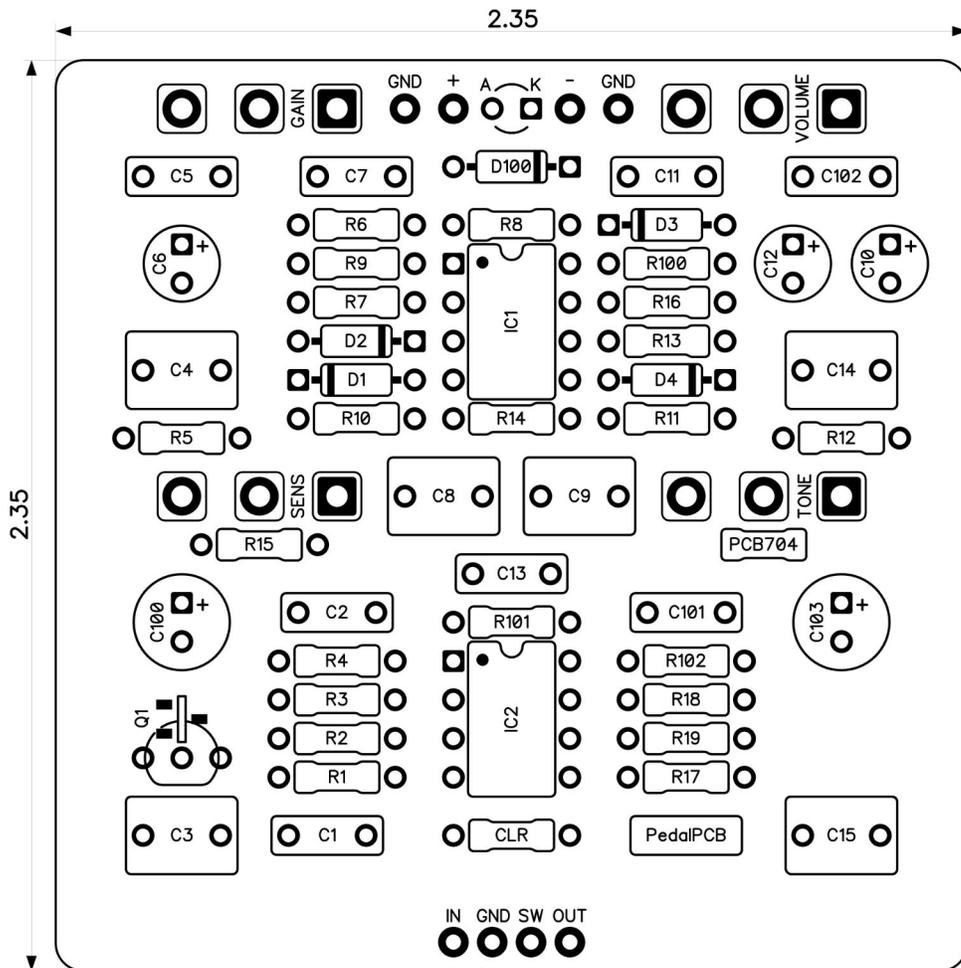


PedalPCB

Eight Ball Overdrive

Revised 5/31/25



CONTROLS AND FEATURES

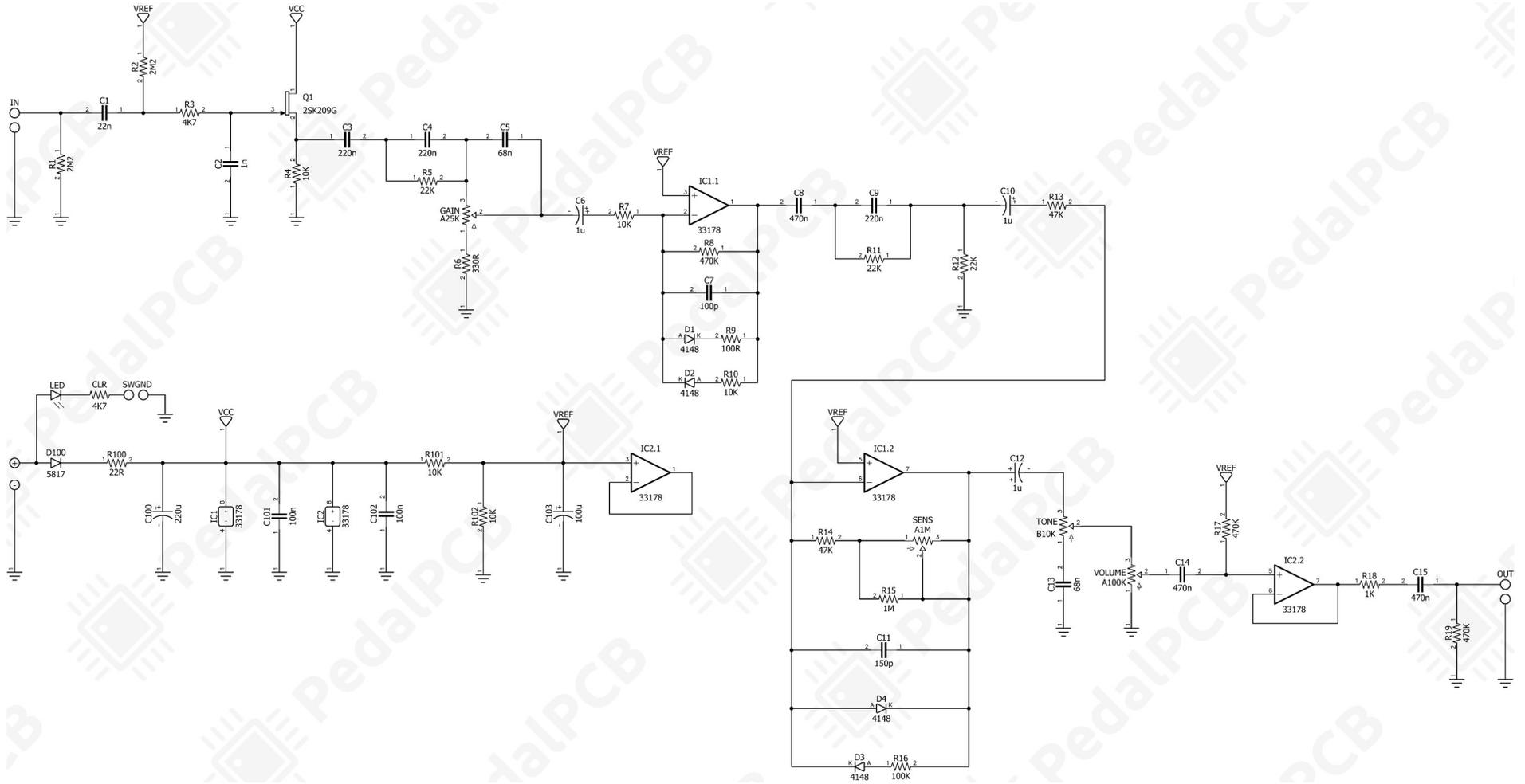
- Volume
- Gain
- Tone
- Sensitivity

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LOCATION	VALUE	TYPE	NOTES
R1	2M2	Resistor, 1/4W	
R2	2M2	Resistor, 1/4W	
R3	4K7	Resistor, 1/4W	
R4	10K	Resistor, 1/4W	
R5	22K	Resistor, 1/4W	
R6	330R	Resistor, 1/4W	
R7	10K	Resistor, 1/4W	
R8	470K	Resistor, 1/4W	
R9	100R	Resistor, 1/4W	
R10	10K	Resistor, 1/4W	
R11	22K	Resistor, 1/4W	
R12	22K	Resistor, 1/4W	
R13	47K	Resistor, 1/4W	
R14	47K	Resistor, 1/4W	
R15	1M	Resistor, 1/4W	
R16	100K	Resistor, 1/4W	
R17	470K	Resistor, 1/4W	
R18	1K	Resistor, 1/4W	
R19	470K	Resistor, 1/4W	
R100	22R	Resistor, 1/4W	
R101	10K	Resistor, 1/4W	
R102	10K	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
C1	22n	Film capacitor, 7.2 x 2.5mm	
C2	1n	Film capacitor, 7.2 x 2.5mm	
C3	220n	Film capacitor, 7.2 x 5mm	
C4	220n	Film capacitor, 7.2 x 5mm	
