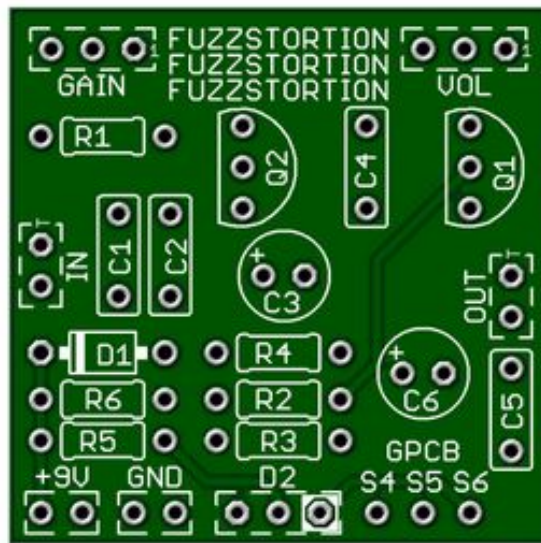


# Fuzzstortion

With 80+ unique circuits under our belt we are getting picky about what we release. This time it is the Fuzzstortion, not because it is less filling but because it sounds great! This Guitar Volume sensitive circuit achieves tube amp style breakup to Fuzzy Saturation. In between you'll find an array of useful overdrive and distortion tones to play with. The Fuzzstortion will also handle bass frequencies extremely well. No need for a tone control as it delivers the full frequency provided by your rig. [See Demo](#)

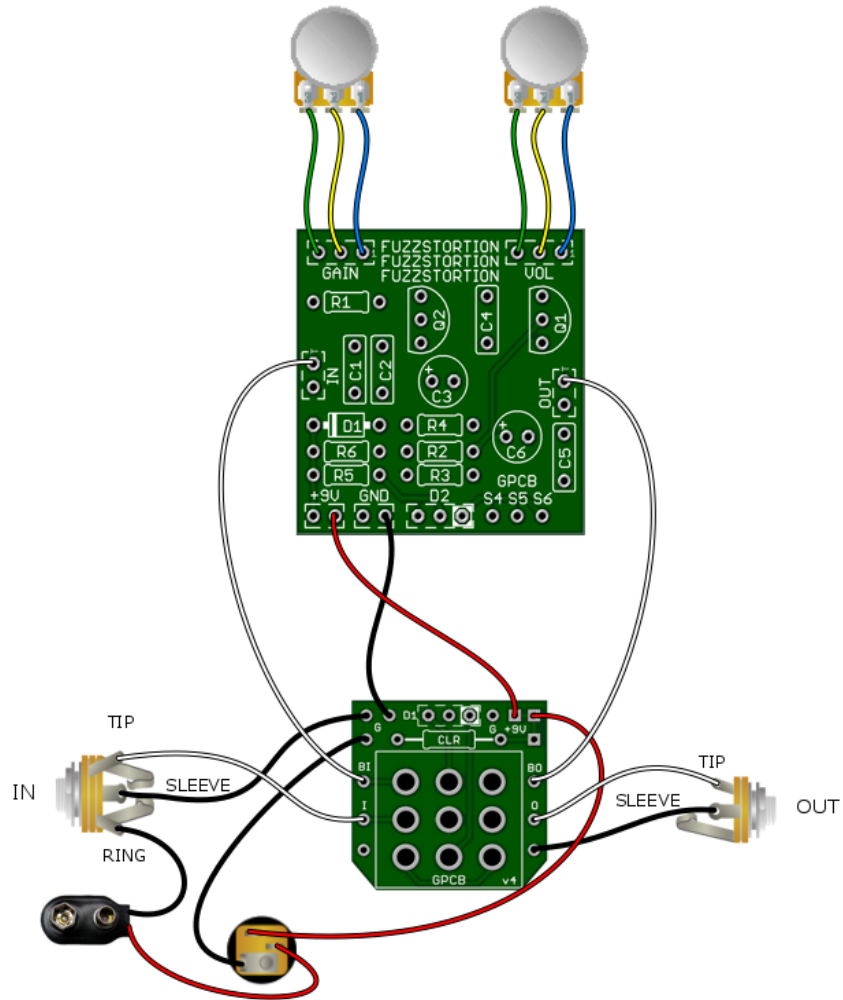
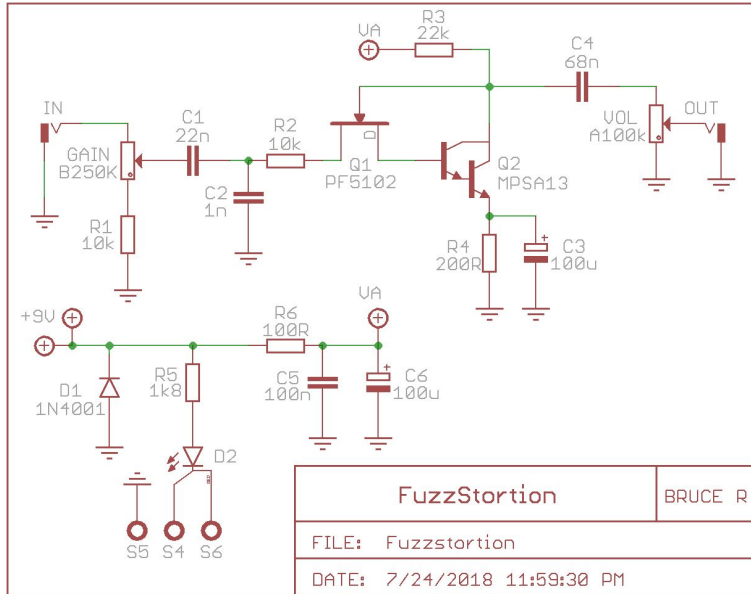


