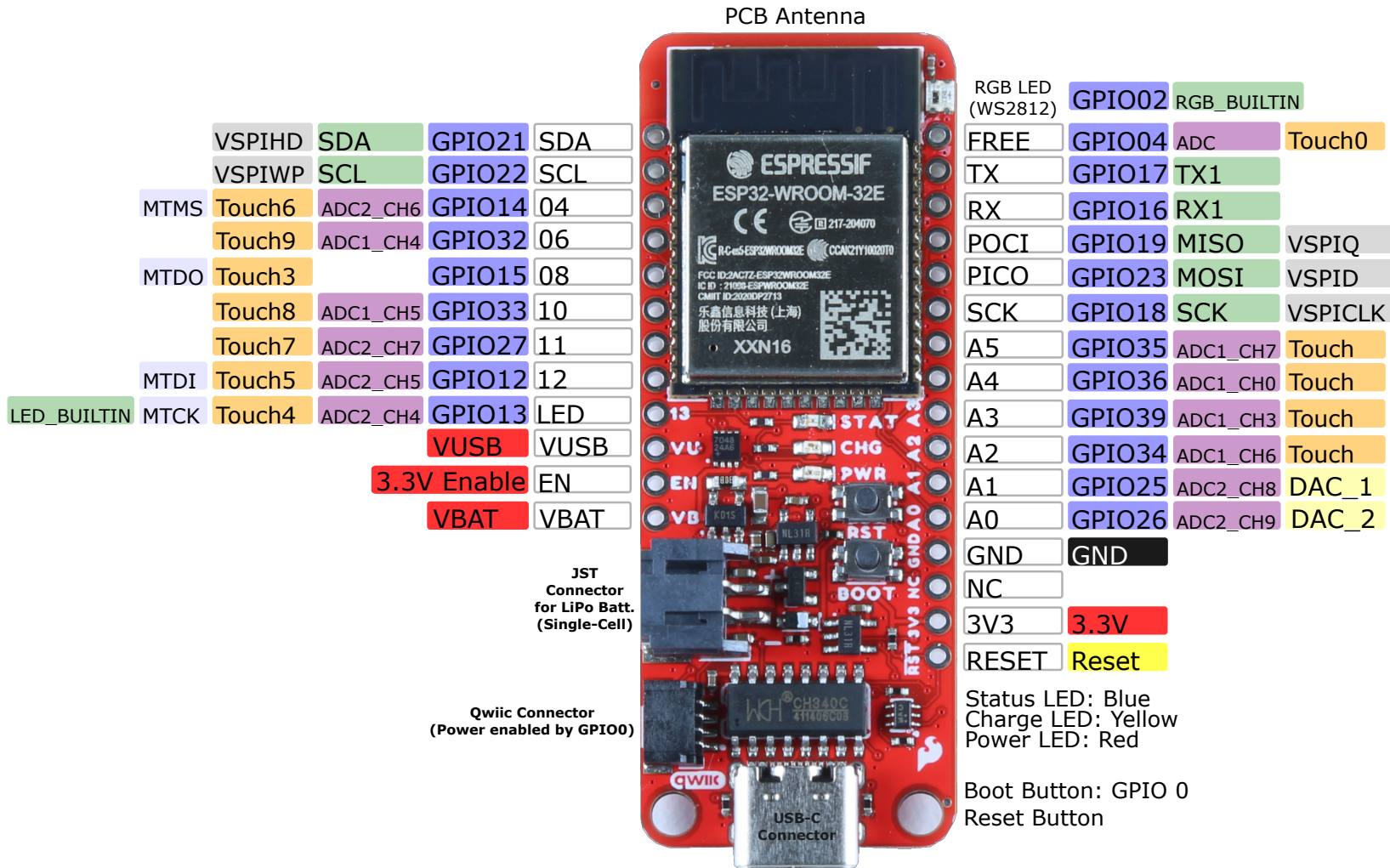


SparkFun ESP32 Thing Plus (USB-C) (WRL-20168)



Name	ADC
Power	DAC
GND	SPI
Control	UART
Arduino	Touch
GPIO	Misc

GPIO 3.3V tolerant only

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 (700mA)
 ESP32-S2 Current Consumption:
 · WiFi: 380mA (peak)
 · Light-Sleep: 800µA
 · Deep-Sleep: 10-150µA

Power Control
 EN pin - Power for board
 GPIO0 - Power to Qwiic Connector

ESP32-WROOM
 Dual-Core Xtensa 32-bit LX7
 Up to 240MHz
 520KB SRAM
 16MB SPI Flash

Multiplexed I/Os allow up to
 13x 12-bit ADC Channels
 3x SPI Interfaces
 3x UART Interfaces
 2x I2C Interfaces
 2x I2S Interface
 16x 20-bit PWM Channels
 2x 8-bit DACs
 8x Capacitive Touch Inputs

Wireless
 WiFi: 802.11 b/g/n (up to 150Mbps)
 WPA/WPA2/WPA2-Enterprise/SPS
 Bluetooth: Bluetooth 4.2/BLE

Other*
 Temp sensor (-40°C to 125°C)
 Hall Sensor
 SD/SDIO/MMC Host Controller
 · µSD card slot CS: GPIO05 SS

CAN Bus

*On datasheet, but may not be supported yet

