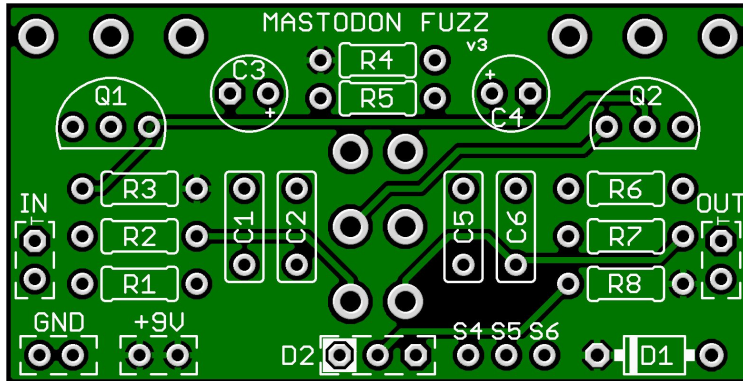
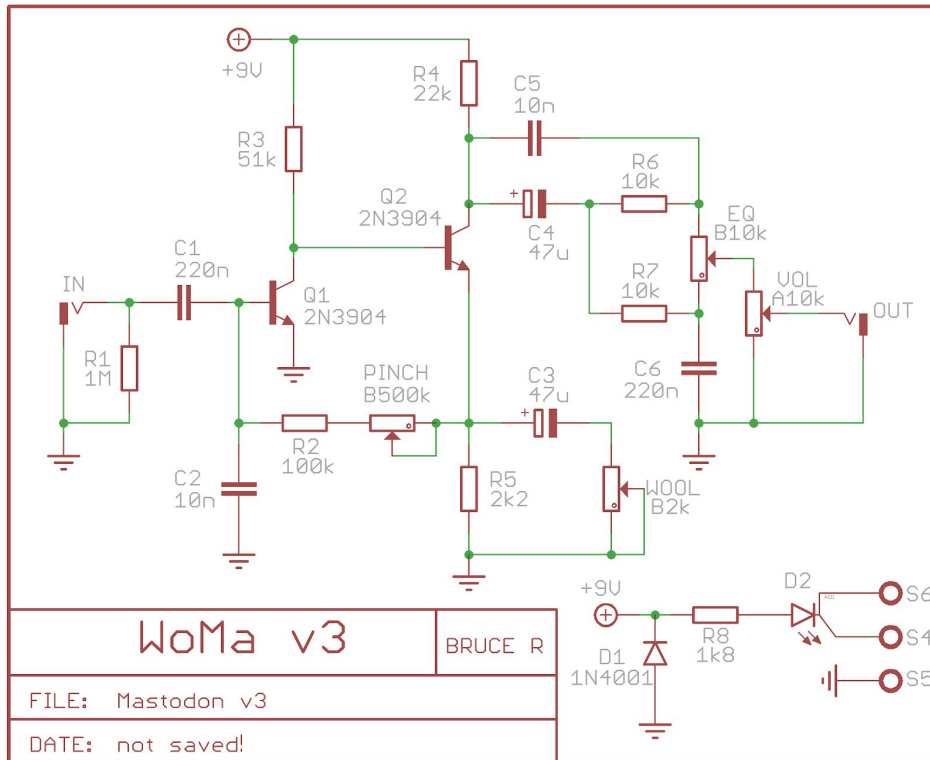


Mastodon Fuzz V3

SERIOUSLY HUGE FUZZ! Defined controls that yield massive fuzz that both bites and growls. The Pinch control is where this pedal really shines. Thunderous gated tones or smooth Fuzz Face like tones are easily dialed in. The EQ allows full control of both bass and six string guitars. This circuit is waiting for your Bass or 6-string.



