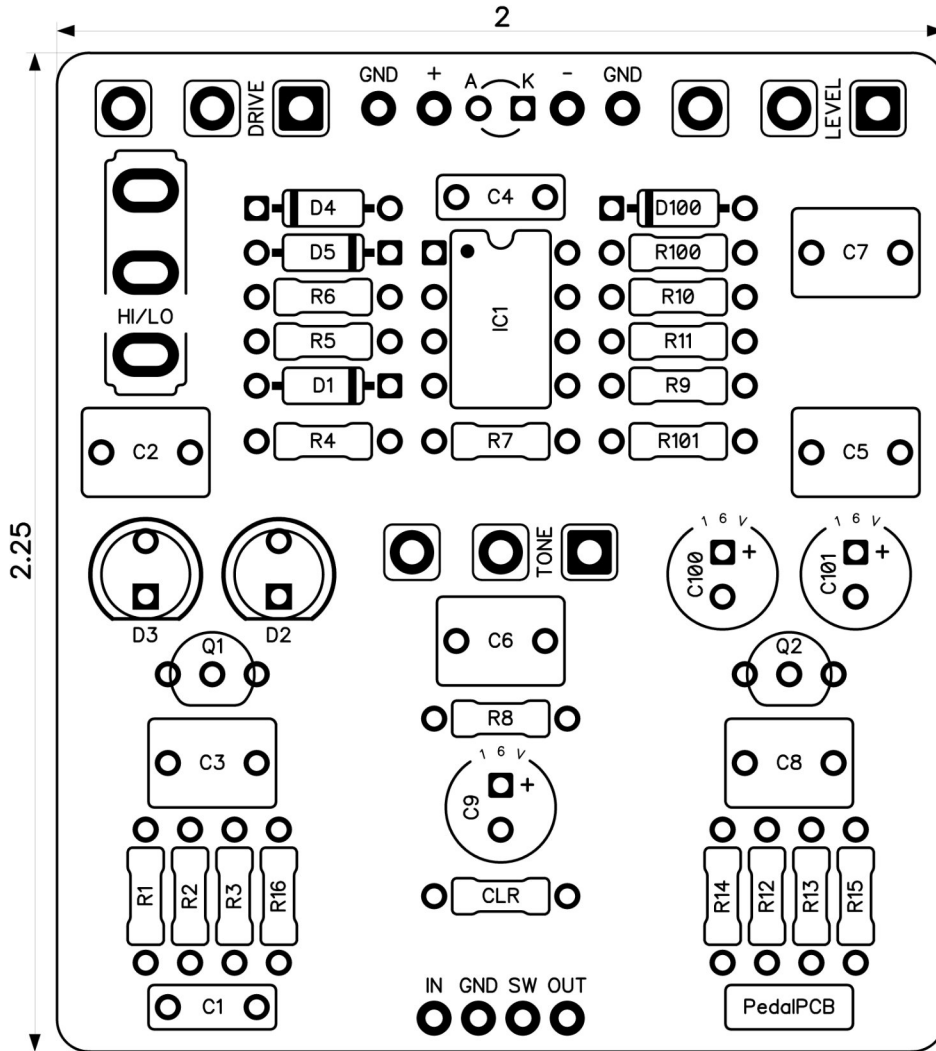


PedalPCB

Mastema Overdrive

Revised 5/7/23

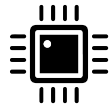


CONTROLS AND FEATURES

- Level
- Tone
- Drive
- Hi / Low (Toggle switch)

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LOCATION	VALUE	TYPE	NOTES
R1	931R	Resistor, 1/4W	
R2	510K	Resistor, 1/4W	
R3	10K	Resistor, 1/4W	
R4	1K	Resistor, 1/4W	
R5	10K	Resistor, 1/4W	
R6	10K	Resistor, 1/4W	
R7	931R	Resistor, 1/4W	
R8	160R	Resistor, 1/4W	
R9	10K	Resistor, 1/4W	
R10	931R	Resistor, 1/4W	
R11	931R	Resistor, 1/4W	
R12	510K	Resistor, 1/4W	
R13	10K	Resistor, 1/4W	
R14	100R	Resistor, 1/4W	
R15	10K	Resistor, 1/4W	
R16	1M	Resistor, 1/4W	
R100	7K87	Resistor, 1/4W	
R101	9K31	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
C1	100n	Film capacitor, 7.2 x 2.5mm	
C2	220n	Film capacitor, 7.2 x 5.0mm	
C3	1u	Film capacitor, 7.2 x 5.0mm	
C4	51p	Ceramic capacitor	
C5	220n	Film capacitor, 7.2 x 5.0mm	
C6	220n	Film capacitor, 7.2 x 5.0mm	
C7	1u	Film capacitor, 7.2 x 5.0mm	
C8	100n	Film capacitor, 7.2 x 2.5mm	
C9	10u	Electrolytic capacitor, 5mm	
C100	100u	Electrolytic capacitor, 5mm	
C101	47u	Electrolytic capacitor, 5mm	
D1	1N4148	Signal diode, DO-35	
D2	Red	5mm Red LED, Diffused	
D3	Red	5mm Red LED, Diffused	
D4	1N4148	Signal diode, DO-35	
D5	1N4148	Signal diode, DO-35	
D100	1N5817	Schottky diode, DO-41	
Q1	BC549C	BJT transistor, NPN TO-92	
Q2	BC549C	BJT transistor, NPN TO-92	
IC1	JRC4558DD	Dual op-amp, DIP8	
HI/LO	ON/OFF/ON	Toggle switch, SPDT	3-position (ON/OFF/ON)
LEVEL	A100K	16mm right-angle PCB mount pot	
TONE	W20K	16mm right-angle PCB mount pot	
DRIVE	A1M	16mm right-angle PCB mount pot	



PedalPCB

Mastema Overdrive

Schematic Diagram

