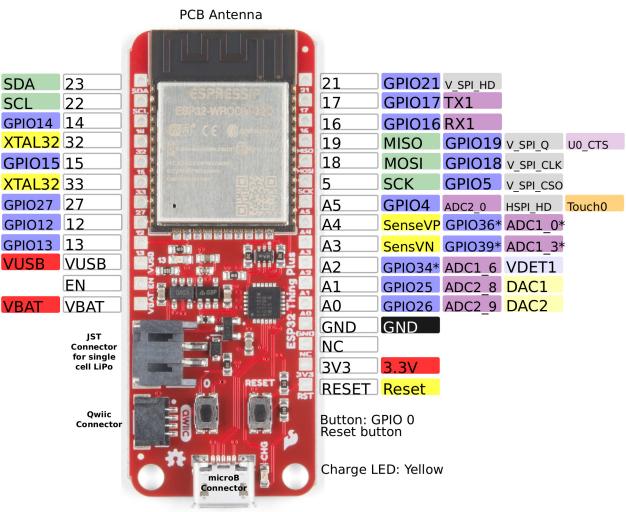
SparkFun ESP32 Thing Plus (WRL-14689)



Power

ESP32 VCC range: 2.2V-3.6V

VBAT: direct to battery (and charger)

VUSB: direct to USB (5V)

VCC: Output of regulator 3.3V/600mA Up to 250mA during RF transmissions

Wireless

Wifi: 802.11 b/g/n/e/i

WPA/WPA2/WPA2-Enterprise/SPS Bluetooth: Bluetooth 4.2/BLE

ESP32

GPIO23 SDA

HSPI CLK ADC2 6 GPIO14 14

ADC1 4 GPIO32 XTAL32 32

HSPI CS0 ADC2 3 GPIO15 15

ADC1 5 GPIO33 XTAL32 33

ADC2 7 GPIO27 27

ADC2 5 GPIO12 12

ADC2 4 GPIO13 13

VRAT

V SPI WP GPIO22 SCL

V SPI O

Touch7

HSPI Q

HSP ID

U0 RTS

Touch6

Touch9

Touch3

Touch8

Touch5

LED (Blue) Touch4

23

22

EN

Dual-core Xtensa 32-bit LX6 Up to 240MHz

520kB internal SRAM 16MB external flash

Multiplexed I/Os allow up to

- 13 ADC channels
- 3 SPI interfaces
- 3 UART interfaces
- 2 I2C interfaces
- 2 I2S interfaces 16 PWM outputs
- 2 DACs
- 8 Capacitive Touch Inputs

ADC Preamp

GPIO pins A3 and A4 are able to be used as a low noise analog pre-amplifier

Other*

Hall Sensor Temp sensor (-40C to 125C) SD/SDIO/MMC Host Controller **CAN Bus**

*On datasheet, but may not be supported yet



Name

Power

GND

Control

Arduino

GPIO

ADC

DAC

SPI

UART

Touch

Misc

*GPIO: Port Input Only

*ADC: Preamplifier ADC

GPIO 3.3V tolerant only

