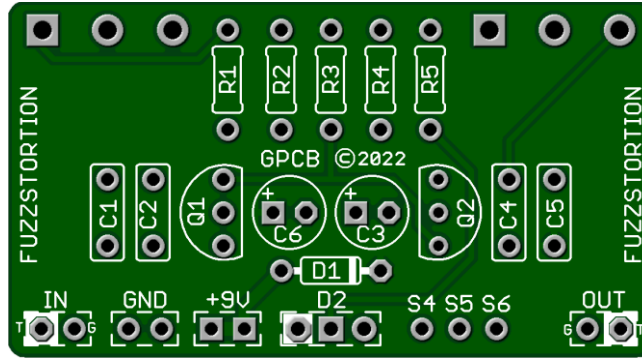


Fuzzstortion

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. No need for a tone control as it delivers the full frequency provided by your rig.



Dimensions: 1.95" x 1.07"

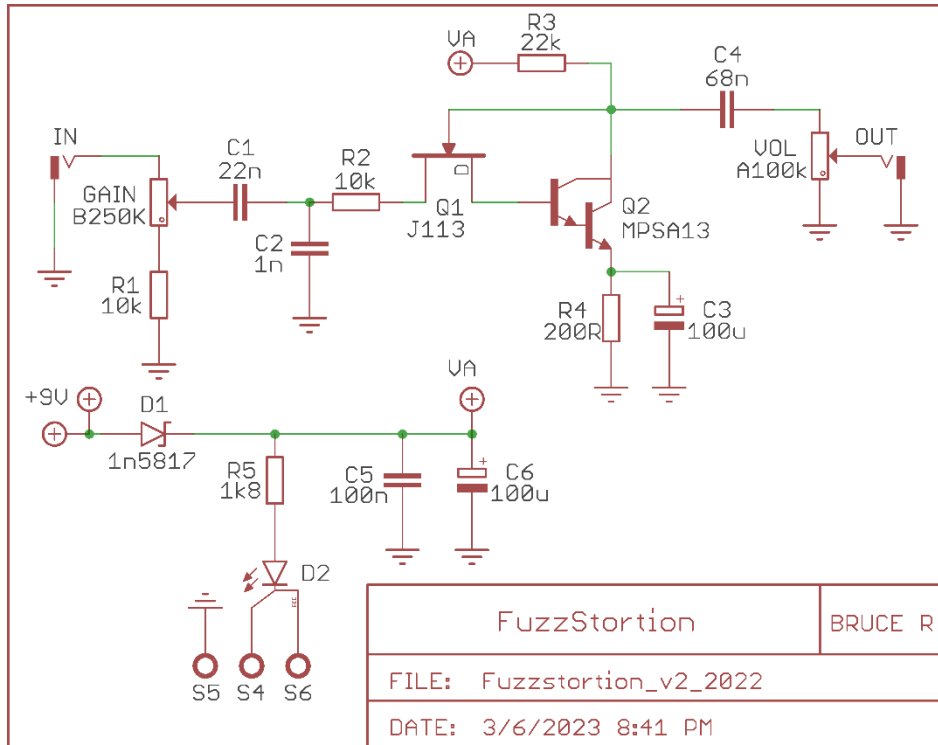
Part	Value	Part	Value	Part	Value
R1	10k	C1	22n	Q1	J113 or PF5102
R2	10k	C2	1n	Q2	MPSA13
R3	22k	C3	100u	D1	1N5817
R4	200R	C4	68n	D2	Status LED
R5	1k8	C5	100n	VOL	A100k
R6	100R	C6	100u	GAIN	B250K

