DHT11

U4
DHT11
VDD
DATA
NC
GND
3V3
GPIO3_U1

DS18B20

U3
DS18B20
VDD
DQ
GND
3V3
GPIO2_U1

RP2350_ADC_PR

RP2040_ADC0
PR1 10K
C1 100nF
RP2040_ADC1
PR2 10K
C2 100nF
3V3
GND

RP2350_PUSHBUTTONS

3V3
R8 10K
SW1 B3F-1000
RP2350_GP16
GND
3V3
R9 10K
SW2 B3F-1000
RP2350_GP17
GND

RP2350_LEDS

RP2350_GP10 LED1 R1 220
RP2350_GP11 LED2 R2 220
RP2350_GP12 LED3 R3 220
RP2350_GP13 R4 220
RP2350_GP14 R5 220
RP2350_GP15 R6 220
U6
CLV1H-FKB-CMPRTHKBB2367453

RP2350_I2C1_SENSORS

DISP1
OLED
12864
3V3
I2C_SCL_1
I2C_SDA_1
U8
VCC
GND
SCL
SDA
BMP180
3V3
I2C_SCL_1
I2C_SDA_1
HTU21D
I2C_SCL_1
I2C_SDA_1
3V3
GND
GY-302
ADDR
SDA
SCL
GND
VCC
3V3
GND
I2C_SDA_1
I2C_SCL_1

1.3 OLED

IR Sensor

3V3
GND
RP2350_GP19
CNY70

Buzzer

RP2350_GP16
R7
Q1 S8050
BUZZER1
GND

ESP-01

U5
GND VCC
IO2 RST
IO0 EN
RXD TXD
RP2350_TX_1
RP2350_RX_1
2.4GHz
GND 3V3

TODO: añadir ssd1306
añadir bmp180 mod
añadir htu21d
https://oshwlab.com/ckfb-team/coloreasypicox, resistencias smd 0806, etherntet spi

RP2350_XTAL

GND
C4 15pF
U7
ABM8-272-T3
C3 50pF
GND
R10 1K
RP2350_XIN
RP2350_XOUT

RP2350-INTERNALPWR

3V3
C6 4.7uF
L1 3.3uH
C9 4.7uF
RP2350_VREG_LX
3V3
R11 33
C5 4.7uF
RP2350_VREG_AVDD
GND

VREG

REG_3V3_1
U10
VIN VOUT
GND
TAB
C8 100nF
C10 100nF
3V3
GND

RP2350_NATIVE_USB

USB1
GND
VBUS CC1
DP1 DN1
SUB1 VBUS
NET1
GND
REG_3V3_1
USB_D+
USB_D-
REG_3V3_1
USB_D-
USB_D+
REG_3V3_1
5K1
C12 1nF
GND

Flash

RP2350_GPIO
R15
3V3
R14
U9
CS#
DO(IO1)
WP#(IO2)
HOLD#orRESET#(IO3)
VCC
CLK
DI(IO0)
W25Q128JVSIQ
GND
3V3
C8 100nF
QSPI_SD1
QSPI_SD2
QSPI_SD3
QSPI_SCLK
QSPI_SD0

USB-UART

USB2
GND
VBUS CC1
DP1 DN1
SUB1 VBUS
USB_D-
USB_D+
USB_D-
USB_D+
5K1
GND
U11
UD+
UD-
GND
RTS#
CTS#
V3
RXD
TXD
VCC
TNOW
CH340E
C11 1nF
GND
3V3
USB_UART_D+
USB_UART_D-
RP2350_TX_1
RP2350_RX_1

