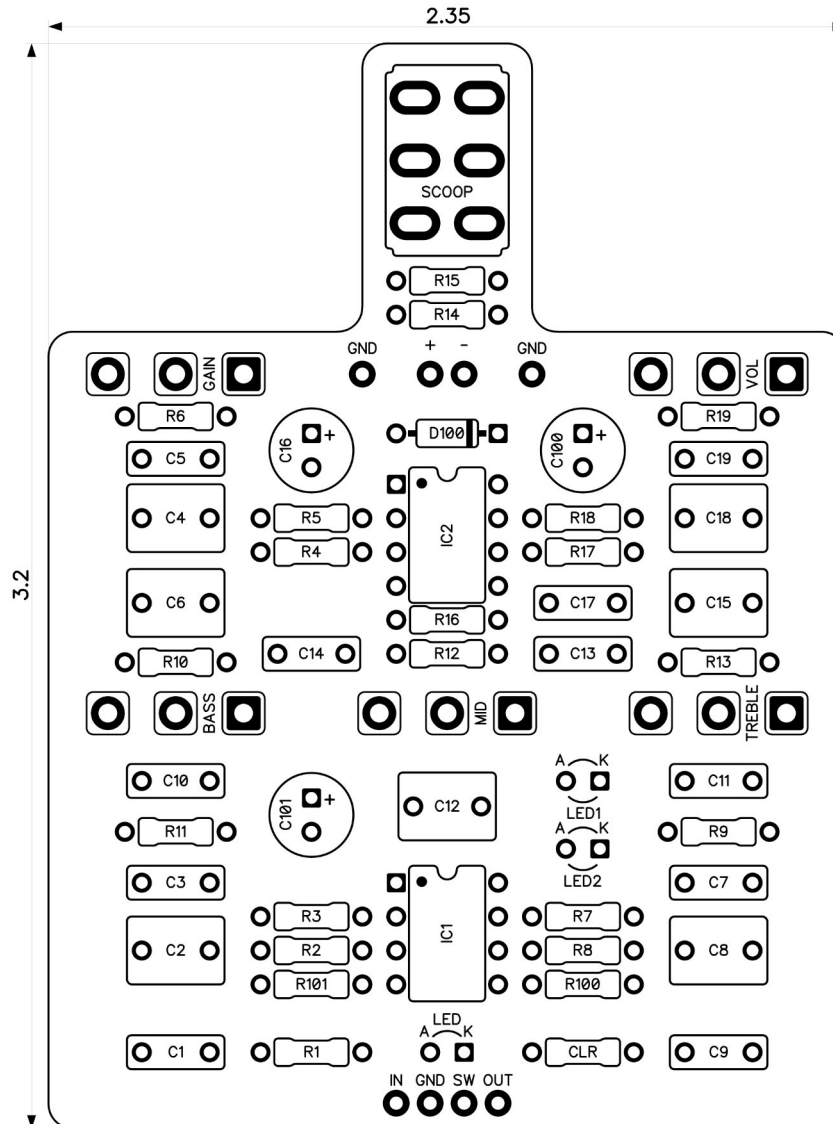


PedalPCB

Flank Distortion

Revised 7/7/25



CONTROLS AND FEATURES