STATUS LED

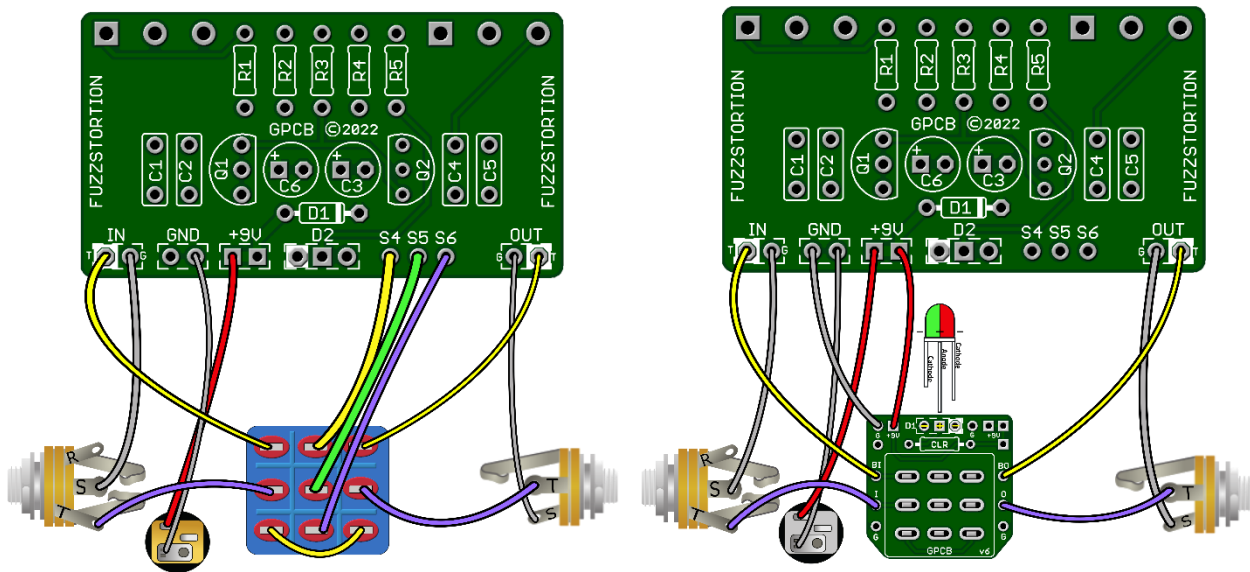
D2 is a Status LED that can use either Bi-Color Common Anode or a Standard On/Off LED. R5 is the CLR for the Status LED

New in this GuitarPCB v2 release:

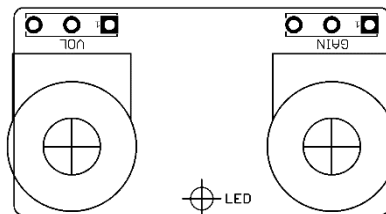
- New onboard potentiometer design.
- Large off-board wiring pads and additional cosmetic upgrades.
- Incorporated a 1N5817 protection diode



Wiring Diagram:



Drill Template





GuitarPCB Tip Sheet

Bi-color Common Anode LED example
Green = On Status and Red = Off Status

Try any of three different color sets
Red/Blue, Red/Green or Blue, Green

Short Lead = "On" status color
Medium Lead = "Off" status color
Long Lead = Common Anode +

Try our 3PDT Vari-Bright version w/
on-board Trimmer to adjust brightness

Standard On/Off Status LED
D1 Circle Pad connects to LED Cathode

- Green = Ground Pads (5)
- Red = +9v Power Pads (4)
- D1 = LED Pads
- CLR = Current Limiting Resistor
- BI = From Main Board IN
- BO = From Main Board OUT
- I = To Jack Tip IN
- O = To Jack Tip OUT

2.1mm Power Jack Type 1
(no battery lug)

GND Wire Lug (short) → TIP
+9v Wire Lug (long) → SLEEVE

Do not over-tighten (hand tight)

**GuitarPCB for any XYZ Company
Primary Circuit Board**

IN OUT

Ground Power

Stereo Jack (T-R-S) Mono Jack (T-S)

2.1mm Power Jack Type 2

+9v Wire
Battery
GND Wire

T = Tip
R = Ring
S = Sleeve

T = Tip
S = Sleeve

Multiple +9v and Ground Pads are convenient hookup points for additional circuits within the same enclosure. This also allows for diverse wiring schemes to suit individual needs.

Match Pot Lug number
to Board Silkscreen

Remove Locking Tab
from Potentiometer

Sockets make troubleshooting easier

When soldering wire to a PCB
push the protective PVC jacket
flush with the board and pad.

Main Board IN/OUT Pads

Extra Ground Pad

Audio Path to 3PDT

Input/Output Jack Wiring

T = Tip | R = Ring | S = Sleeve

A Stereo Jack is only needed if using a Battery. Otherwise use a Mono Jack

Battery Strap RED wire is connected to Battery Jack

Battery Strap Black wire is connected to RING (stereo jack)

If wiring an LED to our 3PDT Wiring Board then S4, S5 & S6 are not needed

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