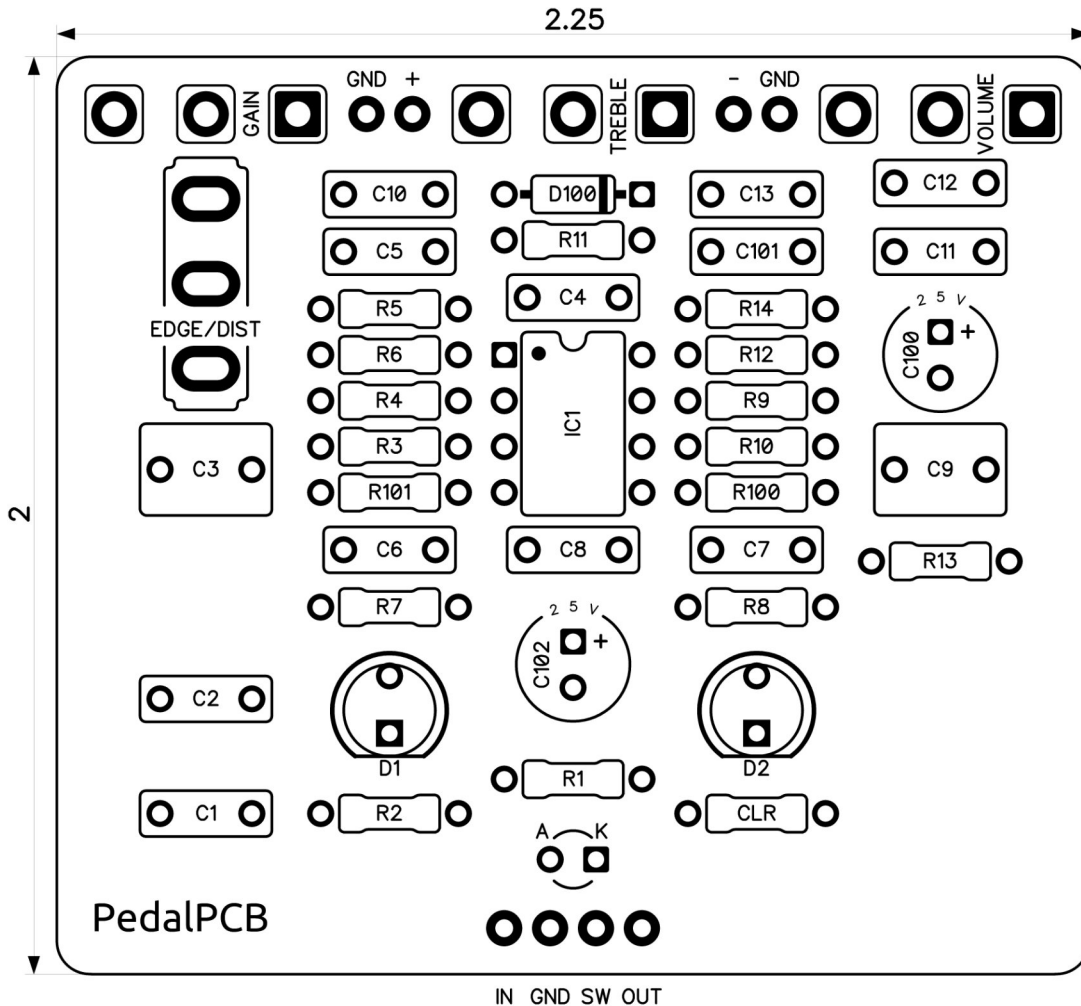


PedalPCB

Rock Star Distortion

Revised 5/7/23

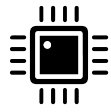


CONTROLS AND FEATURES

- Volume
- Treble
- Gain
- Edge/Distortion (Toggle switch)