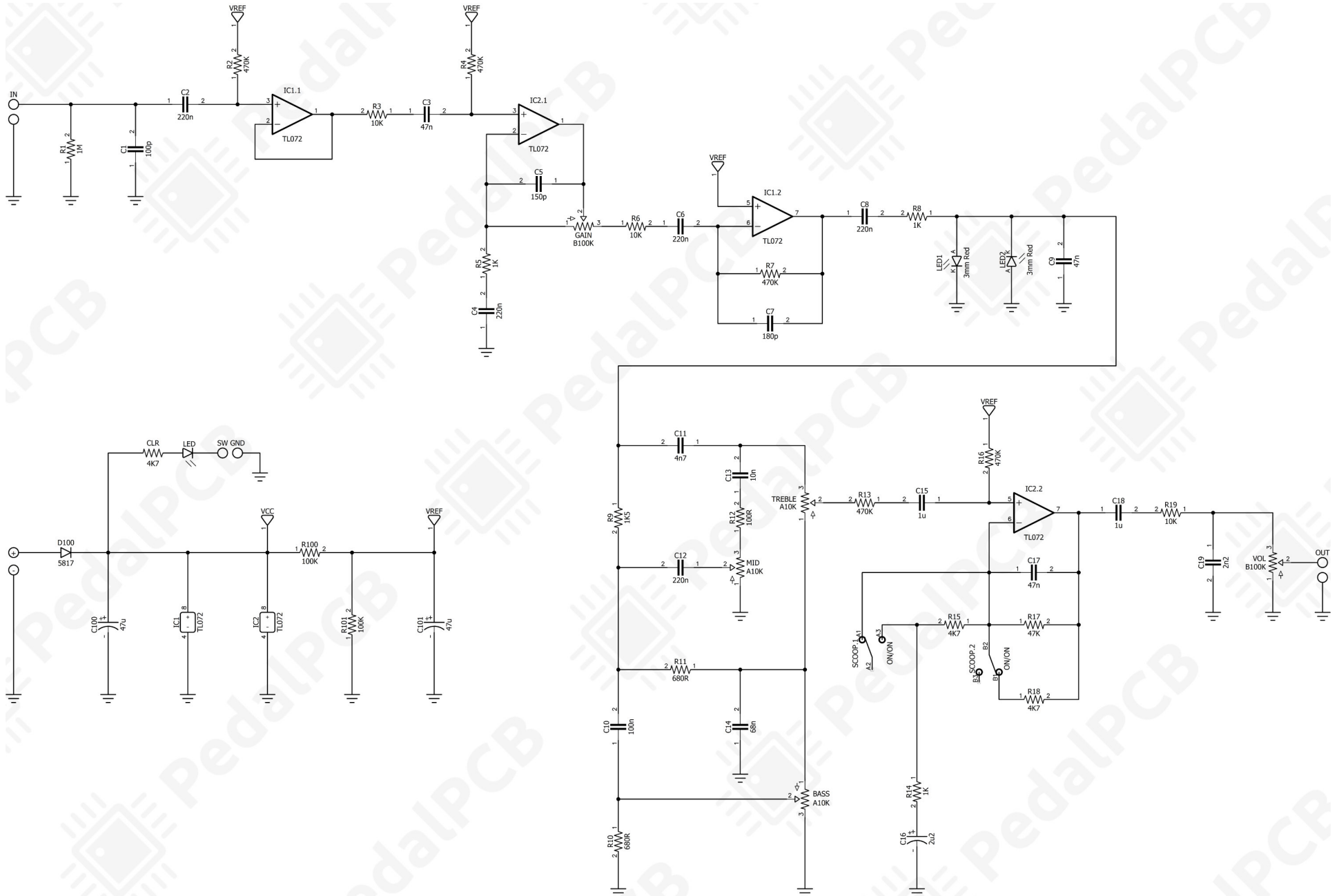
- Volume
- Gain
- Treble
- Mid
- Bass
- Flip (Toggle switch)