RP2350B

U1
GPIO4
GPIO5
GPIO6
GPIO7
IOVDD
GPIO8
GPIO9
GPIO10
GPIO11
DVDD
GPIO12
GPIO13
GPIO14
GPIO15
IOVDD
GPIO16
GPIO17
GPIO18
GPIO19
GPIO20
GPIO21
GPIO22
GPIO23
IOVDD
GPIO24
GPIO25
GPIO26
GPIO27
IOVDD
XIN
XOUT
DVDD
SWCLK
SWDIO
RUN
GPIO28
GPIO29
GPIO30
GPIO31
GPIO32
IOVDD
GND
GPIO3
GPIO2
GPIO1
GPIO0
QSPI_SS
QSPI_SD3
QSPI_SD2
QSPI_SD1
QSPI_SCLK
QSPI_SD0
QSPI_IOVDD
USB_OTP_VDD
USB_DP
USB_DM
USB_FB
USB_VIN
VREG_LX
VREG_PGND
VREG_VIN
VREG_AVDD
ADC_AVDD
IOVDD
GPIO47_ADC7
GPIO46_ADC6
GPIO45_ADC5
GPIO44_ADC4
GPIO43_ADC3
GPIO42_ADC2
GPIO41_ADC1
DVDD
IOVDD
GPIO40_ADC0
GPIO39
GPIO38
GPIO37
GPIO36
GPIO35
GPIO34
GPIO33
I2C_SDA_0
I2C_SCL_0
I2C_SCL_1
RP2350_TX_1
RP2350_RX_1
RP2350_GP10
RP2350_GP11
RP2350_GP12
RP2350_GP14
RP2350_GP15
RP2350_GP16
RP2350_GP17
RP2350_GP18
RP2350_GP19
RP2350_GP20
RP2350_GP21
RP2350_GP22
RP2350_GP23
RP2350_GP24
RP2350_GP25
RP2350_GP26
RP2350_GP27
RP2350_XIN
RP2350_XOUT
SWCLK
SWDIO
RP2350_GP28
RP2350_GP29
RP2350_GP30
RP2350_GP31
RP2350_GP32
GPIO3_U1
GPIO2_U1
RP2350_RX
RP2350_TX
QSPI_SD1
QSPI_SD2
QSPI_SD0
QSPI_SCLK
QSPI_SD3
USB_D+
USB_D-
R13
R12 27
RP2350_VREG_LX
RP2350_VREG_AVDD
GND
RP2350_ADC7
RP2350_ADC6
RP2350_ADC5
RP2350_ADC4
RP2350_ADC3
RP2350_ADC2
RP2350_ADC1
RP2350_ADC0
RP2350_GP39
RP2350_GP38
RP2350_GP37
RP2350_GP36
RP2350_GP35
RP2350_GP34
RP2350_GP33

Headers

H2
RP2040_GP6
RP2040_GP7
RP2040_GP8
RP2040_GP9
RP2040_GP11
RP2040_GP12
RP2040_GP13
RP2040_GP14
RP2040_GP15
RP2040_ADC0
RP2040_ADC1
RP2040_ADC2
RP2040_ADC3
H3
RP2350_GP20
RP2350_GP21
RP2350_GP22
RP2350_GP23
RP2350_GP24
RP2350_GP25
RP2350_GP26
RP2350_GP27
RP2350_GP28
RP2350_GP29
RP2350_GP30
RP2350_GP31
RP2350_GP32
RP2350_GP33
RP2350_GP34
RP2350_GP35
RP2350_GP36
RP2350_GP37
RP2350_GP38
RP2350_GP39
RP2350_GP20
RP2350_GP21
RP2350_GP22
RP2350_GP23
H4
RP2350_ADC7
RP2350_ADC6
RP2350_ADC5
RP2350_ADC4
RP2350_ADC3
RP2350_ADC2
RP2350_ADC1
RP2350_ADC0

RP2040_Zero

U2
GND
5V
5V
GP29
GP28
GP27
GP26
GP15
GP14
RP2040_ADC3
RP2040_ADC2
RP2040_ADC1
RP2040_ADC0
RP2040_GP15
RP2040_GP14
GP0
GP1
GP2
GP3
GP4
GP5
GP6
GP7
GP8
RP2350_RX
RP2350_TX
SWCLK
SWDIO
I2C_SCL_0
RP2040_GP6
RP2040_GP7
RP2040_GP8
RP2040_Zero

Schematic	Schematic1	Create at	2025-04-10
		Update at	2025-04-11
Board	Board1	Page	P1
Drawn			
Reviewed		rp2350-impa	
	Version	Size	Page 1 Total 1
EasyEDA	V1.0	A4	EasyEDA.com