

Arduino: 1.8.16 (Mac OS X), Board: "M5Stack-ATOM, Default, 1500000, None"

```
/Applications/Arduino.app/Contents/Java/arduino-builder -dump-prefs -
logger=machine -hardware /Applications/Arduino.app/Contents/Java/hardware -
hardware /Users/petergraham/Library/Arduino15/packages -tools /Applications/
Arduino.app/Contents/Java/tools-builder -tools /Applications/Arduino.app/
Contents/Java/hardware/tools/avr -tools /Users/petergraham/Library/Arduino15/
packages -built-in-libraries /Applications/Arduino.app/Contents/Java/libraries -
libraries /Users/petergraham/Documents/Arduino/libraries -
fqbn=m5stack:esp32:m5stack-
atom:PartitionScheme=default,UploadSpeed=1500000,DebugLevel=none -vid-
pid=0403_6001 -ide-version=10816 -build-path /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972 -warnings=none -
build-cache /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_cache_931113 -prefs=build.warn_data_percentage=75 -
prefs=runtime.tools.mklittlefs.path=/Users/petergraham/Library/Arduino15/
packages/m5stack/tools/mklittlefs/3.0.0-gnu12-dc7f933 -
prefs=runtime.tools.mklittlefs-3.0.0-gnu12-dc7f933.path=/Users/petergraham/
Library/Arduino15/packages/m5stack/tools/mklittlefs/3.0.0-gnu12-dc7f933 -
prefs=runtime.tools.esptool_py.path=/Users/petergraham/Library/Arduino15/
packages/m5stack/tools/esptool_py/3.1.0 -
prefs=runtime.tools.esptool_py-3.1.0.path=/Users/petergraham/Library/
Arduino15/packages/m5stack/tools/esptool_py/3.1.0 -
prefs=runtime.tools.mkspiffs.path=/Users/petergraham/Library/Arduino15/
packages/m5stack/tools/mkspiffs/0.2.3 -prefs=runtime.tools.mkspiffs-0.2.3.path=/
Users/petergraham/Library/Arduino15/packages/m5stack/tools/mkspiffs/0.2.3 -
prefs=runtime.tools.riscv32-esp-elf-gcc.path=/Users/petergraham/Library/
Arduino15/packages/m5stack/tools/riscv32-esp-elf-gcc/gcc8_4_0-esp-2021r2 -
prefs=runtime.tools.riscv32-esp-elf-gcc-gcc8_4_0-esp-2021r2.path=/Users/
petergraham/Library/Arduino15/packages/m5stack/tools/riscv32-esp-elf-gcc/
gcc8_4_0-esp-2021r2 -prefs=runtime.tools.xtensa-esp32-elf-gcc.path=/Users/
petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/
gcc8_4_0-esp-2021r2 -prefs=runtime.tools.xtensa-esp32-elf-gcc-gcc8_4_0-
esp-2021r2.path=/Users/petergraham/Library/Arduino15/packages/m5stack/
tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2 -prefs=runtime.tools.xtensa-
esp32s2-elf-gcc.path=/Users/petergraham/Library/Arduino15/packages/m5stack/
tools/xtensa-esp32s2-elf-gcc/gcc8_4_0-esp-2021r2 -prefs=runtime.tools.xtensa-
esp32s2-elf-gcc-gcc8_4_0-esp-2021r2.path=/Users/petergraham/Library/
Arduino15/packages/m5stack/tools/xtensa-esp32s2-elf-gcc/gcc8_4_0-
esp-2021r2 -verbose /Users/petergraham/Downloads/STAC-1.10/STAC/
STAC.ino
/Applications/Arduino.app/Contents/Java/arduino-builder -compile -
logger=machine -hardware /Applications/Arduino.app/Contents/Java/hardware -
hardware /Users/petergraham/Library/Arduino15/packages -tools /Applications/
Arduino.app/Contents/Java/tools-builder -tools /Applications/Arduino.app/
Contents/Java/hardware/tools/avr -tools /Users/petergraham/Library/Arduino15/
packages -built-in-libraries /Applications/Arduino.app/Contents/Java/libraries -
```

```
libraries /Users/petergraham/Documents/Arduino/libraries -
fqbn=m5stack:esp32:m5stack-
atom:PartitionScheme=default,UploadSpeed=1500000,DebugLevel=none -vid-
pid=0403_6001 -ide-version=10816 -build-path /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972 -warnings=none -
build-cache /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_cache_931113 -prefs=build.warn_data_percentage=75 -
prefs=runtime.tools.mklittlefs.path=/Users/petergraham/Library/Arduino15/
packages/m5stack/tools/mklittlefs/3.0.0-gnu12-dc7f933 -
prefs=runtime.tools.mklittlefs-3.0.0-gnu12-dc7f933.path=/Users/petergraham/
Library/Arduino15/packages/m5stack/tools/mklittlefs/3.0.0-gnu12-dc7f933 -
prefs=runtime.tools.esptool_py.path=/Users/petergraham/Library/Arduino15/
packages/m5stack/tools/esptool_py/3.1.0 -
prefs=runtime.tools.esptool_py-3.1.0.path=/Users/petergraham/Library/
Arduino15/packages/m5stack/tools/esptool_py/3.1.0 -
prefs=runtime.tools.mkspiffs.path=/Users/petergraham/Library/Arduino15/
packages/m5stack/tools/mkspiffs/0.2.3 -prefs=runtime.tools.mkspiffs-0.2.3.path=/
Users/petergraham/Library/Arduino15/packages/m5stack/tools/mkspiffs/0.2.3 -
prefs=runtime.tools.riscv32-esp-elf-gcc.path=/Users/petergraham/Library/
Arduino15/packages/m5stack/tools/riscv32-esp-elf-gcc/gcc8_4_0-esp-2021r2 -
prefs=runtime.tools.riscv32-esp-elf-gcc-gcc8_4_0-esp-2021r2.path=/Users/
petergraham/Library/Arduino15/packages/m5stack/tools/riscv32-esp-elf-gcc/
gcc8_4_0-esp-2021r2 -prefs=runtime.tools.xtensa-esp32-elf-gcc.path=/Users/
petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/
gcc8_4_0-esp-2021r2 -prefs=runtime.tools.xtensa-esp32-elf-gcc-gcc8_4_0-
esp-2021r2.path=/Users/petergraham/Library/Arduino15/packages/m5stack/
tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2 -prefs=runtime.tools.xtensa-
esp32s2-elf-gcc.path=/Users/petergraham/Library/Arduino15/packages/m5stack/
tools/xtensa-esp32s2-elf-gcc/gcc8_4_0-esp-2021r2 -prefs=runtime.tools.xtensa-
esp32s2-elf-gcc-gcc8_4_0-esp-2021r2.path=/Users/petergraham/Library/
Arduino15/packages/m5stack/tools/xtensa-esp32s2-elf-gcc/gcc8_4_0-
esp-2021r2 -verbose /Users/petergraham/Downloads/STAC-1.10/STAC/
STAC.ino
Using board 'm5stack-atom' from platform in folder: /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2
Using core 'esp32' from platform in folder: /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2
bash -c "[ ! -f \"/Users/petergraham/Downloads/STAC-1.10/STAC\"/partitions.csv ]
|| cp -f \"/Users/petergraham/Downloads/STAC-1.10/STAC\"/partitions.csv \"/var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972\"/
partitions.csv"
bash -c "[ -f \"/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972\"/partitions.csv ] || [ ! -f \"/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom\"/
partitions.csv ] || cp \"/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/variants/m5stack_atom\"/partitions.csv \"/var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972\"/partitions.csv"
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bash -c "[ -f \"/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972\"/partitions.csv ] || cp \"/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2\"/tools/partitions/default.csv
\"/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972\"/
partitions.csv"
bash -c "[ -f \"/Users/petergraham/Downloads/STAC-1.10/STAC\"/bootloader.bin ]
&& cp -f \"/Users/petergraham/Downloads/STAC-1.10/STAC\"/bootloader.bin \"/
var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972\"/
STAC.ino.bootloader.bin || ( [ -f \"/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom\"/
bootloader.bin ] && cp \"/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/variants/m5stack_atom\"/bootloader.bin \"/var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972\"/
STAC.ino.bootloader.bin || cp -f \"/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2\"/tools/sdk/esp32/bin/
bootloader_dio_80m.bin \"/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972\"/STAC.ino.bootloader.bin )"
bash -c "[ ! -f \"/Users/petergraham/Downloads/STAC-1.10/STAC\"/build_opt.h ] ||
cp -f \"/Users/petergraham/Downloads/STAC-1.10/STAC\"/build_opt.h \"/var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972\"/
build_opt.h"
bash -c "[ -f \"/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972\"/build_opt.h ] || touch \"/var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972\"/build_opt.h"
Detecting libraries used...
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

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sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/
include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/
api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/


