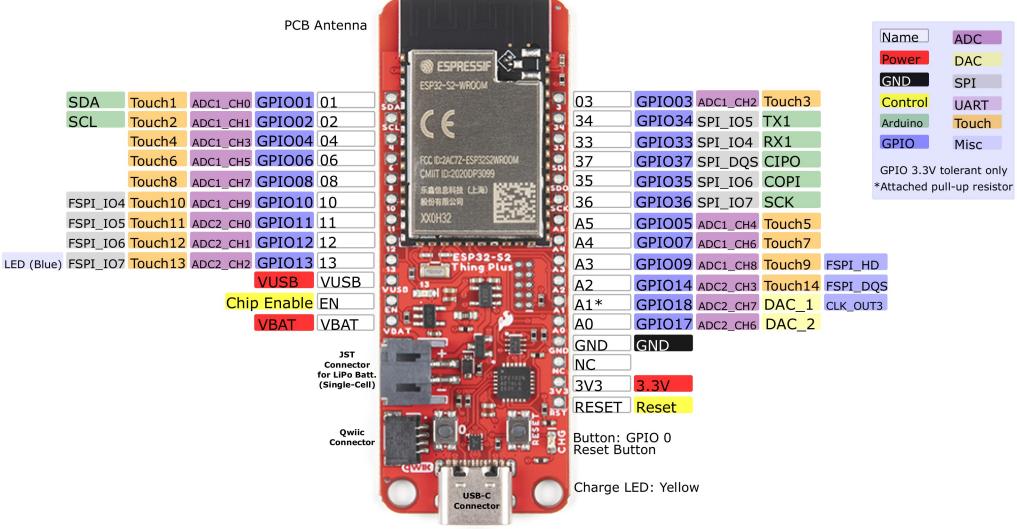
SparkFun ESP32-S2 Thing Plus (WRL-17743)



Power

ESP32 VCC Range: 3.0V-3.6V

VBAT: Direct to battery (and charger)

VUSB: Direct to USB (5V)

3V3: Direct to 3.3V regulator (600mA)

ESP32-S2 Current Consumption:

WiFi: 310mA (peak)Light-Sleep: 550µADeep-Sleep: 20-235µA

ESP32-S2 WROOM

Single-Core Xtensa 32-bit LX7

Up to 240MHz 320KB SRAM 4MB SPI Flash

Multiplexed I/Os allow up to

20 12-bit ADC Channels 4 SPI Interfaces 2 UART Interfaces 2 I2C Interfaces

1 I2S Interface 8 PWM Channels

2 8-bit DACs

14 Capacitive Touch I/O

Wireless

WiFi: 802.11 b/g/n (up to 150Mbps) WPA/WPA2/WPA2-Enterprise/SPS

Other*

Temp sensor (-20°C to 110°C)
LCD Interface
Camera Interface
IR Remote Controller
ESP-MESH Networking
Cryptographic Hardware Accelerators

*On datasheet, but may not be supported yet