Part	Value
R1	10k
R2	10k
R3	22k
R4	200R
R5	1k8
R6	100R

Part	Value
C1	22n
C2	1n
C3	100u
C4	68n
C5	100n
C6	100u

Part	Value
Q1	PF5102
Q2	MPSA13
D1	1N4001
D2	LED-CA-BiColor
VOL	A100k
GAIN	B250K

**Build Notes:** You may use 9mm potentiometers as an on-board pot if you wish. Simply solder them to the back side of the board and align the lug number with the silkscreen on the board. Use Sockets for the transistors so you may try different ones and prevent overheating the transistor. This board comes with dual power and ground pads which are convenient for combo builds.



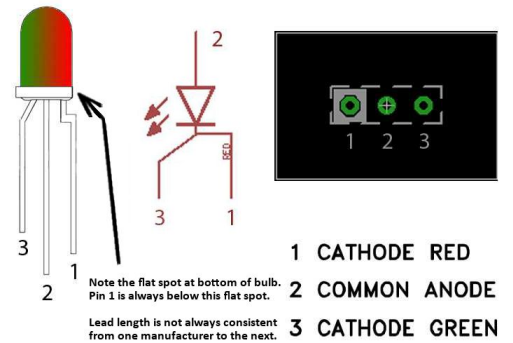
BATTERY CLIP--OPTIONAL

## STATUS LED

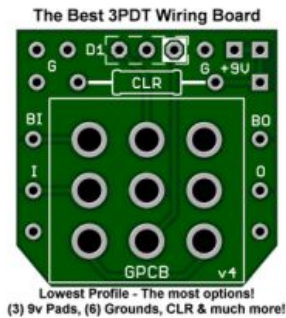
D2 is a common anode bi-color LED. The diagram at right shows the pin-out, schematic symbol and pad connection for a common anode LED. The pin-out for the bi-color LED is typically (but not always) as follows:

**The lead 1 pad 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. **If you wish to use a standard LED, connect the anode to the middle pad and the cathode to the right (non-white) pad to show the circuit in effects mode.** If you use a 3PDT wiring board that includes an LED, you can omit this LED and R5. \*R5 is the LED's Current Limiting Resistor (CLR). If you use a different LED, you may want to change this value to adjust LED brightness.



If you are using one of GuitarPCB's handy 3PDT wiring boards, pads S4, S5, S6 and D8 would be ignored and R5 would not be installed. See wiring guide below for reference.



[Soldering Tutorial on Youtube](#)

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