```
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/  
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -  
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /var/folders/dv/
```

```
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/sketch/  
STAC.ino.cpp -o /dev/null  
Alternatives for M5Atom.h: [M5Atom@0.0.1]  
ResolveLibrary(M5Atom.h)  
  -> candidates: [M5Atom@0.0.1]  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"\" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
```

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/  
xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/  
port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/  
include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/  
api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/

```
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/sketch/
STAC.ino.cpp -o /dev/null
```

Alternatives for Wire.h: [Wire@2.0.0]

ResolveLibrary(Wire.h)

-> candidates: [Wire@2.0.0]

```
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
```

```
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src /
var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
sketch/STAC.ino.cpp -o /dev/null
Alternatives for FastLED.h: [FastLED@3.5.0]
ResolveLibrary(FastLED.h)
-> candidates: [FastLED@3.5.0]
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" "-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" "-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```


include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/

api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
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dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

```
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-  
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src /var/folders/dv/  
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/sketch/  
STAC.ino.cpp -o /dev/null  
Alternatives for WiFi.h: [WiFi@1.2.7 WiFi@2.0.0]  
ResolveLibrary(WiFi.h)  
-> candidates: [WiFi@1.2.7 WiFi@2.0.0]  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
```

```
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
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esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
```

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
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esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
```

```
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\""-  
DARDUINO_VARIANT="m5stack_atom"-DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/sketch/STAC.ino.cpp -o /dev/null  
Alternatives for Preferences.h: [Preferences@2.0.0]  
ResolveLibrary(Preferences.h)  
-> candidates: [Preferences@2.0.0]  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\""-  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER="v4.4-beta1-189-ga79dc75f0a"-DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
```

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-

```
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
```

```
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b0000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /var/folders/dv/  
bb5675nn6c3_6y7cchx_x6b0000gn/T/arduino_build_522972/sketch/  
STAC.ino.cpp -o /dev/null  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```


sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/M5Atom.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
```

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

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esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
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libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/Button.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
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freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```


heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
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esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/  
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esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
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app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/  
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nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/  
xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/  
port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/
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api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
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esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
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esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
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esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
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jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
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dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/

```
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
```

```
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/LED_DisPlay.cpp.orig.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
```

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/  
xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/  
port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/  
include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/  
api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/

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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/LED_Display.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/
xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```

include/escoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-

```
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/M5Timer.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
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esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/
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xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/
port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/
include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/

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api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
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esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
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esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
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security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/sdmcc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/


```
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/MPU6886.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
```

```
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
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esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
```

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
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security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
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sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
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dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
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face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
```



```
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\""" -  
DARDUINO_VARIANT="m5stack_atom"" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/  
Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp -o /dev/null  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\""" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER="v4.4-beta1-189-ga79dc75f0a\""" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
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freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/

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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\""-
DARDUINO_VARIANT="m5stack_atom"-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
```

```
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/  
Arduino/libraries/M5Atom/src/utility/MahonyAHRS.cpp -o /dev/null  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```


esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/

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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/


```
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
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sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-
DARDUINO_VARIANT=\"m5stack_atom\" \"-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/Task.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \"-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" \"-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
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public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-

dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-

```
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-  
DARDUINO_VARIANT=\"m5stack_atom\" \"-DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src/Wire.cpp -  
o /dev/null  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \"-  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" \"-DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
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sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
```

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/

```
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
```

```
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/FastLED.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0 @/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/Arduino/libraries/FastLED/src/bitwap.cpp -o /dev/null /Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H -DMBEDTLS_CONFIG_FILE="mbedtls/esp_config.h" -DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE -DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/

```
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
```



```
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT=\"m5stack_atom\" "-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/colorpalettes.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" "-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" "-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
```

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/lib -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/  
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sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -  
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/  
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
```

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/colorutils.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
```

```
DIDF_VER="\v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```


esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/

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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
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DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
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DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
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Arduino/libraries/FastLED/src/hsv2rgb.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
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DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
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freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
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sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -  
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
```

```
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/lib8tion.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```

include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

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wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/

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hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef

```
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/noise.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
```

hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
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esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
```

```
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-  
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/  
Arduino/libraries/FastLED/src/platforms/esp/32/clockless_rmt_esp32.cpp -o /dev/  
null  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
```

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variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
```



```
Arduino/libraries/FastLED/src/platforms.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
```

hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/power_mgt.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/

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packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
```

```
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/wiring.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```


sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/WiFi.cpp -
o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
```

D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/

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esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/
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hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/
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nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/

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tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiAP.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/


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sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -  
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
```

```
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiClient.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE -
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
```

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-


```
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiGeneric.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
```


Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-

dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-

```
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -  
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-  
DARDUINO_VARIANT=\"m5stack_atom\" \"-DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/  
WiFiMulti.cpp -o /dev/null  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \"-  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" \"-DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
```

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

```
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
```

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/

```
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/usb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
```

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libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/  
WiFiSTA.cpp -o /dev/null  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

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sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

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sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiScan.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```

esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/
xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```

include/escoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-

```
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiServer.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
```

tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/

include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/
api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
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esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
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esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
```



```
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -Wlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiUdp.cpp -o /dev/null
```

```
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
```

