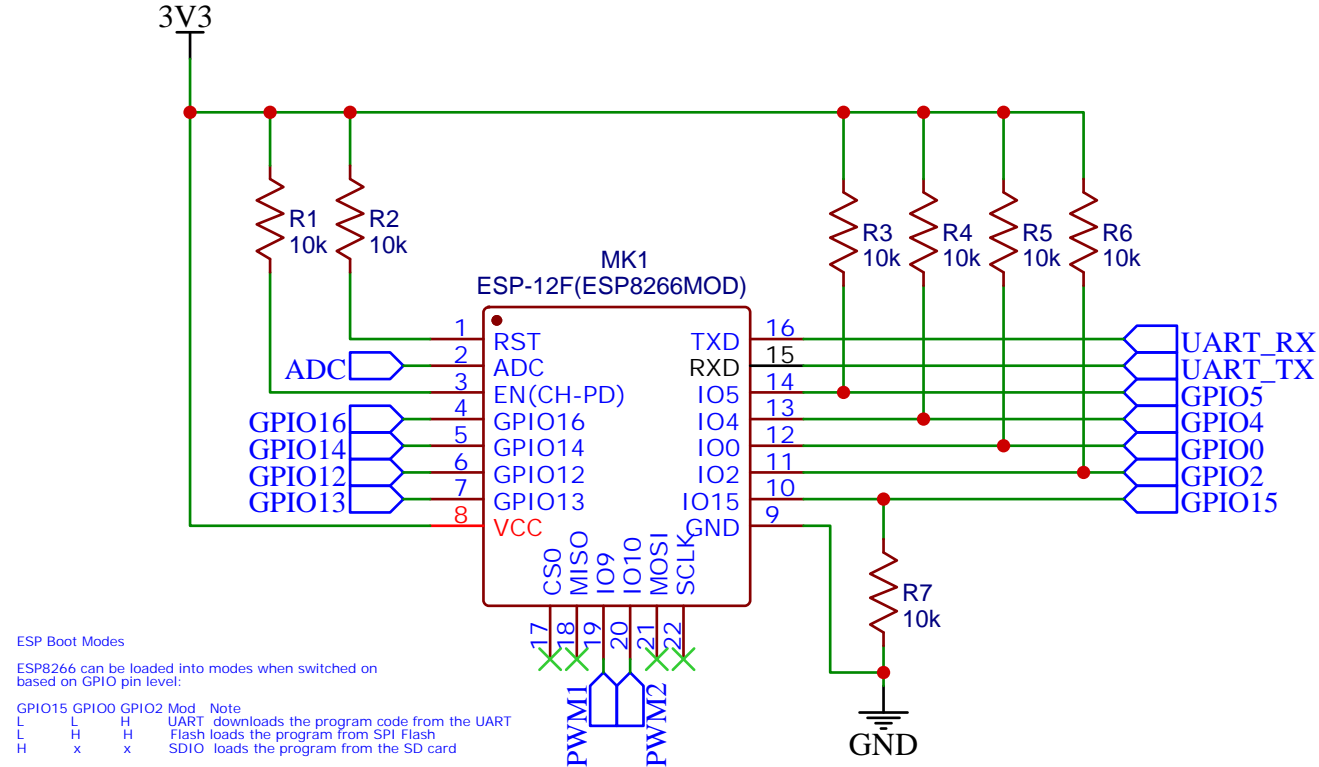
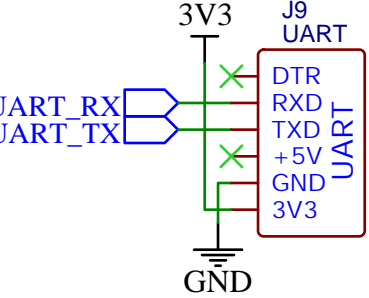


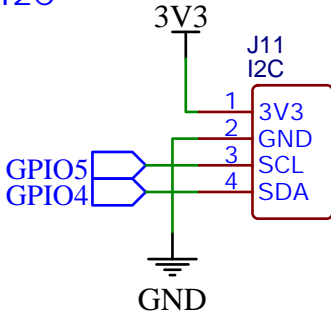
ESP12F



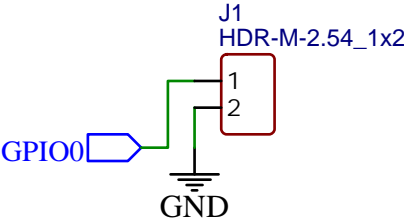
Programming port



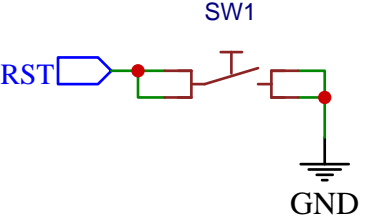
I2C



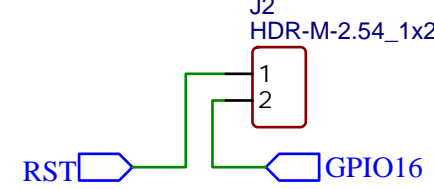
UART jumper
NC = upload program via UART,
WAKE-UP Jumper must be NO