C5	68n	Film capacitor, 7.2 x 2.5mm	
C6	1u	Electrolytic capacitor, 5mm	
C7	100p	Ceramic capacitor	
C8	470n	Film capacitor, 7.2 x 5mm	
C9	220n	Film capacitor, 7.2 x 5mm	
C10	1u	Electrolytic capacitor, 5mm	
C11	150p	Ceramic capacitor	
C12	1u	Electrolytic capacitor, 5mm	
C13	68n	Film capacitor, 7.2 x 2.5mm	
C14	470n	Film capacitor, 7.2 x 5mm	
C15	470n	Film capacitor, 7.2 x 5mm	
C100	220u	Electrolytic capacitor, 5mm	
C101	100n	Film capacitor, 7.2 x 2.5mm	
C102	100n	Film capacitor, 7.2 x 2.5mm	
C103	100u	Electrolytic capacitor, 5mm	
D1	1N4148	Signal diode, DO-35	
D2	1N4148	Signal diode, DO-35	
D3	1N4148	Signal diode, DO-35	
D4	1N4148	Signal diode, DO-35	
D100	1N5817	Schottky diode, DO-41	
Q1	2SK209G	JFET transistor, N-channel	
IC1	MC33178	Dual op-amp, DIP8	
IC2	MC33178	Dual op-amp, DIP8	
VOLUME	A100K	16mm right-angle PCB mount pot	
GAIN	A25K	16mm right-angle PCB mount pot	
TONE	B10K	16mm right-angle PCB mount pot	
SENS	A1M	16mm right-angle PCB mount pot	