Board Dimensions (W x H) 1.95" x 1.00"

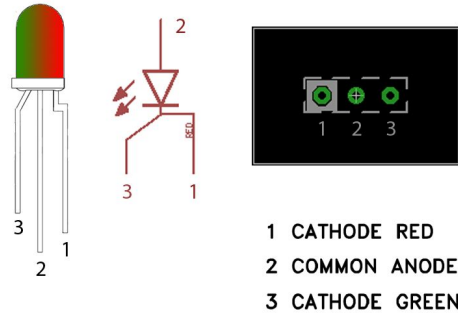


R1	1M	C1	220n	Q1	2N3904
R2	100k	C2	10n	Q2	2N3904
R3	51k	C3	47μ	.	.
R4	22k	C4	47μ	PINCH	500k Lin
R5	2k2	C5	10n	WOOL	2k Lin
R6	10k	C6	220n	EQ	10k Lin
R7	10k	.	.	VOLUME	10k Log
*R8	3k3	D1	1N4001	D2	CA Bi-color LED

Build Notes

D1 is a reverse polarity protection. **D2** is an option to use the board to hold the Bi-color status LED.

R8 – Current Limiting Resistor for on-board Bi-color LED. This may be adjusted to 4k7 for a dimmer light.



The diagram above shows the pin-out, schematic symbol and pad connection for a common anode LED.

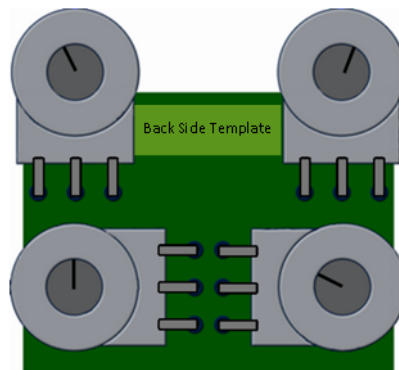
The pin-out for the bi-colour LED is as follows:

- 1st Colour Cathode 90 degree bend in the lead
- Common Anode Middle lead
- 2nd Colour Cathode 45 degree bend in the lead

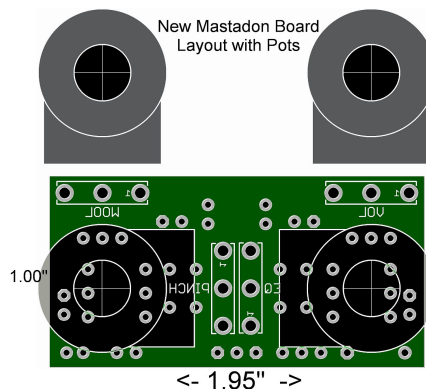
The pad for lead 1 on the circuit board is marked with a white box.

When connected correctly the LED will light red when power is applied and the circuit is in bypass mode. The LED will light green when in effects mode. When using a standard LED use center anode and non-white box.