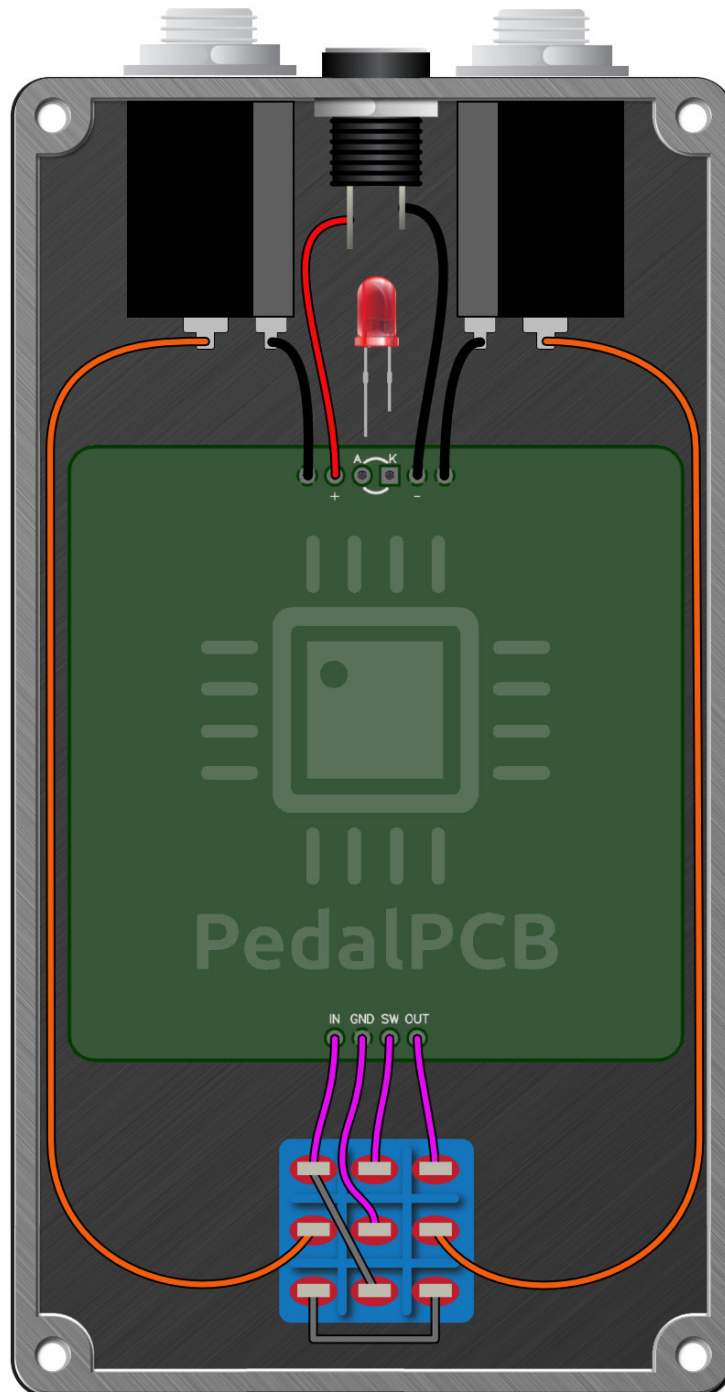
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LOCATION	VALUE	TYPE	NOTES
R1	1M	Resistor, 1/4W	
R2	470K	Resistor, 1/4W	
R3	10K	Resistor, 1/4W	
R4	470K	Resistor, 1/4W	
R5	1K	Resistor, 1/4W	
R6	10K	Resistor, 1/4W	
R7	470K	Resistor, 1/4W	
R8	1K	Resistor, 1/4W	
R9	1K5	Resistor, 1/4W	
R10	680R	Resistor, 1/4W	
R11	680R	Resistor, 1/4W	
R12	100R	Resistor, 1/4W	
R13	470K	Resistor, 1/4W	
R14	1K	Resistor, 1/4W	
R15	4K7	Resistor, 1/4W	
R16	470K	Resistor, 1/4W	
R17	47K	Resistor, 1/4W	
R18	4K7	Resistor, 1/4W	
R19	10K	Resistor, 1/4W	
R100	100K	Resistor, 1/4W	
R101	100K	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
C1	100p	Ceramic capacitor	
C2	220n	Film capacitor, 7.2 x 5.0mm	
C3	47n	Film capacitor, 7.2 x 2.5mm	
C4	220n	Film capacitor, 7.2 x 5.0mm	
C5	150p	Ceramic capacitor	
C6	220n	Film capacitor, 7.2 x 5.0mm	
C7	180p	Ceramic capacitor	
C8	220n	Film capacitor, 7.2 x 5.0mm	
C9	47n	Film capacitor, 7.2 x 2.5mm	
C10	100n	Film capacitor, 7.2 x 2.5mm	
C11	4n7	Film capacitor, 7.2 x 2.5mm	
C12	220n	Film capacitor, 7.2 x 5.0mm	
C13	10n	Film capacitor, 7.2 x 2.5mm	
C14	68n	Film capacitor, 7.2 x 2.5mm	
C15	1u	Film capacitor, 7.2 x 5.0mm	
C16	2u2	Electrolytic capacitor, 5mm	
C17	47n	Film capacitor, 7.2 x 2.5mm	
C18	1u	Film capacitor, 7.2 x 5.0mm	
C19	2n2	Film capacitor, 7.2 x 2.5mm	
C100	47u	Electrolytic capacitor, 5mm	
C101	47u	Electrolytic capacitor, 5mm	
D100	1N5817	Schottky diode, DO-41	
LED1	3mm Red	3mm Red LED, Diffused	
LED2	3mm Red	3mm Red LED, Diffused	
IC1	TL072	Dual op-amp, DIP8	
IC2	TL072	Dual op-amp, DIP8	
SCOOP	ON/ON	Toggle switch, DPDT	2-position (ON/ON)
VOL	B100K	16mm right-angle PCB mount pot	
GAIN	B100K	16mm right-angle PCB mount pot	
TREBLE	A10K	16mm right-angle PCB mount pot	
MID	A10K	16mm right-angle PCB mount pot	
BASS	A10K	16mm right-angle PCB mount pot	

Flank Distortion

Schematic Diagram





Flank Distortion

Drill Template
125B Enclosure