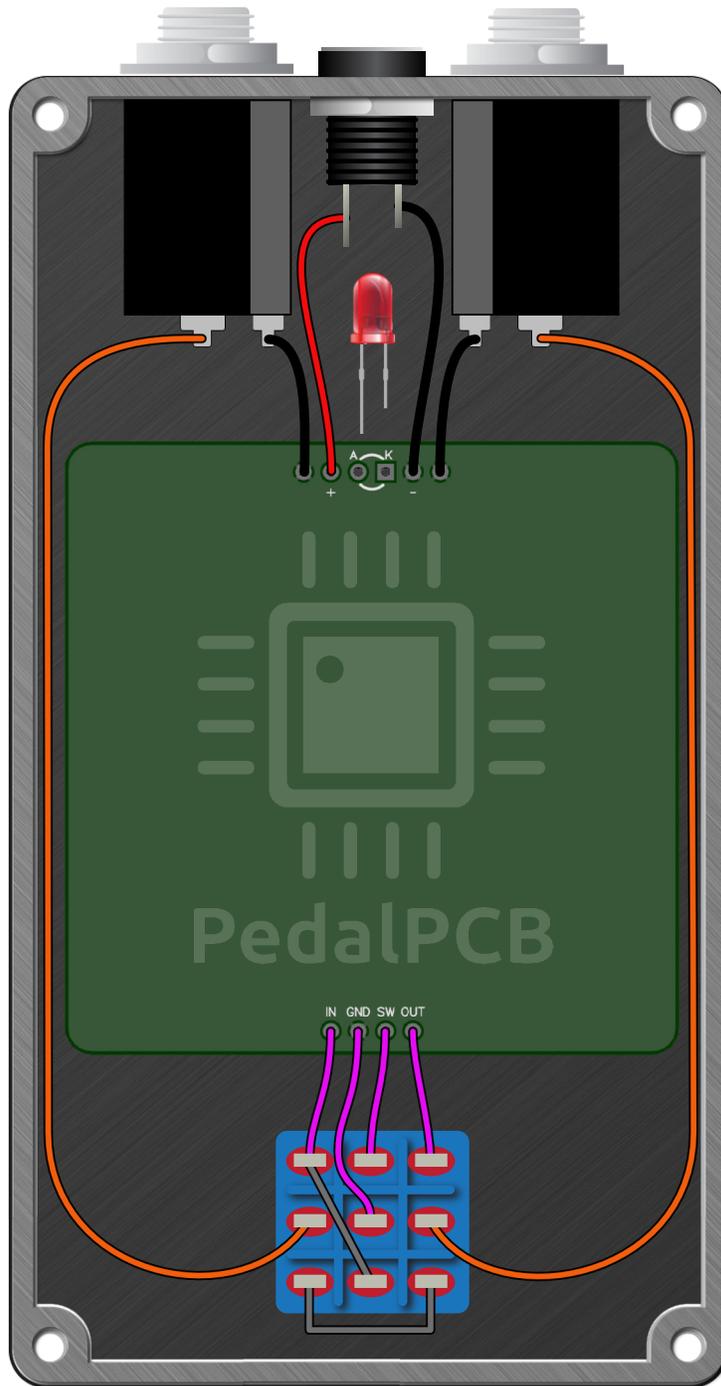
Eight Ball Overdrive

Schematic Diagram



Eight Ball Overdrive

Wiring Diagram



Eight Ball Overdrive

Drill Template
125B Enclosure

