ESP8266 Thing Dev Board (WRL-13711)

Arduino add-on available

80MHz

Name	Arduino
Power	ADC
GND	Serial
Control	Misc
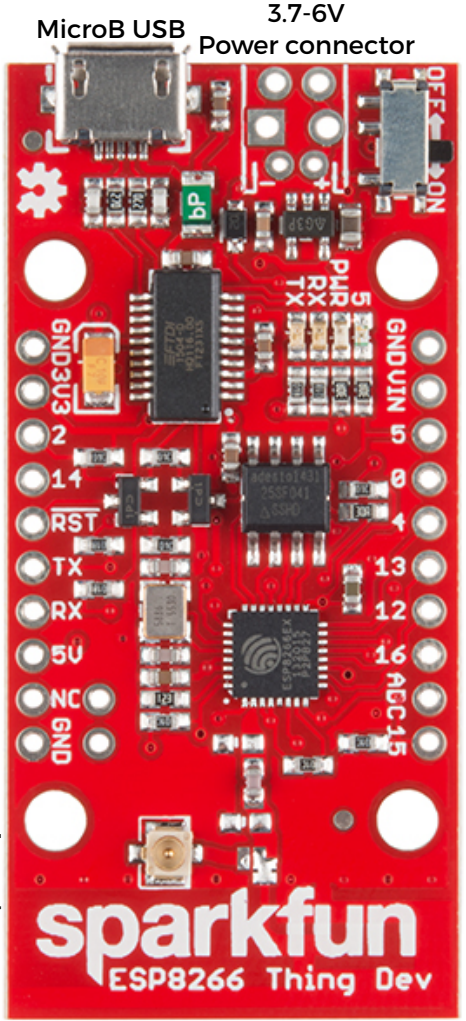
MicroB USB

3.7-6V
Power connector

Power switch

GPIO0
On bootup will run program if high and bootloader if low
Tied to DTR to run bootloader when reset

GND	GND			GND	GND	
3.3V	3V3			Vin	Vin	
SDA	D2	2		5	D5	LED
SCL/SCLK	D14	14		0	D0	Used in reset
	Reset	RST		4	D4	
TX	D7	TX		13	D13	MOSI
RX	D8	RX		12	D12	MISO
	V_USB	5V		16	D16	XPD
Not Connected	NC			ADC	A0	10-bit 1V
	GND	GND		15	D15	

u.fl antenna connector
Not Connected
To use swap the solder jumper

Jumpers on back

PWR-LED - cut to disconnect power LED
SLEEP-EN - Connect RST to XPD to enable sleep (disables programming)

PCB Antenna

Power (ESP8266 Thing)
Vin: 3.7V-6V
VUSB: 5V
VCC:3.3V @500mA
Max 12mA per I/O pin

Typical Power (ESP8266 module)
Transmit 135-215mA
Receive 60-62mA
Standby 0.9mA
Deep sleep 10uA

LEDs
Power: Red
User (pin 5): Blue
RX: Yellow
TX: Green

Wi-Fi
802.11 b/g/n
Wi-Fi Direct (P2P) soft AP

sparkfun.com