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
```

```
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/
Preferences.cpp -o /dev/null
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```


hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
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protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
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wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
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DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/
Preferences.cpp.orig.cpp -o /dev/null
Generating function prototypes...
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
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sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
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tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
```

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -c -w -x c++ -E -CC -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/sketch/
STAC.ino.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/preproc/ctags_target_for_gcc_minus_e.cpp
/Applications/Arduino.app/Contents/Java/tools-builder/ctags/5.8-arduino11/ctags
-u --language-force=c++ -f - --c++-kinds=svpf --fields=KSTzns --line-directives /
```

```
var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
preproc/ctags_target_for_gcc_minus_e.cpp
Compiling sketch...
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -  
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /var/folders/dv/  
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/sketch/  
STAC.ino.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/sketch/STAC.ino.cpp.o  
In file included from /Users/petergraham/Documents/Arduino/libraries/FastLED/  
src/FastLED.h:67,  
      from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/  
M5Atom.h:53,  
      from /Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino:31:  
/Users/petergraham/Documents/Arduino/libraries/FastLED/src/fastspi.h:145:23:  
note: #pragma message: No hardware SPI pins defined. All SPI access will  
default to bitbanged output  
# pragma message "No hardware SPI pins defined. All SPI access will  
default to bitbanged output"
```

```
^~~~~~  
~~~~~
```

/Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino: In function 'void setup()':

/Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino:1094:92: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
 pmBright = updateBrightness(pmPrefs, "PModePrefs",
 "pmbrightness", pmBright);

^

/Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino:1094:92: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
/Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino:1413:106: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
 currentBrightness = updateBrightness(stcPrefs, "STCPrefs",
 "curBright", currentBrightness);

^

/Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino:1413:106: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
/Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino: In function 'void loop()':

/Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino:1438:98: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
 currentBrightness = updateBrightness(stcPrefs, "STCPrefs", "curBright",
 currentBrightness);

^

/Users/petergraham/Downloads/STAC-1.10/STAC/STAC.ino:1438:98: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
Compiling libraries...

Compiling library "M5Atom"

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
```

```
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/M5Atom.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
M5Atom.cpp.o
```

```
In file included from /Users/petergraham/Documents/Arduino/libraries/FastLED/
src/FastLED.h:67,
```

```
    from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/
M5Atom.h:53,
```

```
    from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/
M5Atom.cpp:4:
```

```
/Users/petergraham/Documents/Arduino/libraries/FastLED/src/fastspi.h:145:23:
```

```
note: #pragma message: No hardware SPI pins defined. All SPI access will
default to bitbanged output
```

```
# pragma message "No hardware SPI pins defined. All SPI access will
default to bitbanged output"
```

```
^~~~~~
~~~~~
```

```
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/
include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/
api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/

```
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/  
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -  
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
```

```
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/M5Timer.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b0000gn/T/arduino_build_522972/libraries/M5Atom/
utility/M5Timer.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```

esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
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esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/


```
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/LED_Display.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
```

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/

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public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

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```
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/Button.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/Button.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
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freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
```


Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/

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jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
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sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

```
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -Wlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
```

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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/LED_Display.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/LED_Display.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
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include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
```

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
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sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
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public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-


```
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/MPU6886.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/MPU6886.cpp.o
In file included from /Users/petergraham/Documents/Arduino/libraries/FastLED/
src/FastLED.h:67,
      from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/
utility/LED_Display.h:4,
      from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/
utility/LED_Display.cpp:1:
/Users/petergraham/Documents/Arduino/libraries/FastLED/src/fastspi.h:145:23:
note: #pragma message: No hardware SPI pins defined. All SPI access will
```

```
default to bitbanged output
# pragma message "No hardware SPI pins defined. All SPI access will
default to bitbanged output"
```

```
^~~~~~
~~~~~
```

```
In file included from /Users/petergraham/Documents/Arduino/libraries/FastLED/
src/FastLED.h:67,
```

```
    from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/
utility/LED_Display.h:4,
```

```
    from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/
utility/LED_Display.cpp.orig.cpp:1:
```

```
/Users/petergraham/Documents/Arduino/libraries/FastLED/src/fastspi.h:145:23:
```

```
note: #pragma message: No hardware SPI pins defined. All SPI access will
default to bitbanged output
```

```
# pragma message "No hardware SPI pins defined. All SPI access will
default to bitbanged output"
```

```
^~~~~~
~~~~~
```

```
In file included from /Users/petergraham/Documents/Arduino/libraries/FastLED/
src/controller.h:9,
```

```
    from /Users/petergraham/Documents/Arduino/libraries/FastLED/src/
FastLED.h:49,
```

```
    from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/
utility/LED_Display.h:4,
```

```
    from /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/
utility/LED_Display.cpp.orig.cpp:1:
```

```
/Users/petergraham/Documents/Arduino/libraries/FastLED/src/pixeltypes.h: In
member function 'virtual void LED_Display::run(void*)':
```

```
/Users/petergraham/Documents/Arduino/libraries/FastLED/src/pixeltypes.h:
163:11: warning: iteration 25 invokes undefined behavior [-Waggressive-loop-
optimizations]
```

```
    r = (colorcode >> 16) & 0xFF;
```

```
~~~~~
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/
LED_Display.cpp.orig.cpp:19:27: note: within this loop
```

```
    for (int num = 0; num < 26; num++)
```

```
~~~~~
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

```
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-
DARDUINO_VARIANT=\"m5stack_atom\" \"-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/MPU6886.cpp.orig.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \"-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" \"-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
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hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/

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protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/

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security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/

jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
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dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
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windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
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dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/

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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
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modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
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common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
```

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Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/MahonyAHRS.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/MahonyAHRS.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/M5Atom/src/utility/Task.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/Task.cpp.o
Compiling library "Wire"
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/

public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
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```
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src/Wire.cpp -
o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
libraries/Wire/Wire.cpp.o
Compiling library "FastLED"
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \"-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
```

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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/escoredump/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include/
port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
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esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
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sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

```
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -Wlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
```

```
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/bitswap.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
bitswap.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE -
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
```


Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
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public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-


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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/colorpalettes.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
colorpalettes.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/

public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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```
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/colorutils.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
colorutils.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
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esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
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sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/
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xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/
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include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/
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port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/
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api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
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protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
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sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/

```
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
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modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
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common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
```

```
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/FastLED.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
FastLED.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```

include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

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xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

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wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef

```
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/hsv2rgb.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
hsv2rgb.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
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include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
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esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
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sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
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esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/

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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/

security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp8266/esp8266/esp8266/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp8266/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

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tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
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common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
```

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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/noise.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
noise.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
```


m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/

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esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/
include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/
api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
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tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/

windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
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modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

```
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/platforms.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
platforms.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/

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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
```

variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT=\"m5stack_atom\" "-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/power_mgt.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
power_mgt.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" "-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" "-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/

```
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
```

```
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/wiring.cpp -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
wiring.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
```

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/
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sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/
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app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/

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hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/

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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
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face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Documents/
Arduino/libraries/FastLED/src/platforms/esp32/clockless_rmt_esp32.cpp -o /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
libraries/FastLED/platforms/esp32/clockless_rmt_esp32.cpp.o
Compiling library "WiFi"
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/

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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/  
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include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/  
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
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common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
```


variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-
DARDUINO_VARIANT=\"m5stack_atom\" \"-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiGeneric.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiGeneric.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \"-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" \"-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/

Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/

```
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
```

```
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiAP.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiAP.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
```


petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/  
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app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/  
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nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
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include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/

