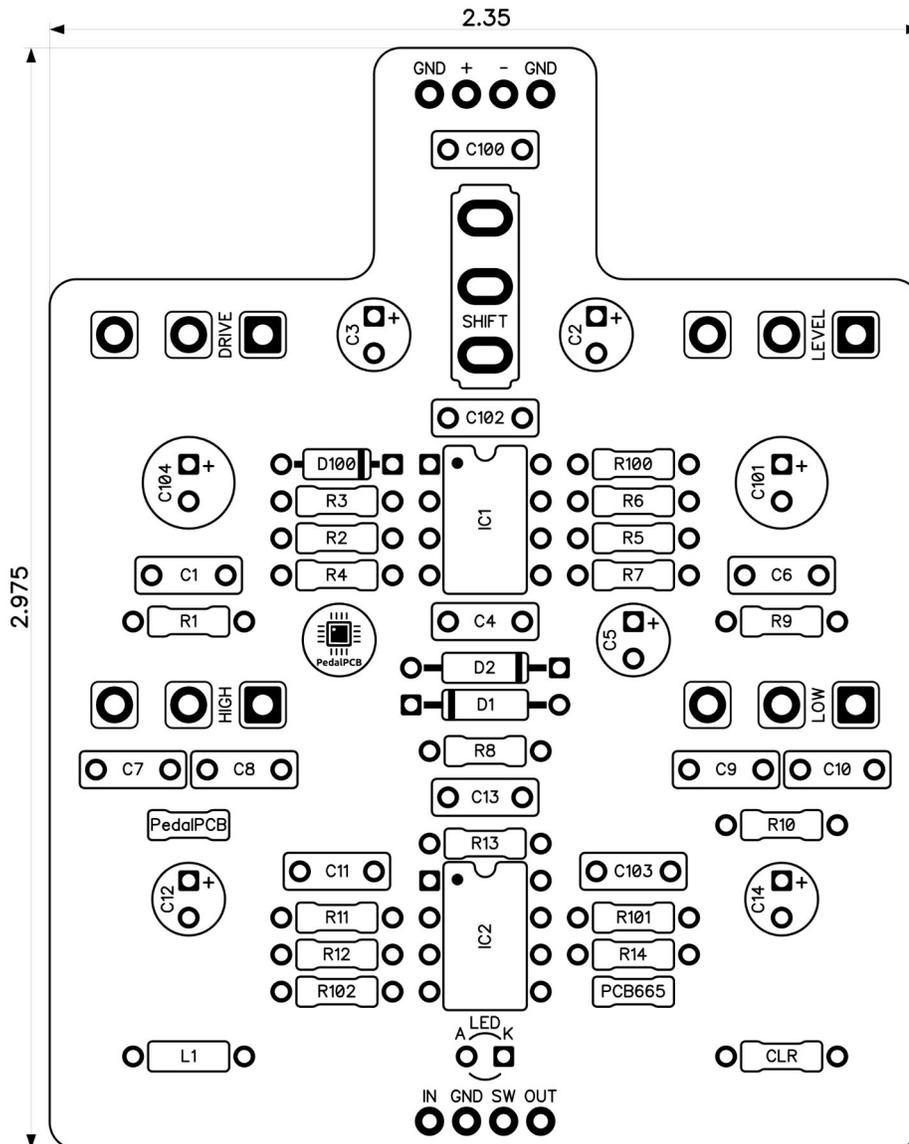


PedalPCB

Scabbard Overdrive

Revised 1/3/25



CONTROLS AND FEATURES

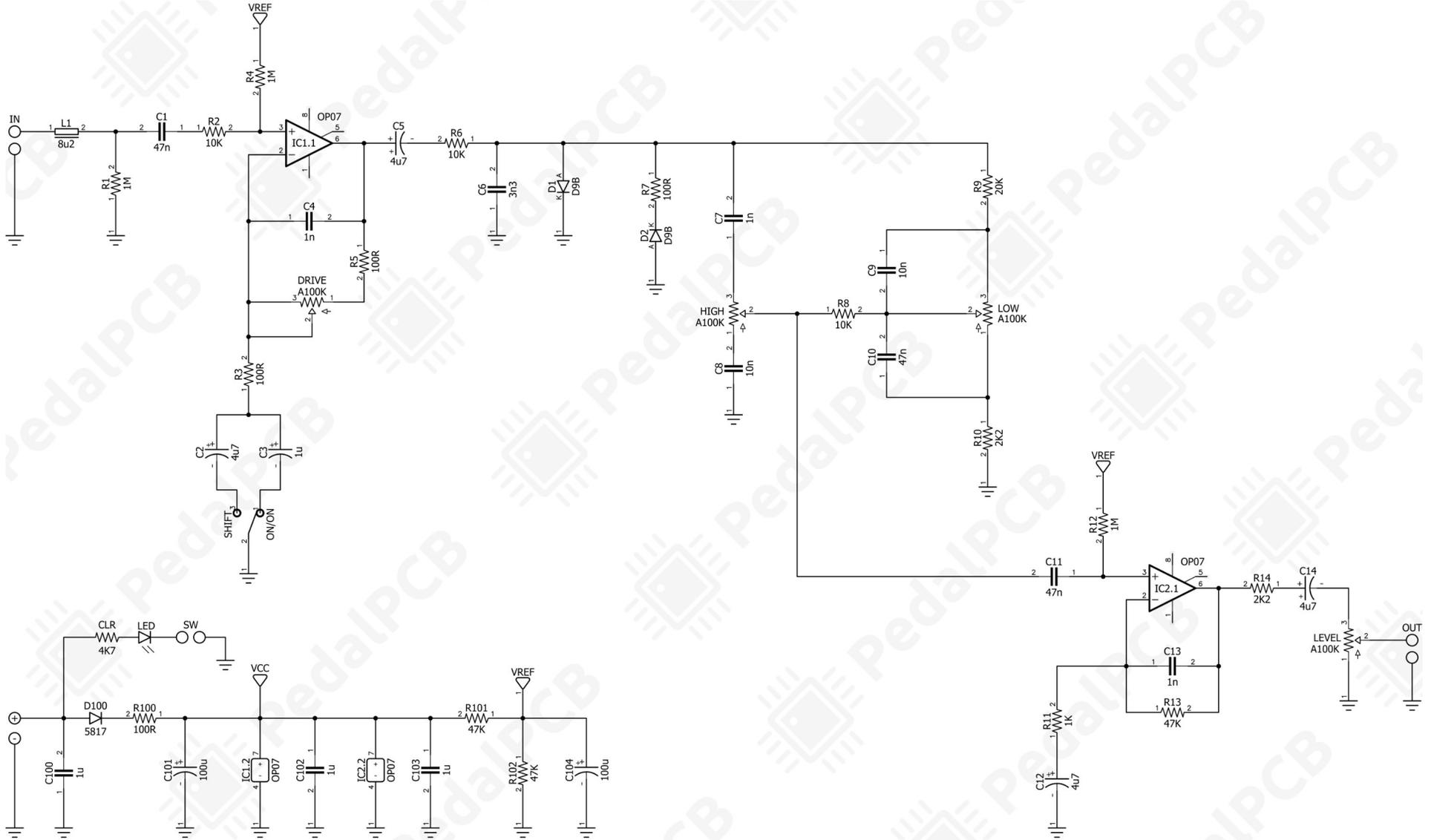
- Level
- Drive
- Low
- High
- Shift (Toggle switch)

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LOCATION	VALUE	TYPE	NOTES
R1	1M	Resistor, 1/4W	
R2	10K	Resistor, 1/4W	
R3	100R	Resistor, 1/4W	
R4	1M	Resistor, 1/4W	
R5	100R	Resistor, 1/4W	
R6	10K	Resistor, 1/4W	
R7	100R	Resistor, 1/4W	
R8	10K	Resistor, 1/4W	
R9	20K	Resistor, 1/4W	
R10	2K2	Resistor, 1/4W	
R11	1K	Resistor, 1/4W	
R12	1M	Resistor, 1/4W	
R13	47K	Resistor, 1/4W	
R14	2K2	Resistor, 1/4W	
R100	100R	Resistor, 1/4W	
R101	47K	Resistor, 1/4W	
R102	47K	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
C1	47n	Film capacitor, 7.2 x 2.5mm	
C2	4u7	Electrolytic capacitor, 5mm	
C3	1u	Ceramic capacitor, MLCC	
C4	1n	Film capacitor, 7.2 x 2.5mm	
C5	4u7	Electrolytic capacitor, 6.3mm	
