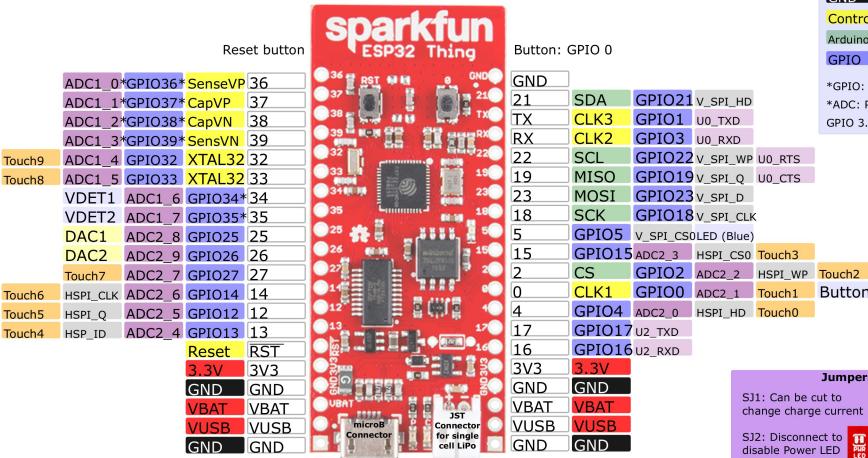
# SparkFun ESP32 Thing (DEV-13907)

PCB Antenna



Power LED: Red Charge LED: Yellow

### **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

## ESP32

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

520kB internal SRAM 4MB external flash

# Multiplexed I/Os allow up to

18 ADC channels 3 SPI interfaces 3 UART interfaces

2 I2C interfaces 2 I2S interfaces

16 LED PWM outputs

10 Capacitive Touch Inputs

## **ADC Preamp**

GPIO pins 36,67,38, and 39 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

Button

**Jumpers** 

SJ3: Use to change voltage to

flash chip

ADC

DAC

SPI

UART

Touch

Misc

\*GPIO: Port Input Only

\*ADC: Preamplifier ADC

GPIO 3.3V tolerant only