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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
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face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
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libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiClient.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiClient.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
```

hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
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```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
```

```
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-  
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/  
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/  
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/WiFi.cpp -  
o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
libraries/WiFi/WiFi.cpp.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
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sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```


sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/

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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
```

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hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiMulti.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiMulti.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

```
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiSTA.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiSTA.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
```

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esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-


```
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" " -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiScan.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiScan.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" " -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" " -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
```

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/ Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/ tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/ Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/ m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/ arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/ Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/ esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/ Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/ include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/ m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/ Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/ hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/ packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/ include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/ Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/ include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/ m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/ public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/ hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/ packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/ include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/ Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/ hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/ packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include - I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/ Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/ include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/ hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/

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sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
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tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
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sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
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dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
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windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/

```
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
```

```
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi/src/
WiFiServer.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiServer.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
```


Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Compiling library "Preferences"
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
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esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-

```
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" " -
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/
Preferences.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" " -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" " -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
```

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/ Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/ tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/ Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/ m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/ arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/ Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/ esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/ Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/ include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/ m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/ Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/ hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/ packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/ include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/ Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/ include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/ m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/ public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/ hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/ packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/ include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/ Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/ hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/ packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include - I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/ esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/ Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/ include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/ hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/ petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/ sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/

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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
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wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
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sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
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mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
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hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/

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esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
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dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
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windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
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dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/

```
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom -I/Users/
petergraham/Documents/Arduino/libraries/M5Atom/src -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire/src -I/
Users/petergraham/Documents/Arduino/libraries/FastLED/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/WiFi/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/libraries/Preferences/src /Users/petergraham/Library/
```

```
Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/  
Preferences.cpp.orig.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/  
T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o  
Compiling core...  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"\" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
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lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/  
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

```
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-bt.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/esp32-hal-bt.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
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sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-  
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
```



```
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/  
esp32/esp32-hal-dac.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/core/esp32-hal-dac.c.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```

include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef

```
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-adc.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/esp32-hal-adc.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/
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app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/
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port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -

I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
l/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -l/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -l/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -l/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -l/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -l/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -l/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -l/Users/petergraham/Library/
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esp_rainmaker/include -l/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -l/Users/petergraham/Library/Arduino15/
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-l/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -l/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -l/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -l/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -l/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-l/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -l/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -l/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -l/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -l/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -l/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -l/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -l/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -l/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -l/Users/petergraham/

```
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
```

```
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT=\"m5stack_atom\" "-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-cpu.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/esp32-hal-cpu.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" "-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" "-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
```

esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-gpio.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/esp32-hal-gpio.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE="mbedtls/esp_config.h" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
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freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/

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sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/
xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/

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esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-

```
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-
DARDUINO_VARIANT=\"m5stack_atom\" \"-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-i2c-slave.c -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-
i2c-slave.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \"-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" \"-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
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freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
```

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
```

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
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sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
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modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-i2c.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/esp32-hal-i2c.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/

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sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-DARDUINO_VARIANT=\"m5stack_atom\" \"-DARDUINO_PARTITION_default -DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0 @/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/esp32/esp32-hal-ledc.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-ledc.c.o /Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \" -DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" \" -DESP_PLATFORM -D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/

include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
```



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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -Wlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-matrix.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/esp32-hal-matrix.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE="mbedtls/esp_config.h" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -
```

D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/

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sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/

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tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-  
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/  
esp32/esp32-hal-misc.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/  
T/arduino_build_522972/core/esp32-hal-misc.c.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```


sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/

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sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\""-
DARDUINO_VARIANT="m5stack_atom"-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-psram.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/esp32-hal-psram.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
```

```
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
```

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
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esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
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wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
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idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
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sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
```

```
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\""" -  
DARDUINO_VARIANT="m5stack_atom"" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/  
esp32/esp32-hal-rmt.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/core/esp32-hal-rmt.c.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\""" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER="v4.4-beta1-189-ga79dc75f0a\""" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/

```
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-sigmadelat.c -o /var/folders/dv/
```



```
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-  
sigmadelta.c.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/mbedtls/esp crt bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
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security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include

-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
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sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
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sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-

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face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-spi.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/esp32-hal-spi.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```

esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
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sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/  
esp32/esp32-hal-time.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/core/esp32-hal-time.c.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/
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sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/
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app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/
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port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```


unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
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esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/

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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
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face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-timer.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/esp32-hal-timer.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
```

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DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
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build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-tinyusb.c -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-
tinyusb.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
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sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
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freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmcc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/


```
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -Wlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-touch.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/esp32-hal-touch.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```

esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/
xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```

include/escoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-

```
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/esp32-hal-uart.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/esp32-hal-uart.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```


sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/firmware_msc_fat.c -o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
firmware_msc_fat.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/sdmcc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/


```
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/wiring_pulse.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/wiring_pulse.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
```

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmcc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/

Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/


```
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/  
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/  
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
```

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esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/wiring_shift.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/wiring_shift.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/libb64/cdecode.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/libb64/cdecode.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-gcc -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
```



```
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
```

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -  
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/  
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transports -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
```

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/


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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu99 -Wno-old-style-declaration -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/libb64/cencode.c -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/libb64/cencode.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
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esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/

security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp8266/include/esp8266/esp8266/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp8266/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

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tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/FirmwareMSC.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/FirmwareMSC.cpp.o
```

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/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
```

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
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dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
```

```
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/Esp.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/Esp.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER="v4.4-beta1-189-ga79dc75f0a" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/
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include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
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packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
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esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
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esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/

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sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
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modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/  
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -  
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
```

```
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/  
esp32/FunctionalInterrupt.cpp -o /var/folders/dv/  
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/  
FunctionalInterrupt.cpp.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\""" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\""" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/

hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/  
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```



```
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/HWCDC.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/HWCDC.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
```

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-

```
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/  
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/  
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/  
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef  
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -  
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-  
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
```

```
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/  
esp32/HardwareSerial.cpp -o /var/folders/dv/  
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/  
HardwareSerial.cpp.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE -  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/  
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/  
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/  
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/  
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
```


Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
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jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
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esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-


```
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/IPAddress.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/IPAddress.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -f reorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
```

```
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/IPv6Address.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/IPv6Address.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

```
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/MD5Builder.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/MD5Builder.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
```

hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
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lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
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include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/
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xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/escoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/

mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
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jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
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sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
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esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
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dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
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sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/


```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
```

```
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" "-  
DARDUINO_VARIANT=\"m5stack_atom\" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/  
esp32/Print.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/core/Print.cpp.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
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heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
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include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/  
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/  
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
```

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
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esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/
public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/
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sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp crt_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

```
esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```

include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp8266/esp8266/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp8266/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/

packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/

```
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/Stream.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/Stream.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```


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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

```
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\" \"-
DARDUINO_VARIANT=\"m5stack_atom\" \"-DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/StreamString.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/core/StreamString.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" \"-
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" \"-DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
```

tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/

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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
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jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
```



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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -Wlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 -DARDUINO_BOARD="M5Stack_ATOM" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/USB.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/USB.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE="mbedtls/esp_config.h"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER="v4.4-beta1-189-ga79dc75f0a\ "" -DESP_PLATFORM -
```

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tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" -
DARDUINO_VARIANT="m5stack_atom" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/USBCDC.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/USBCDC.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
```


sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/

petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cmock/CMock/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/coap/libcoap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/

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sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/USBMSC.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/USBMSC.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
```

```
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/
```

