

# USB-Breakout-with-Reset v1.0

Rewire Circuit Kit, Brown Dog Gadgets, 11/19/16

Circuit kit module to break out USB + and - signals, along with a RESET pushbutton, to program Rewire Circuit microcontrollers in place.

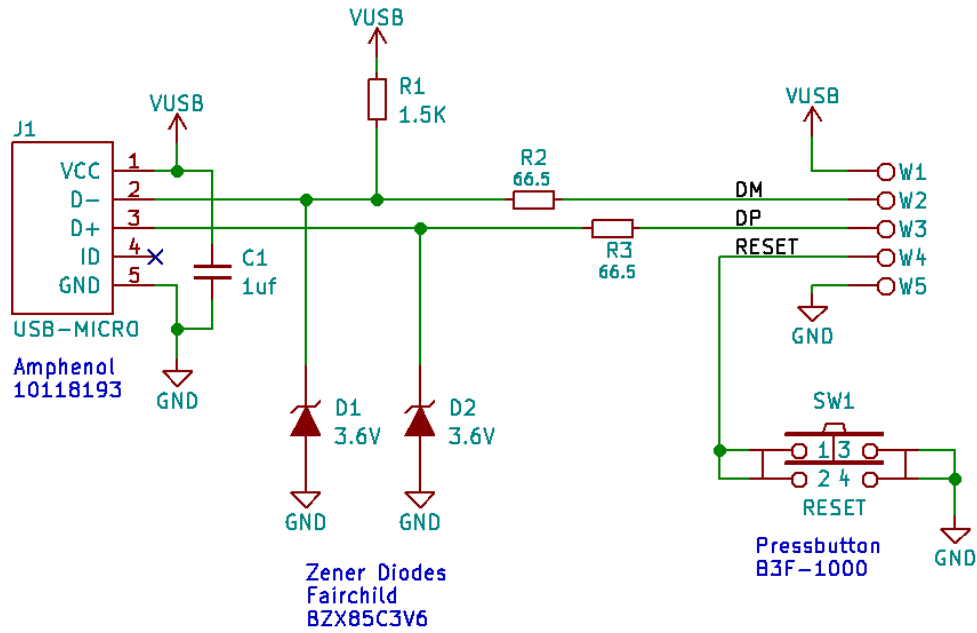


Figure 1: Schematic

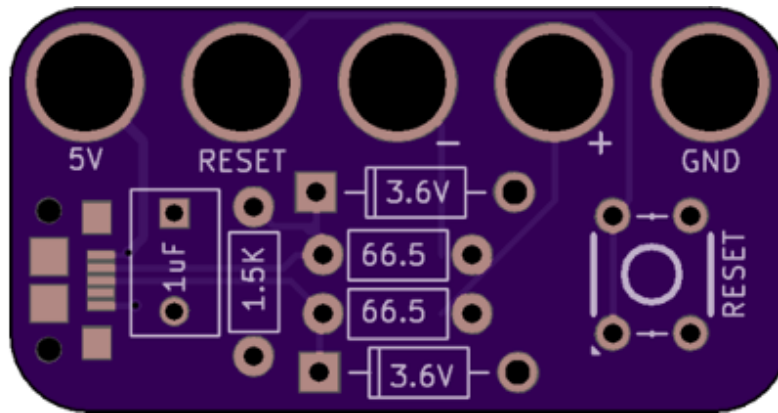
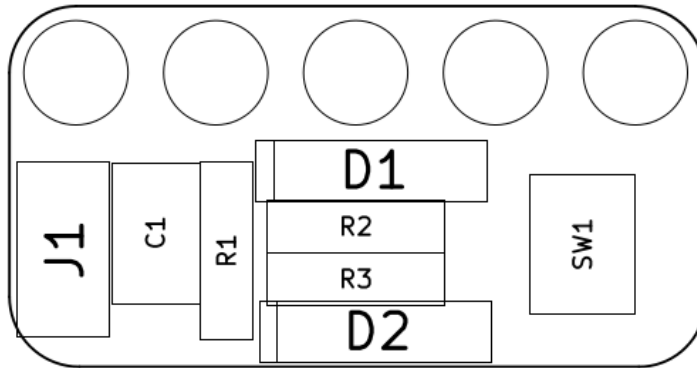


Figure 2: OSH Park Preview (Top Side)

Assembly Information  
USB Breakout v1.0



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11/20/16

Refdes	Qty	Description	Digikey Number
C1	1	CAP CER 1UF 16V X7R RADIAL	445-8614-ND
D1,D2	2	DIODE ZENER 3.6V 1W DO41	BZX85C3V6-ND
J1	1	USB MICRO-B RECEPTACLE 5PIN SMT	609-4616-1-ND
R1	1	RES 1.5K OHM 1/2W 5% CF MINI	S1.5KHCT-ND
R2,R3	2	RES 66.5 OHM 1/4W 1% AXIAL	66.5XBK-ND
SW1	1	SWITCH TACTILE SPST-NO 0.05A 24V	SW400-ND