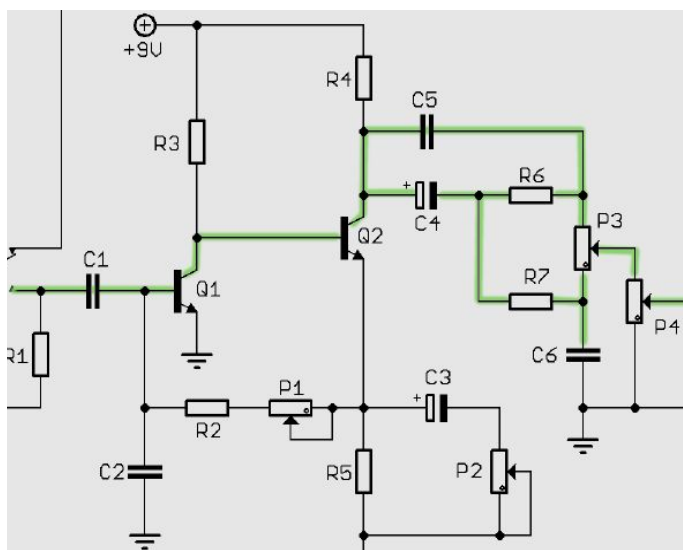
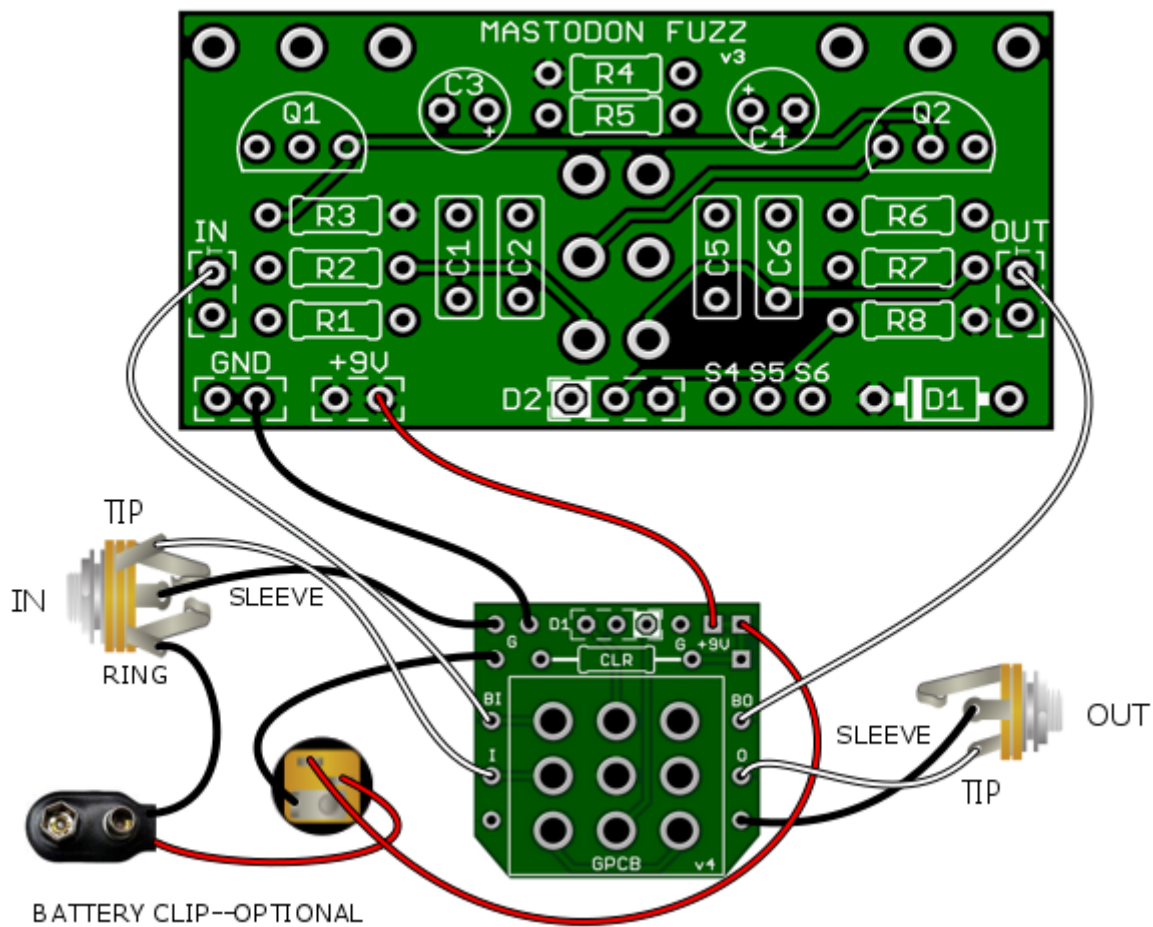
If you wish to use a standard LED, connect the anode to the middle pad and the cathode to the right pad to show the circuit in effects mode.



Cut out for drill template (Be sure to match with your board)



MASTODON FUZZ WIRING



Audio Path and sample voltages for troubleshooting.

Q1 Emitter: 0V, Base 0,58V, Collector 1,2V

Q2 Emitter: 0,88V, Base 1,2V, Collector 2,3V

[Soldering Tutorial on Youtube](#)