C6	3n3	Film capacitor, 7.2 x 2.5mm	
C7	1n	Film capacitor, 7.2 x 2.5mm	
C8	10n	Film capacitor, 7.2 x 2.5mm	
C9	10n	Film capacitor, 7.2 x 2.5mm	
C10	47n	Film capacitor, 7.2 x 2.5mm	
C11	47n	Film capacitor, 7.2 x 2.5mm	
C12	4u7	Electrolytic capacitor, 5mm	
C13	1n	Film capacitor, 7.2 x 2.5mm	
C14	4u7	Electrolytic capacitor, 5mm	
C100	1u	Ceramic capacitor, MLCC	
C101	100u	Electrolytic capacitor, 6.3mm	
C102	1u	Ceramic capacitor, MLCC	
C103	1u	Ceramic capacitor, MLCC	
C104	100u	Electrolytic capacitor, 6.3mm	
L1	8u2	Inductor, axial	
D1	D9B	Germanium diode	
D2	D9B	Germanium diode	
D100	1N5817	Schottky diode, DO-41	
IC1	OP07	Single op-amp, DIP8	
IC2	OP07	Single op-amp, DIP8	
SHIFT	ON/ON	Toggle switch, SPDT	2-position (ON/ON)
LEVEL	A100K	16mm right-angle PCB mount pot	
DRIVE	A100K	16mm right-angle PCB mount pot	
LOW	A100K	16mm right-angle PCB mount pot	
HIGH	A100K	16mm right-angle PCB mount pot	