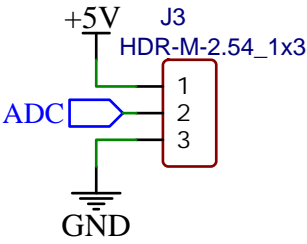
Reset



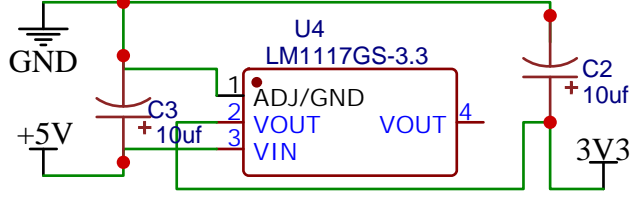
WAKE-UP jumper
NC = wake-up function switched on
ESP from deep sleep,
UART Jumper must be NO



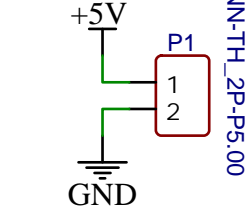
Soil Moisture Sensor



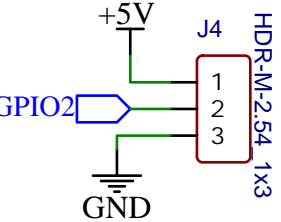
3.3v regulator



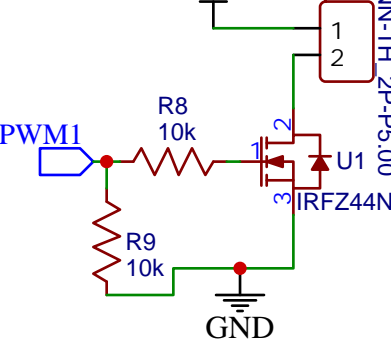
Vin 5V



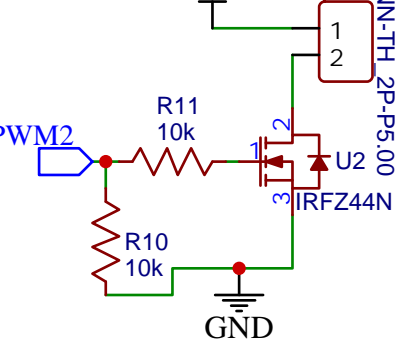
DHT22/DHT11



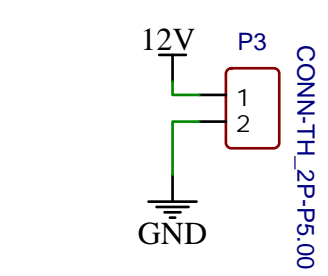
PWM1



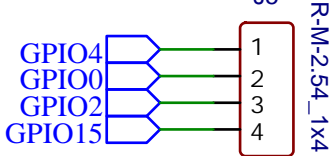
PWM2



12V Power for PWM Motors



Relays Control



GPIO	Input	Output	Notes
GPIO16	no interrupt	no PWM or I2C support	HIGH at boot used to wake up from deep sleep
GPIO5	OK	OK	often used as SCL (I2C)
GPIO4	OK	OK	often used as SDA (I2C)
GPIO0	pulled up	OK	connected to FLASH button, boot fails if pulled LOW
GPIO2	pulled up	OK	HIGH at boot connected to on-board LED, boot fails if pulled LOW
GPIO14	OK	OK	SPI (SCLK)
GPIO12	OK	OK	SPI (MISO)
GPIO13	OK	OK	SPI (MOSI)
GPIO15	pulled to GND	OK	SPI (CS) Boot fails if pulled HIGH
GPIO3	OK	RX pin	HIGH at boot
GPIO1	TX pin	OK	HIGH at boot debug output at boot, boot fails if pulled LOW
ADC0	Analog Input	X	

TITLE: Green House Automation

REV: 1.0

Company: Open Source Project

Sheet: 1/1

Date: 2024-09-12 Drawn By: Dave Borja