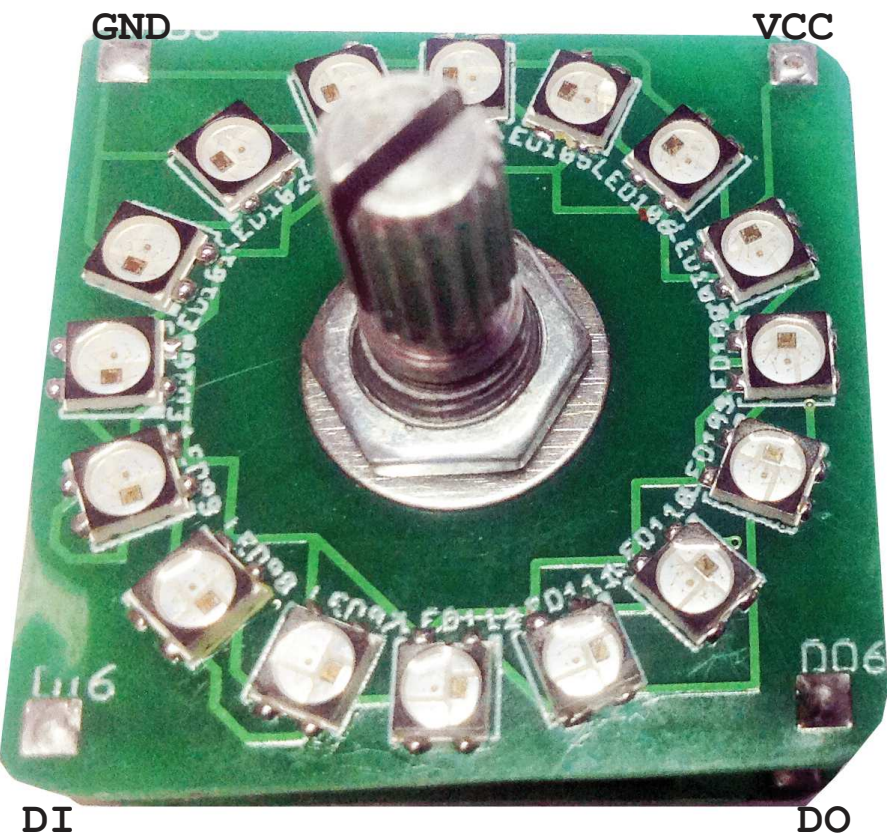
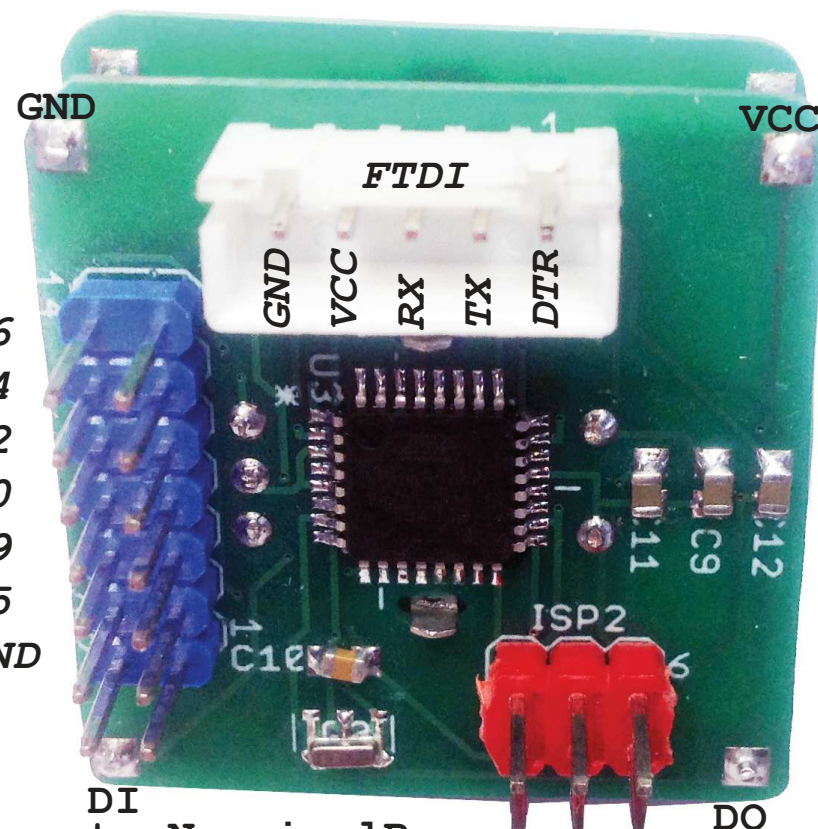


## WS2812 32x32 NEOPIXEL PCB



This optional piggyback PCB with 16 Neopixel RGB LEDs has a mounting hole for the Encoder, soldered on the Encoder PCB.  
 You can replace this PCB with any other Neopixel LEDs, e.g. by using an external Neopixel LED RING.  
 Or you can extend the Neopixel LED chain, by wiring the DO output to the next Neopixel LED chain.

## Encoder PCB with multiple I/Os



**GPIO:**

14	A7	13	A6
12	A5	11	A4
10	A3	9	A2
8	A1	7	A0
6	D10	5	D9
4	D7	3	D5
2	D4	1	GND

**DI to NeopixelBus**

an unlimited number of Neopixel LEDs can be chained here.

<b>ISP/SPI:</b>	
1	MISO wh
2	VCC re
3	SCK bl
4	MOSI gn
5	RESET ye
6	GND bk