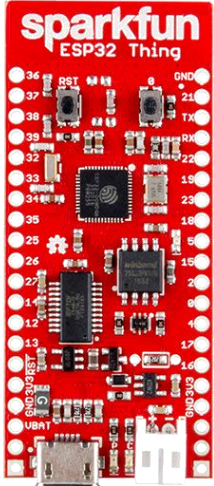
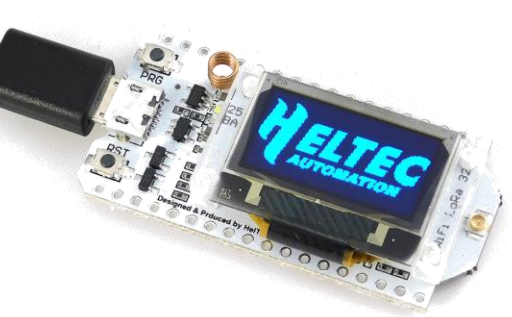


ESP32 – SPARKFUN ESP32 THING



PORTA	RESISTOR EXTERNO		INPUT_PULLUP
	PULL-DOWN	PULL-UP	
0	X	X	X
1 (tx)	X	X	X
2	OK	OK	OK
3 (rx)	OK	OK	OK
4	OK	OK	OK
5	OK	OK	OK
12	X	X	OK
13 até 19	OK	OK	OK
21 até 23	OK	OK	OK
25 até 27	OK	OK	OK
32 e 33	OK	OK	OK
34 até 39	OK	OK	X



ESP32 – HELTEC WiFi LoRa

PORTA	RESISTOR EXTERNO		INPUT_PULLUP
	PULL-DOWN	PULL-UP	
0	X	X	X
1 (tx)	X	X	X
2	OK	OK	OK
3 (rx)	OK	OK	OK
4	OK	OK	OK
5	OK	OK	OK
12	X	X	OK
13 até 18	OK	OK	OK
19	OK	OK	X
21 até 23	OK	OK	OK
25	OK	OK	OK
26	OK	OK	X
27	OK	OK	OK
32 até 39	OK	OK	X



ESP32 – NodeMCU-32S

	RESISTOR EXTERNO		INPUT PULLUP
PORTA	PULL-DOWN	PULL-UP	
1 (tx0)	X	X	X
2	OK	OK	X
3 (rx0)	OK	OK	OK
4	OK	OK	OK
5	OK	OK	OK
12	X	X	OK
13 até 15	OK	OK	OK
16 (rx2)	OK	OK	OK
17 (tx2)	X	X	X
18 e 19	OK	OK	OK
21 até 23	OK	OK	OK
25 até 27	OK	OK	OK
32 e 33	OK	OK	OK
34 e 35	OK	OK	X



ESP32 – NodeMCU-32S

PORTA	RESISTOR EXTERNO		INPUT PULLUP
	PULL-DOWN	PULL-UP	
1 (TX)	X	X	X
2	OK	OK	OK
3 (RX)	X	X	X
4 e 5	OK	OK	OK
7 e 8	X	X	X
12	X	X	OK
13 até 19	OK	OK	OK
21 até 23	OK	OK	OK
25 até 27	OK	OK	OK
32 e 33	OK	OK	OK
34 e 35	OK	OK	X
36 e 39	OK	OK	X

NodeMCU-32S

PINOUT