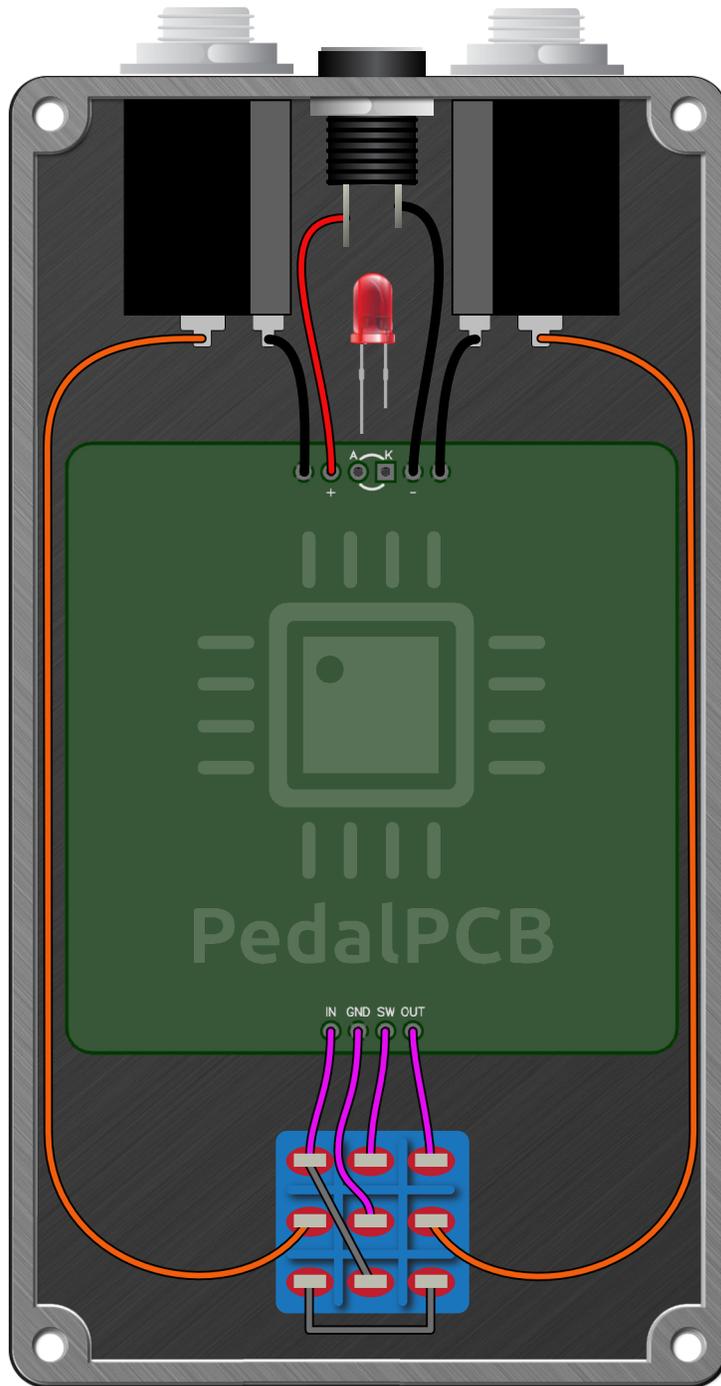
Scabbard Overdrive

Schematic Diagram



Scabbard Overdrive

Wiring Diagram



Scabbard Overdrive

Drill Template
125B Enclosure