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
```



```
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-  
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/  
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-  
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-  
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-  
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-  
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-  
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -  
DF_CPU=240000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -  
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\""" -  
DARDUINO_VARIANT="m5stack_atom"" -DARDUINO_PARTITION_default -  
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0  
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/  
esp32/WMath.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/core/WMath.cpp.o  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-  
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\""" -  
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-  
DIDF_VER="v4.4-beta1-189-ga79dc75f0a\""" -DESP_PLATFORM -  
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/  
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/  
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/  
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/  
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/  
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/  
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/  
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/  
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/  
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/  
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
```

heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/sntp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/
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public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/

```
include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/
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include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/
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xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/
```

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
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protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/

m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/

```
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/WString.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
```

```
arduino_build_522972/core/WString.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
```


hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/

Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/
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sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/
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nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/
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xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/
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include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/
port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/
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api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/
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unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/
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sdk/esp32/include/coap/port/include -I/Users/petergraham/Library/Arduino15/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include/nghttp/nghttp2/lib/includes -I/Users/petergraham/Library/Arduino15/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
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I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/
security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/transport -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/

sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
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dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
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common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/base64.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/base64.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -

I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/

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tools/sdk/esp32/include/esp-tls/esp-tls-crypto -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_adc_cal/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hid/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/tcp_transport/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_http_client/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_http_server/include -
I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_https_ota/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp_lcd/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_lcd/interface -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

tools/sdk/esp32/include/protobuf-c/protobuf-c -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/common -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/security -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/protocomm/include/ transports -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mdns/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_local_ctrl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/sdmmc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_serial_slave_link/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_websocket_client/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/expat/expat/lib -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/expat/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wear_levelling/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/diskio -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/vfs -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/fatfs/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/freemodbus/common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/idf_test/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json/cJSON -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/libsodium/src/libsodium/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/libsodium/port_include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mqtt/esp-mqtt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/openssl/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/perfmon/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spiffs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ulp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wifi_provisioning/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/button/button/include -I/

Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/json_parser -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/json_parser/
jsmn/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/json_generator -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_schedule/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_rainmaker/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/qrcode/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/ws2812_led -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/src
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_littlefs/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dotprod/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
windows/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/hann/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
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sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/add/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/math/sub/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/

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m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
sqrt/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/matrix/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/
modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/
common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-face/include/detect -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
```

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packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/cbuf.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/cbuf.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -DHAVE_CONFIG_H "-
DMBEDTLS_CONFIG_FILE=\"mbedtls/esp_config.h\"" -
DUNITY_INCLUDE_CONFIG_H -DWITH_POSIX -D_GNU_SOURCE "-
DIDF_VER=\"v4.4-beta1-189-ga79dc75f0a\"" -DESP_PLATFORM -
D_POSIX_READER_WRITER_LOCKS -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/config -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/newlib/platform_include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
freertos/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/freertos/include/esp_additions/
freertos -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/freertos/port/xtensa/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/freertos/include/esp_additions -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
esp_hw_support/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/
soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp_hw_support/include/soc/esp32 -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp_hw_support/port/esp32 -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
heap/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/log/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/lwip/include/apps -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/include/apps/snmp -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/lwip/lwip/src/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/
lwip/port/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/lwip/port/esp32/include/
arch -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/soc/
esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/soc/esp32/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/hal/esp32/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/hal/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

sdk/esp32/include/hal/platform_port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/include/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_rom/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/soc -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_system/port/public_compat -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/xtensa/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/driver/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_pm/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ringbuf/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/efuse/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/vfs/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_wifi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_event/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_netif/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_eth/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/tcpip_adapter/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_phy/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_ipc/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_trace/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_timer/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/

esp32/2.0.2/tools/sdk/esp32/include/mbedtls/mbedtls/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/mbedtls/esp_cert_bundle/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/app_update/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/spi_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bootloader_support/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/nvs_flash/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/pthread/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp_gdbstub/esp32 -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/espcoredump/include/port/xtensa -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/wpa_supplicant/esp_supplicant/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/ieee802154/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/console -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/asio/asio/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/asio/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/osi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/include/esp32/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/blufi/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/common/btc/profile/esp/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/bt/host/bluedroid/api/include/api -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/cbor/port/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/unity/unity/src -I/Users/petergraham/Library/Arduino15/packages/m5stack/

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include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman/include
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_harris/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/blackman_nuttall/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/windows/nuttall/include -I/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/include/esp-dsp/modules/windows/flat_top/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/esp-dsp/modules/iir/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/fir/include -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/math/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
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petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
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include/esp-dsp/modules/math/mul/include -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
dsp/modules/math/addc/include -I/Users/petergraham/Library/Arduino15/
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modules/math/mulc/include -I/Users/petergraham/Library/Arduino15/packages/
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tools/sdk/esp32/include/esp-dsp/modules/fft/include -I/Users/petergraham/
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include/esp-dsp/modules/dct/include -I/Users/petergraham/Library/Arduino15/
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modules/conv/include -I/Users/petergraham/Library/Arduino15/packages/
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common/include -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-dsp/modules/kalman/ekf_imu13states/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include -I/Users/petergraham/
Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/
include/esp-face/include/tool -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/typedef
-I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/image -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
```

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sdk/esp32/include/esp-face/include/math -I/Users/petergraham/Library/
Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-
face/include/nn -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/include/esp-face/include/layer -I/Users/
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face/include/model_zoo -I/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/driver/
include -I/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/
esp32/2.0.2/tools/sdk/esp32/include/esp32-camera/conversions/include -I/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/tools/
sdk/esp32/include/fb_gfx/include -mlongcalls -Wno-frame-address -ffunction-
sections -fdata-sections -Wno-error=unused-function -Wno-error=unused-
variable -Wno-error=deprecated-declarations -Wno-unused-parameter -Wno-
sign-compare -ggdb -Os -freorder-blocks -Wwrite-strings -fstack-protector -fstrict-
volatile-bitfields -Wno-error=unused-but-set-variable -fno-jump-tables -fno-tree-
switch-conversion -std=gnu++11 -fexceptions -fno-rtti -MMD -c -
DF_CPU=24000000L -DARDUINO=10816 -DARDUINO_M5Stack_ATOM -
DARDUINO_ARCH_ESP32 "-DARDUINO_BOARD=\"M5Stack_ATOM\"" "-
DARDUINO_VARIANT=\"m5stack_atom\"" -DARDUINO_PARTITION_default -
DESP32 -DCORE_DEBUG_LEVEL=0 -DARDUINO_USB_CDC_ON_BOOT=0
@/var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
build_opt.h -I/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/cores/esp32 -I/Users/petergraham/Library/Arduino15/
packages/m5stack/hardware/esp32/2.0.2/variants/m5stack_atom /Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/cores/
esp32/main.cpp -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/core/main.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-adc.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-bt.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-cpu.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
```

folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-dac.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-gpio.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-i2c-slave.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-i2c.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-ledc.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-matrix.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-misc.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-psram.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-rmt.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
esp32-hal-sigmadelata.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-spi.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-time.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-timer.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-tinyusb.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-touch.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/esp32-hal-uart.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/firmware_msc_fat.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/libb64/cdecode.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/libb64/cencode.c.o

