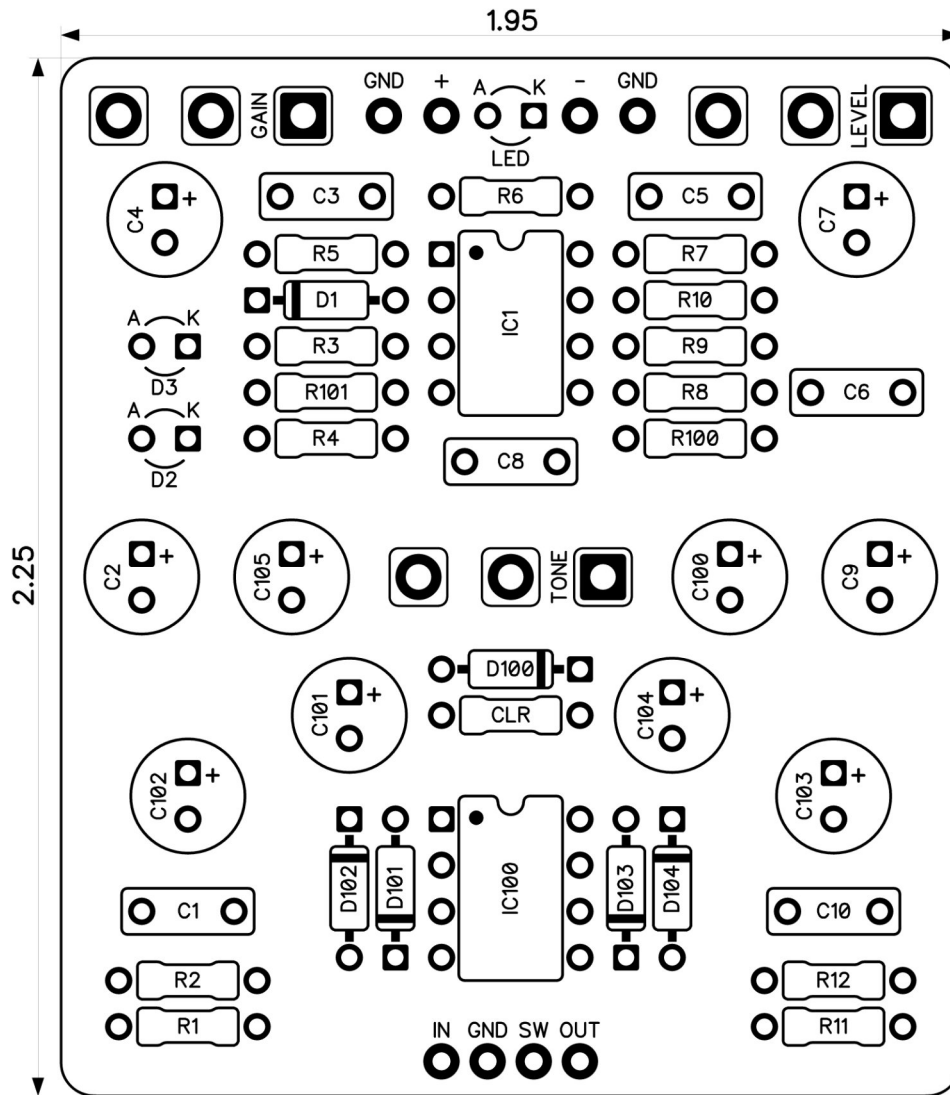


PedalPCB

Motorizer Bass Distortion

Revised 11/26/25



CONTROLS AND FEATURES

- Level
- Tone
- Gain

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LOCATION	VALUE	TYPE	NOTES
R1	1M	Resistor, 1/4W	
R2	10K	Resistor, 1/4W	
R3	470K	Resistor, 1/4W	
R4	100R	Resistor, 1/4W	
R5	2K2	Resistor, 1/4W	
R6	10K	Resistor, 1/4W	
R7	51R	Resistor, 1/4W	
R8	1M	Resistor, 1/4W	
R9	2K2	Resistor, 1/4W	
R10	10K	Resistor, 1/4W	
R11	10K	Resistor, 1/4W	
R12	10K	Resistor, 1/4W	
R100	10K	Resistor, 1/4W	
R101	10K	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
C1	100n	Film capacitor, 7.2 x 2.5mm	
C2	2u2	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
C3	2n2	Film capacitor, 7.2 x 2.5mm	
C4	1u	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
C5	3n3	Film capacitor, 7.2 x 2.5mm	
C6	100n	Film capacitor, 7.2 x 2.5mm	
C7	1u	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
C8	100n	Film capacitor, 7.2 x 2.5mm	
C9	2u2	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
C10	10n	Film capacitor, 7.2 x 2.5mm	
C100	100u	Electrolytic capacitor, 5mm	
C101	10u	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
C102	10u	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
C103	10u	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
C104	10u	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
C105	47u	Electrolytic capacitor, 5mm	⚡ 25V Minimum Voltage
D1	1N4148	Signal diode, DO-35	
D2	Red 3mm	3mm Red LED, Diffused	
D3	Red 3mm	3mm Red LED, Diffused	
D100	1N5817	Schottky diode, DO-41	
D101	1N4148	Signal diode, DO-35	
D102	1N4148	Signal diode, DO-35	
D103	1N4148	Signal diode, DO-35	
D104	1N4148	Signal diode, DO-35	
IC1	TL072	Dual op-amp, DIP8	
IC100	7660SCPAZ	Charge pump IC, DIP8	
LEVEL	A100K	16mm right-angle PCB mount pot	
TONE	A10K	16mm right-angle PCB mount pot	
GAIN	A100K	16mm right-angle PCB mount pot	



Motorizer Bass Distortion

Schematic Diagram

