

0	pulled up	OK	outputs PWM signal at boot
1	TX Pin	OK	debug output at boot
2	OK	OK	connected to on-board LED
3	OK	RX Pin	HIGH at boot
4	OK	OK	GPIO 36
5	OK	OK	outputs PWM signal at boot GPIO 39
6	X	X	connected to the integrated SPI flash
7	X	X	connected to the integrated SPI flash
8	X	X	connected to the integrated SPI flash connected to the integrated SPI flash
9	X	X	connected to the integrated SPI flash
10	X	X	connected to the integrated SPI flash
11	X	X	connected to the integrated SPI flash
12	OK	OK	
13	OK	OK	outputs PWM signal at boot
14	OK	OK	outputs PWM signal at boot
15	OK	OK	
16	OK	OK	
17	OK	OK	
18	OK	OK	
19	OK	OK	
20	OK	OK	
21	OK	OK	
22	OK	OK	
23	OK	OK	
24	OK	OK	
25	OK	OK	

26	OK	OK	
27	OK	OK	
28	OK	OK	
29	OK	OK	
30	OK	OK	
31	OK	OK	
32	OK	OK	
33	OK	OK	
34	OK		input only
35	OK		input only
36	OK		input only
39	OK		input only

Component	Input Voltage	Pin Number	Number of ESP pin (Data)	Current Draw	
3x4 Keypad	NA	7	[8] 8 in/out D	20mA	G19,G18,G5, G17,G16,G4,G0
HC-SR04 (Ultrasonic)	5V	4	[2] 1 in D & 1 out D	15mA	G25(ECHO), G26(TRIG)
Solenoid Valve	12V	2	[1] 1 out D (Amplified)	1.2A	
MQ-2 (Smoke)	5V	3	[2] 1 in A & 1 in D	88mA	G35(A0)
DHT11 (Temp)	5V	4	[1] 1 in A (10k Ω)	2.5mA	G15(S)
MPU6050 (Gyroscope)	5V	8	[2] 1 SCL, 1 SDA	3.9mA	G22(SCL), G21(SDA)
MH-FMD (Active Buzzer)	5V	3	[1] 1 out (PWM)	15mA	G13
KY 016 (RGB LED)	NA	4	[3] 3 out A (1 pin 100 Ω [R])	20mA	G12(RED), G14(GREEN), G27(YELLOW)

But if we power the ESP32 board via USB, the input voltage of the board before the voltage regulator is 5V and accessible via the V5 pin of the EPS32 ESP-WROOM-32.