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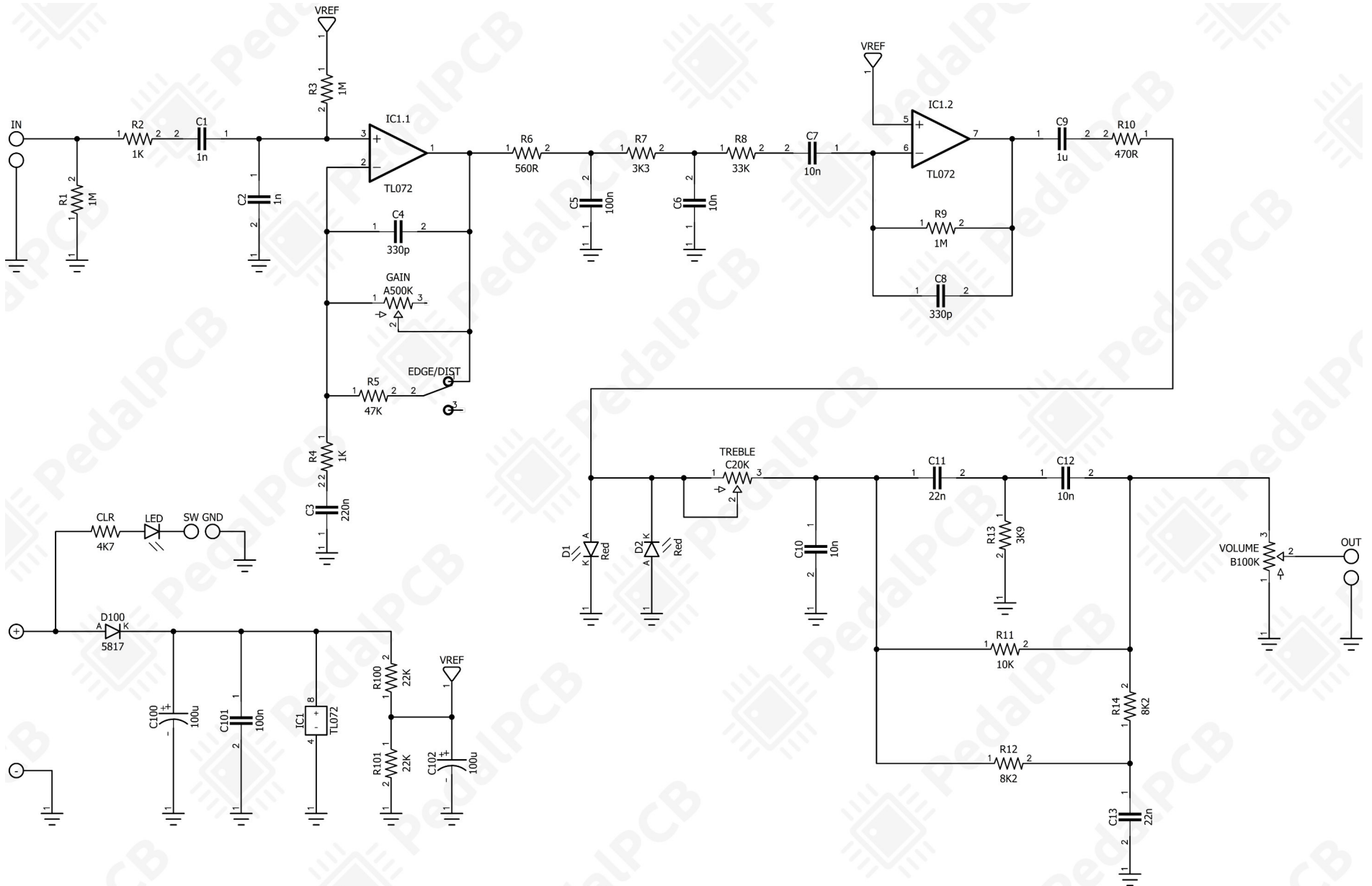
LOCATION	VALUE	TYPE	NOTES
R1	1M	Resistor, 1/4W	
R2	1K	Resistor, 1/4W	
R3	1M	Resistor, 1/4W	
R4	1K	Resistor, 1/4W	
R5	47K	Resistor, 1/4W	
R6	560R	Resistor, 1/4W	
R7	3K3	Resistor, 1/4W	
R8	33K	Resistor, 1/4W	
R9	1M	Resistor, 1/4W	
R10	470R	Resistor, 1/4W	
R11	10K	Resistor, 1/4W	
R12	8K2	Resistor, 1/4W	
R13	3K9	Resistor, 1/4W	
R14	8K2	Resistor, 1/4W	
R100	22K	Resistor, 1/4W	
R101	22K	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
C1	1n	Film capacitor, 7.2 x 2.5mm	
C2	1n	Film capacitor, 7.2 x 2.5mm	
C3	220n	Film capacitor, 7.2 x 5.0mm	
C4	330p	Ceramic capacitor	
C5	100n	Film capacitor, 7.2 x 2.5mm	
C6	10n	Film capacitor, 7.2 x 2.5mm	
C7	10n	Film capacitor, 7.2 x 2.5mm	
C8	330p	Ceramic capacitor	
C9	1u	Film capacitor, 7.2 x 5.0mm	
C10	10n	Film capacitor, 7.2 x 2.5mm	
C11	22n	Film capacitor, 7.2 x 2.5mm	
C12	10n	Film capacitor, 7.2 x 2.5mm	
C13	22n	Film capacitor, 7.2 x 2.5mm	
C100	100u	Electrolytic capacitor, 5mm	
C101	100n	Film capacitor, 7.2 x 2.5mm	
C102	100u	Electrolytic capacitor, 5mm	
D1	Red	3mm Red LED, Diffused	
D2	Red	3mm Red LED, Diffused	
D100	1N5817	Schottky diode, DO-41	
IC1	TL072	Dual op-amp, DIP8	
VOLUME	B100K	16mm right-angle PCB mount pot	
TREBLE	C20K	16mm right-angle PCB mount pot	
GAIN	A500K	16mm right-angle PCB mount pot	
EDGE/DIST	SPDT	Toggle switch, SPDT	2-position (ON/ON)

