

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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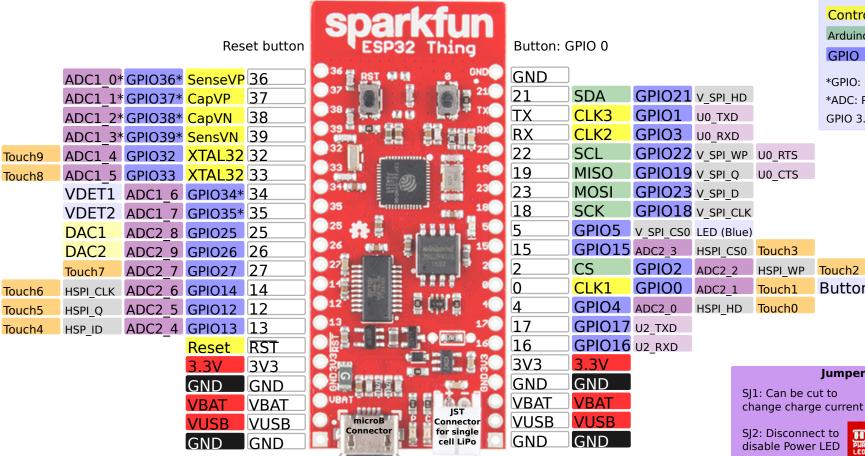






SparkFun ESP32 Thing (DEV-13907)

PCB Antenna



Power LED: Red Charge LED: Yellow

Jumpers SJ1: Can be cut to change charge current SJ2: Disconnect to disable Power LED SI3: Use to change voltage to flash chip

Button

Name

Power

GND

Control

Arduino

GPIO

ADC

DAC

SPL

UART

Touch

Misc

*GPIO: Port Input Only

*ADC: Preamplifier ADC

GPIO 3.3V tolerant only

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

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

2 DACs 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