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/

bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
stdlib_noniso.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
wiring_pulse.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
wiring_shift.c.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
Esp.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
FirmwareMSC.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
FunctionalInterrupt.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
HWCDC.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
HardwareSerial.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
IPAddress.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/

IPv6Address.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/MD5Builder.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/Print.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/Stream.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/StreamString.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/USB.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/USBCDC.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/USBMSC.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/WMath.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/WString.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-

```
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
base64.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
cbuf.cpp.o
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-ar cr /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/
main.cpp.o
Archiving built core (caching) in: /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_cache_931113/core/
core_8c013908470ecd23de1862351cd01dfd.a
Linking everything together...
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/xtensa-esp32-elf-g++ -Wl,--Map=/var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/STAC.ino.map -L/
Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
tools/sdk/esp32/lib -L/Users/petergraham/Library/Arduino15/packages/m5stack/
hardware/esp32/2.0.2/tools/sdk/esp32/ld -T esp32.rom.redefined.ld -T memory.ld
-T sections.ld -T esp32.rom.ld -T esp32.rom.api.ld -T esp32.rom.libgcc.ld -T
esp32.rom.newlib-data.ld -T esp32.rom.syscalls.ld -T esp32.peripherals.ld -
mlongcalls -Wno-frame-address -Wl,--cref -Wl,--gc-sections -fno-rtti -fno-lto -u
ld_include_hli_vectors_bt -u _Z5setupv -u _Z4loopv -u esp_app_desc -u
pthread_include_pthread_impl -u pthread_include_pthread_cond_impl -u
pthread_include_pthread_local_storage_impl -u
pthread_include_pthread_rwlock_impl -u ld_include_highhint_hdl -u start_app -u
start_app_other_cores -u __ubsan_include -Wl,--wrap=longjmp -u __assert_func
-u vfs_include_syscalls_impl -Wl,--undefined=uxTopUsedPriority -u app_main -u
newlib_include_heap_impl -u newlib_include_syscalls_impl -u
newlib_include_pthread_impl -u newlib_include_assert_impl -u
__cxa_guard_dummy -DESP32 -DCORE_DEBUG_LEVEL=0 -
DARDUINO_USB_CDC_ON_BOOT=0 -Wl,--start-group /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/sketch/
STAC.ino.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/M5Atom/M5Atom.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/Button.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
libraries/M5Atom/utility/LED_Display.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/M5Timer.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
```


arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/MPU6886.cpp.orig.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/MahonyAHRS.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/M5Atom/utility/Task.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Wire/
Wire.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/FastLED/FastLED.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
bitswap.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/FastLED/colorpalettes.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
colorutils.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/FastLED/hsv2rgb.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
lib8tion.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/FastLED/noise.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
platforms.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/FastLED/power_mgt.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/FastLED/
wiring.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/FastLED/platforms/esp/32/
clockless_rmt_esp32.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/
T/arduino_build_522972/libraries/WiFi/WiFi.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/WiFi/
WiFiAP.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiClient.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/WiFi/
WiFiGeneric.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiMulti.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/WiFi/
WiFiSTA.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiScan.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/WiFi/
WiFiServer.cpp.o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/WiFi/WiFiUdp.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.orig.cpp.o /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/core/core.a -
lesp_ringbuf -lefuse -lesp_ipc -ldriver -lesp_pm -lMBEDTLS -lapp_update -
lbootloader_support -lspl_flash -lnvs_flash -lpthread -lesp_gdbstub -
lespcoredump -lesp_phy -lesp_system -lesp_rom -lhal -lvfs -lesp_eth -
ltcpip_adapter -lesp_netif -lesp_event -lwpa_supplicant -lesp_wifi -lconsole -llwip

-llog -lheap -lsoc -lesp_hw_support -lxtensa -lesp_common -lesp_timer -lfreertos -lnewlib -lcxx -lapp_trace -lasio -lbt -lcbor -lunity -lcmock -lcoap -lnchttp -lesp-tls -lesp_adc_cal -lesp_hid -ltcp_transport -lesp_http_client -lesp_http_server -lesp_https_ota -lesp_lcd -lprotobuf-c -lprotocomm -lmdns -lesp_local_ctrl -lsdmmc -lesp_serial_slave_link -lesp_websocket_client -lexpat -lwear_levelling -lfatfs -lfreemodbus -ljsmn -ljson -llibsodium -lmqtt -lopenssl -lperfmon -lspiiffs -lulp -lwifi_provisioning -lbutton -ljson_parser -ljson_generator -lesp_schedule -lesp_rainmaker -lqrcode -lws2812_led -lesp-dsp -lesp32-camera -lesp_littlefs -lfb_gfx -lasio -lcbor -lcmock -lunity -lcoap -lesp_lcd -lesp_local_ctrl -lesp_websocket_client -lexpat -lfreemodbus -ljsmn -llibsodium -lperfmon -lesp_adc_cal -lesp_hid -lfatfs -lwear_levelling -lopenssl -lspiiffs -lesp_rainmaker -lmqtt -lwifi_provisioning -lprotocomm -lbt -lbtadm_app -lprotobuf-c -lmdns -ljson -ljson_parser -ljson_generator -lesp_schedule -lqrcode -lcat_face_detect -lhuman_face_detect -lcolor_detect -lfn -ldl -lesp_ringbuf -lefuse -lesp_ipc -ldriver -lesp_pm -lmbdrtls -lapp_update -lbootloader_support -lspi_flash -lnvs_flash -lpthread -lesp_gdbstub -lespcoredump -lesp_phy -lesp_system -lesp_rom -lhal -lvfs -lesp_eth -ltcpip_adapter -lesp_netif -lesp_event -lwpa_suppllicant -lesp_wifi -lconsole -llwip -llog -lheap -lsoc -lesp_hw_support -lxtensa -lesp_common -lesp_timer -lfreertos -lnewlib -lcxx -lapp_trace -lnchttp -lesp-tls -ltcp_transport -lesp_http_client -lesp_http_server -lesp_https_ota -lsdmmc -lesp_serial_slave_link -lulp -lmbdrtls -lmbdrcrypto -lmbdx509 -lcoexist -lcore -lespnow -lmesh -lnet80211 -lpp -lsmartconfig -lwapi -lesp_ringbuf -lefuse -lesp_ipc -ldriver -lesp_pm -lmbdrtls -lapp_update -lbootloader_support -lspi_flash -lnvs_flash -lpthread -lesp_gdbstub -lespcoredump -lesp_phy -lesp_system -lesp_rom -lhal -lvfs -lesp_eth -ltcpip_adapter -lesp_netif -lesp_event -lwpa_suppllicant -lesp_wifi -lconsole -llwip -llog -lheap -lsoc -lesp_hw_support -lxtensa -lesp_common -lesp_timer -lfreertos -lnewlib -lcxx -lapp_trace -lnchttp -lesp-tls -ltcp_transport -lesp_http_client -lesp_http_server -lesp_https_ota -lsdmmc -lesp_serial_slave_link -lulp -lmbdrtls -lmbdrcrypto -lmbdx509 -lcoexist -lcore -lespnow -lmesh -lnet80211 -lpp -lsmartconfig -lwapi -lesp_ringbuf -lefuse -lesp_ipc -ldriver -lesp_pm -lmbdrtls -lapp_update -lbootloader_support -lspi_flash -lnvs_flash -lpthread -lesp_gdbstub -lespcoredump -lesp_phy -lesp_system -lesp_rom -lhal -lvfs -lesp_eth -ltcpip_adapter -lesp_netif -lesp_event -lwpa_suppllicant -lesp_wifi -lconsole -llwip -llog -lheap -lsoc -lesp_hw_support -lxtensa -lesp_common -lesp_timer -lfreertos -lnewlib -lcxx -lapp_trace -lnchttp -lesp-tls -ltcp_transport -lesp_http_client -lesp_http_server -lesp_https_ota -lsdmmc -lesp_serial_slave_link -lulp -lmbdrtls -lmbdrcrypto -lmbdx509 -lcoexist -lcore -lespnow -lmesh -lnet80211 -lpp -lsmartconfig -lwapi -lesp_ringbuf -lefuse -lesp_ipc -ldriver -lesp_pm -lmbdrtls -

```
lapp_update -lbootloader_support -lspi_flash -lnvs_flash -lpthread -lesp_gdbstub
-lespcoredump -lesp_phy -lesp_system -lesp_rom -lhal -lvfs -lesp_eth -
ltcpip_adapter -lesp_netif -lesp_event -lwpa_supplicant -lesp_wifi -lconsole -llwip
-llog -lheap -lsoc -lesp_hw_support -lxtensa -lesp_common -lesp_timer -lfreertos
-lnewlib -lcxx -lapp_trace -lmghttp -lesp-tls -ltcp_transport -lesp_http_client -
lesp_http_server -lesp_https_ota -lsdmmc -lesp_serial_slave_link -lulp -lMBEDTLS
-lMBEDCRYPTO -lMBEDX509 -lCOEXIST -lCORE -lespnow -lMESH -lINET80211 -lPP -
lSMARTCONFIG -lwapi -lPHY -lRTC -lesp_phy -lPHY -lRTC -lesp_phy -lPHY -lRTC -lXT_HAL -lM
-lnewlib -lstdc++ -lpthread -lgcc -lcxx -lapp_trace -lgcov -lapp_trace -lgcov -lc -
WI,--end-group -WI,-EL -o /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/STAC.ino.elf
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function
`LED_Display::~LED_Display()':
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/
LED_Display.cpp:10: multiple definition of `LED_Display::~LED_Display()'; /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o:/Users/petergraham/
Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:10:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function
`LED_Display::~LED_Display()':
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/
LED_Display.cpp:10: multiple definition of `LED_Display::~LED_Display()'; /var/
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/
libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o:/Users/petergraham/
Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:10:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function
`LED_Display::animation(unsigned char*, unsigned char, unsigned char, long
long)':
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/
LED_Display.cpp:77: multiple definition of `LED_Display::animation(unsigned
char*, unsigned char, unsigned char, long long)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/
utility/LED_Display.cpp.orig.cpp.o:/Users/petergraham/Documents/Arduino/
libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:77: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
```

esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function `LED_Display::displaybuff(unsigned char*, signed char, signed char)': /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp:93: multiple definition of `LED_Display::displaybuff(unsigned char*, signed char, signed char)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o: /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:93: first defined here
Multiple libraries were found for "WiFi.h"
Used: /Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi
Not used: /Applications/Arduino.app/Contents/Java/libraries/WiFi /Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function `LED_Display::run(void*)': /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp:16: multiple definition of `LED_Display::run(void*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o: /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:16: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function `LED_Display::setBrightness(unsigned char)': /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp:118: multiple definition of `LED_Display::setBrightness(unsigned char)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o: /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:118: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function `LED_Display::drawpix(unsigned char, unsigned char, CRGB)': /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp:125: multiple definition of `LED_Display::drawpix(unsigned char, unsigned char, CRGB)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o: /Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:125: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-

```
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function `LED_Display::drawpix(unsigned char, CRGB)':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp:136: multiple definition of `LED_Display::drawpix(unsigned char, CRGB)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:136: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function `LED_Display::clear()':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp:159: multiple definition of `LED_Display::clear()'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:147: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function `LED_Display::LED_Display(unsigned char)':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp:3: multiple definition of `LED_Display::LED_Display(unsigned char)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:3: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.o: in function `LED_Display::LED_Display(unsigned char)':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp:3: multiple definition of `LED_Display::LED_Display(unsigned char)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/LED_Display.cpp.orig.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/LED_Display.cpp.orig.cpp:3: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in
```

```
function `MPU6886::MPU6886()':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/  
MPU6886.cpp.orig.cpp:5: multiple definition of `MPU6886::MPU6886()'; /var/  
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/  
libraries/M5Atom/src/utility/MPU6886.cpp:5: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-  
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in  
function `MPU6886::MPU6886()':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/  
MPU6886.cpp.orig.cpp:5: multiple definition of `MPU6886::MPU6886()'; /var/  
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/  
libraries/M5Atom/src/utility/MPU6886.cpp:5: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-  
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in  
function `MPU6886::getGres()':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/  
MPU6886.cpp.orig.cpp:150: multiple definition of `MPU6886::getGres()'; /var/  
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/  
libraries/M5Atom/src/utility/MPU6886.cpp:149: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-  
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in  
function `MPU6886::getAres()':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/  
MPU6886.cpp.orig.cpp:172: multiple definition of `MPU6886::getAres()'; /var/  
folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/  
libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/  
libraries/M5Atom/src/utility/MPU6886.cpp:171: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-  
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-  
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in  
function `MPU6886::I2C_Write_NBytes(unsigned char, unsigned char, unsigned  
char, unsigned char)':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/  
MPU6886.cpp.orig.cpp:23: multiple definition of  
`MPU6886::I2C_Write_NBytes(unsigned char, unsigned char, unsigned char,  
unsigned char)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/  
arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/
```

petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:23:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/./././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::SetAccelFsr(MPU6886::Ascale)':
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:207: multiple definition of
`MPU6886::SetAccelFsr(MPU6886::Ascale)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:206: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/./././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::SetGyroFsr(MPU6886::Gscale)':
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:195: multiple definition of
`MPU6886::SetGyroFsr(MPU6886::Gscale)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:194: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/./././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::I2C_Read_NBytes(unsigned char, unsigned char, unsigned char, unsigned char)':
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:9: multiple definition of
`MPU6886::I2C_Read_NBytes(unsigned char, unsigned char, unsigned char, unsigned char)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:9: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/./././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::Init()':
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:31: multiple definition of `MPU6886::Init()'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:31: first defined here

```
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::getAccelAdc(short*, short*, short*)':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:100: multiple definition of `MPU6886::getAccelAdc(short*, short*, short*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:99: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::getAccelData(float*, float*, float*)':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:220: multiple definition of `MPU6886::getAccelData(float*, float*, float*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:219: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::getGyroAdc(short*, short*, short*)':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:110: multiple definition of `MPU6886::getGyroAdc(short*, short*, short*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:109: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::getGyroData(float*, float*, float*)':  
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:235: multiple definition of `MPU6886::getGyroData(float*, float*, float*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:234: first defined here  
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
```


arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::getAhrsData(float*, float*, float*):
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:132: multiple definition of `MPU6886::getAhrsData(float*, float*, float*); /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:131: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::getTempAdc(short*):
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:121: multiple definition of `MPU6886::getTempAdc(short*); /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:120: first defined here
Using library M5Atom at version 0.0.1 in folder: /Users/petergraham/Documents/Arduino/libraries/M5Atom
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.orig.cpp.o: in function `MPU6886::getTempData(float*):
Using library Wire at version 2.0.0 in folder: /Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Wire
Using library FastLED at version 3.5.0 in folder: /Users/petergraham/Documents/Arduino/libraries/FastLED
Using library WiFi at version 2.0.0 in folder: /Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/WiFi
Using library Preferences at version 2.0.0 in folder: /Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences
/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp.orig.cpp:246: multiple definition of `MPU6886::getTempData(float*); /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/M5Atom/utility/MPU6886.cpp.o:/Users/petergraham/Documents/Arduino/libraries/M5Atom/src/utility/MPU6886.cpp:245: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::Preferences():
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:23: multiple definition of

```
`Preferences::Preferences()'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:29: first
defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::Preferences()':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:23: multiple definition of
`Preferences::Preferences()'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:29: first
defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::begin(char const*, bool, char const*)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:33: multiple definition of
`Preferences::begin(char const*, bool, char const*)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:39: first
defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::end()':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:57: multiple definition of
`Preferences::end()'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp:63: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::~~Preferences()':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:29: multiple definition of
```

```
`Preferences::~~Preferences()'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:35: first
defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::~~Preferences()':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:29: multiple definition of
`Preferences::~~Preferences()'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:35: first
defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::clear()':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:69: multiple definition of
`Preferences::clear()'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp:79: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::remove(char const*)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:90: multiple definition of
`Preferences::remove(char const*)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:101:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putChar(char const*, signed char)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:111: multiple definition of
```

```
`Preferences::putChar(char const*, signed char)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:123:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putUChar(char const*, unsigned char)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:128: multiple definition of
`Preferences::putUChar(char const*, unsigned char)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:140:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putShort(char const*, short)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:145: multiple definition of
`Preferences::putShort(char const*, short)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:157:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putUShort(char const*, unsigned short)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:162: multiple definition of
`Preferences::putUShort(char const*, unsigned short)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:174:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putInt(char const*, int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
```

libraries/Preferences/src/Preferences.cpp.orig.cpp:179: multiple definition of
`Preferences::putInt(char const*, int)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:191:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putUInt(char const*, unsigned int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:196: multiple definition of
`Preferences::putUInt(char const*, unsigned int)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:208:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putLong(char const*, int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:213: multiple definition of
`Preferences::putLong(char const*, int)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:225:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putULong(char const*, unsigned int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:217: multiple definition of
`Preferences::putULong(char const*, unsigned int)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:229:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putLong64(char const*, long long)':

/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:221: multiple definition of `Preferences::putLong64(char const*, long long)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:233: first defined here

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::putULong64(char const*, unsigned long long)':

/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:238: multiple definition of `Preferences::putULong64(char const*, unsigned long long)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:250: first defined here

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::putBool(char const*, bool)':

/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:263: multiple definition of `Preferences::putBool(char const*, bool)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:275: first defined here

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::putString(char const*, char const*)':

/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:267: multiple definition of `Preferences::putString(char const*, char const*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:279: first defined here

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in

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function `Preferences::putString(char const*, String)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:284: multiple definition of
`Preferences::putString(char const*, String)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:296:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putBytes(char const*, void const*, unsigned int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:288: multiple definition of
`Preferences::putBytes(char const*, void const*, unsigned int)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:300:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putFloat(char const*, float)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:255: multiple definition of
`Preferences::putFloat(char const*, float)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:267:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in
function `Preferences::putDouble(char const*, double)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:259: multiple definition of
`Preferences::putDouble(char const*, double)'; /var/folders/dv/
bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/
Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/
m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:271:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
```

arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getType(char const*)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:305: multiple definition of `Preferences::getType(char const*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:317: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::isKey(char const*)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:325: multiple definition of `Preferences::isKey(char const*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:337: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getChar(char const*, signed char)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:333: multiple definition of `Preferences::getChar(char const*, signed char)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:345: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getUChar(char const*, unsigned char)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:345: multiple definition of `Preferences::getUChar(char const*, unsigned char)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:357: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-

esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getShort(char const*, short)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:357: multiple definition of `Preferences::getShort(char const*, short)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:369: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getUShort(char const*, unsigned short)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:369: multiple definition of `Preferences::getUShort(char const*, unsigned short)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:381: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getInt(char const*, int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:381: multiple definition of `Preferences::getInt(char const*, int)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:393: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/../lib/gcc/xtensa-esp32-elf/8.4.0/../../../../xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getUInt(char const*, unsigned int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:393: multiple definition of `Preferences::getUInt(char const*, unsigned int)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:405: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-

gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getLong(char const*, int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:405: multiple definition of `Preferences::getLong(char const*, int)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:417: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getULong(char const*, unsigned int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:409: multiple definition of `Preferences::getULong(char const*, unsigned int)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:421: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getLong64(char const*, long long)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:413: multiple definition of `Preferences::getLong64(char const*, long long)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:425: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getULong64(char const*, unsigned long long)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:425: multiple definition of `Preferences::getULong64(char const*, unsigned long long)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:437: first defined here

/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getBool(char const*, bool)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:449: multiple definition of `Preferences::getBool(char const*, bool)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:461: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getString(char const*, char*, unsigned int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:453: multiple definition of `Preferences::getString(char const*, char*, unsigned int)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:465: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getString(char const*, String)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:475: multiple definition of `Preferences::getString(char const*, String)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:487: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getBytesLength(char const*)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:496: multiple definition of `Preferences::getBytesLength(char const*)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:508:

first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getBytes(char const*, void*, unsigned int)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:509: multiple definition of `Preferences::getBytes(char const*, void*, unsigned int)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:521:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getFloat(char const*, float)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:437: multiple definition of `Preferences::getFloat(char const*, float)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:449:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::getDouble(char const*, double)':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:443: multiple definition of `Preferences::getDouble(char const*, double)'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp:455:
first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o: in function `Preferences::freeEntries()':
/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/libraries/Preferences/src/Preferences.cpp.orig.cpp:526: multiple definition of `Preferences::freeEntries()'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/

```
libraries/Preferences/src/Preferences.cpp:538: first defined here
/Users/petergraham/Library/Arduino15/packages/m5stack/tools/xtensa-esp32-elf-
gcc/gcc8_4_0-esp-2021r2/bin/./lib/gcc/xtensa-esp32-elf/8.4.0/././././xtensa-
esp32-elf/bin/ld: /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.orig.cpp.o:/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp.orig.cpp:20: multiple definition of
`nvs_errors!'; /var/folders/dv/bb5675nn6c3_6y7cchx_x6b00000gn/T/
arduino_build_522972/libraries/Preferences/Preferences.cpp.o:/Users/
petergraham/Library/Arduino15/packages/m5stack/hardware/esp32/2.0.2/
libraries/Preferences/src/Preferences.cpp:26: first defined here
collect2: error: ld returned 1 exit status
exit status 1
Error compiling for board M5Stack-ATOM.
```