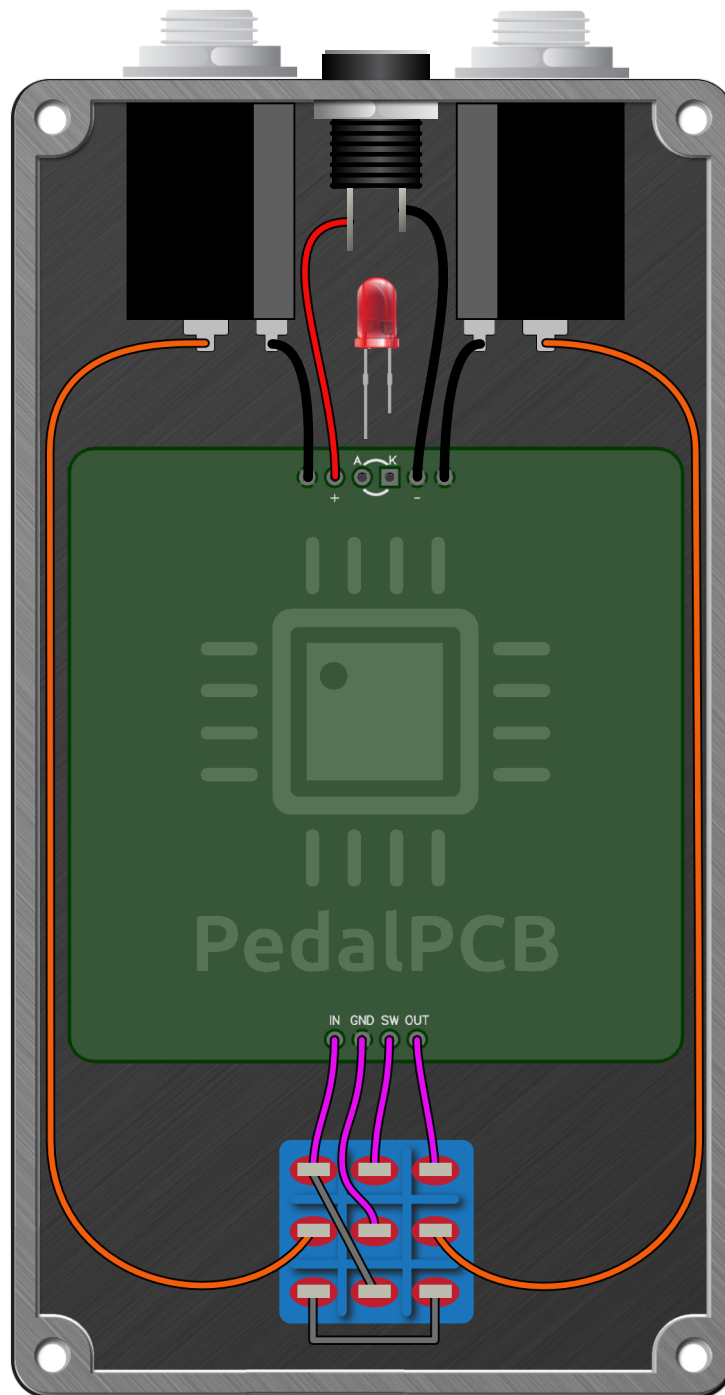


PedalPCB

Rock Star Distortion

Schematic Diagram





Rock Star Distortion

Drill Template
125B Enclosure

