

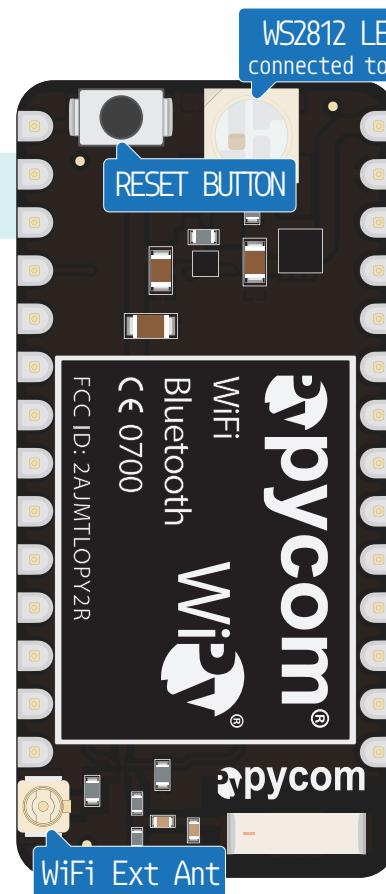


PINOUT

PROGRAM Port

RST	ChipPU	9	
RX0	P0	GPIO3	40
TX0	P1	GPIO1	41
	P2	GPIO0	23
TX1	P3	GPIO4	24
RX1	P4	GPIO15	21
	P5	GPIO5	34
	P6	GPIO27	16
	P7	GPIO19	38
	P8	GPIO2	22
	SDA	P9	GPIO12
	CLK	P10	GPIO13
MOSI		P11	GPIO22
MISO		P12	GPIO21

Absolute MAX per pin 12mA
recommended 6mA



5V
GND
3.3V
17 GPIO14 P23
14 GPIO25 P22
15 GPIO26 P21
13 GPIO33 P20
12 GPIO32 P19
10 GPIO34 P18
11 GPIO35 P17
8 GPIO39 P16
7 GPIO38 P15
6 GPIO37 P14
5 GPIO36 P13

Up to 1.2-A Maximum Load Capability

Only Input pins!
No pullup/pulldown internal resistance

- Power**
- GND**
- Serial Pin**
- Analog Pin**
- Control**
- Physical Pin**
- Port Pin**
- Touch Pin**
- DAC Pin**
- PWM Pin**

Low Level Bootloader

P2 + **GND**

Boot modes and safe boot

P12 + **3.3V**



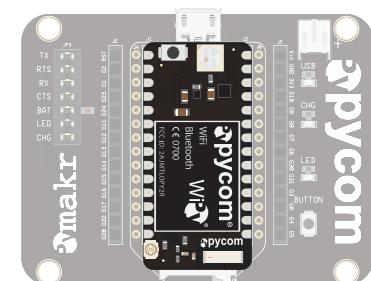
Safe boot, latest firmware is selected



Safe boot, previous user update selected



Safe boot, the factory firmware is selected



05 Nov 2016
ver 1 rev 2