

Features:

- 6 Canais PWM 700mA CC XL4001
- 1 Canal PWM Dreno aberto 10A
- 1 Sensor 1Wire Temperatura DS18B20
- 1 Botão lateral (config)
- LED Debug WS2812B
 - Sem horário
 - Sem internet
 - Manual
 - Automático
- I2C
 - Display 3V3
 - Display 5V
 - ADS1115
 - Tensão de entrada atenuado 11x
 - Nível de fluído pull-up 330
 - Alerta fluído baixo pull-up 2k2
 - Livre pull-up 2k2
 - SHT40
 - Temperatura $\pm 0.2^{\circ}\text{C}$
 - Umidade $\pm 1.8\%$
- Atualização remota Github

GPIO	Input	Output	Uso	Notes
0	pulled up	OK	Prog + Button A	outputs PWM signal at boot, must be LOW to enter flashing mode
1	TX pin	OK	TX	debug output at boot
2	OK	OK		connected to on-board LED, must be left floating or LOW to enter flashing mode
3	OK	RX pin	RX	HIGH at boot
4	OK	OK	1Wire	
5	OK	OK		outputs PWM signal at boot, strapping pin
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
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	LED RGB	boot fails if pulled high, strapping pin
13	OK	OK	Chanel 1 - CC	
14	OK	OK		outputs PWM signal at boot
15	OK	OK		outputs PWM signal at boot, strapping pin
16	OK	OK	Chanel 2 - CC	
17	OK	OK	Chanel 3 - CC	
18	OK	OK	Chanel 4 - CC	
19	OK	OK	Chanel 5 - CC	
21	OK	OK	I2C SDA	
22	OK	OK	I2C SCL	
23	OK	OK	Chanel 6 - CC	
25	OK	OK	Chanel 7 - OD	
26	OK	OK	Relay 1	
27	OK	OK	Opto 1	
32	OK	OK	GPIO 32 - SDA2	
33	OK	OK	GPIO 33 - SCL2	
34	OK			input only
35	OK			input only
36	OK			input only
39	OK			input only