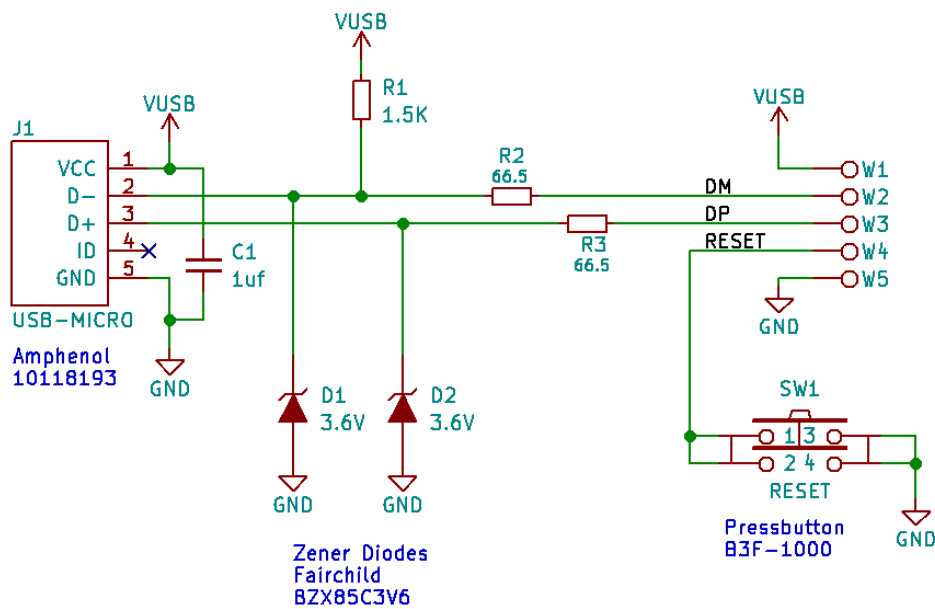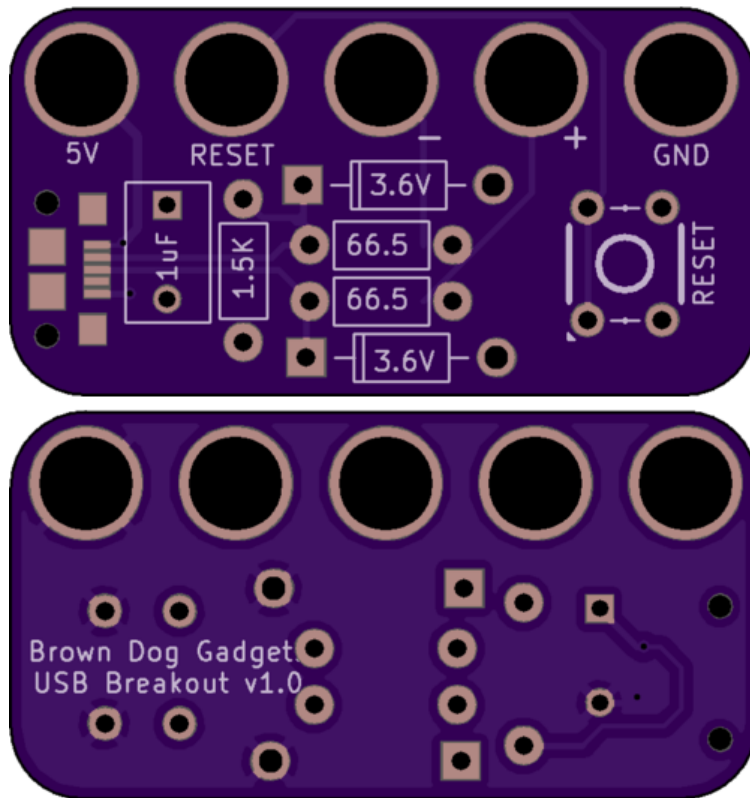# USB-Breakout-with-Reset Circuit Kit v1.0
Lego-compatible circuits by Brown Dog Gadgets

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

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

5V   RESET   −   +   GND

3.6V
.1uF   1.5K   66.5
66.5
3.6V

RESET

Brown Dog Gadgets
USB Breakout v1.0

Assembly Information
USB Breakout v1.0

J1   C1   R1   D1
R2
R3
D2

Sw1