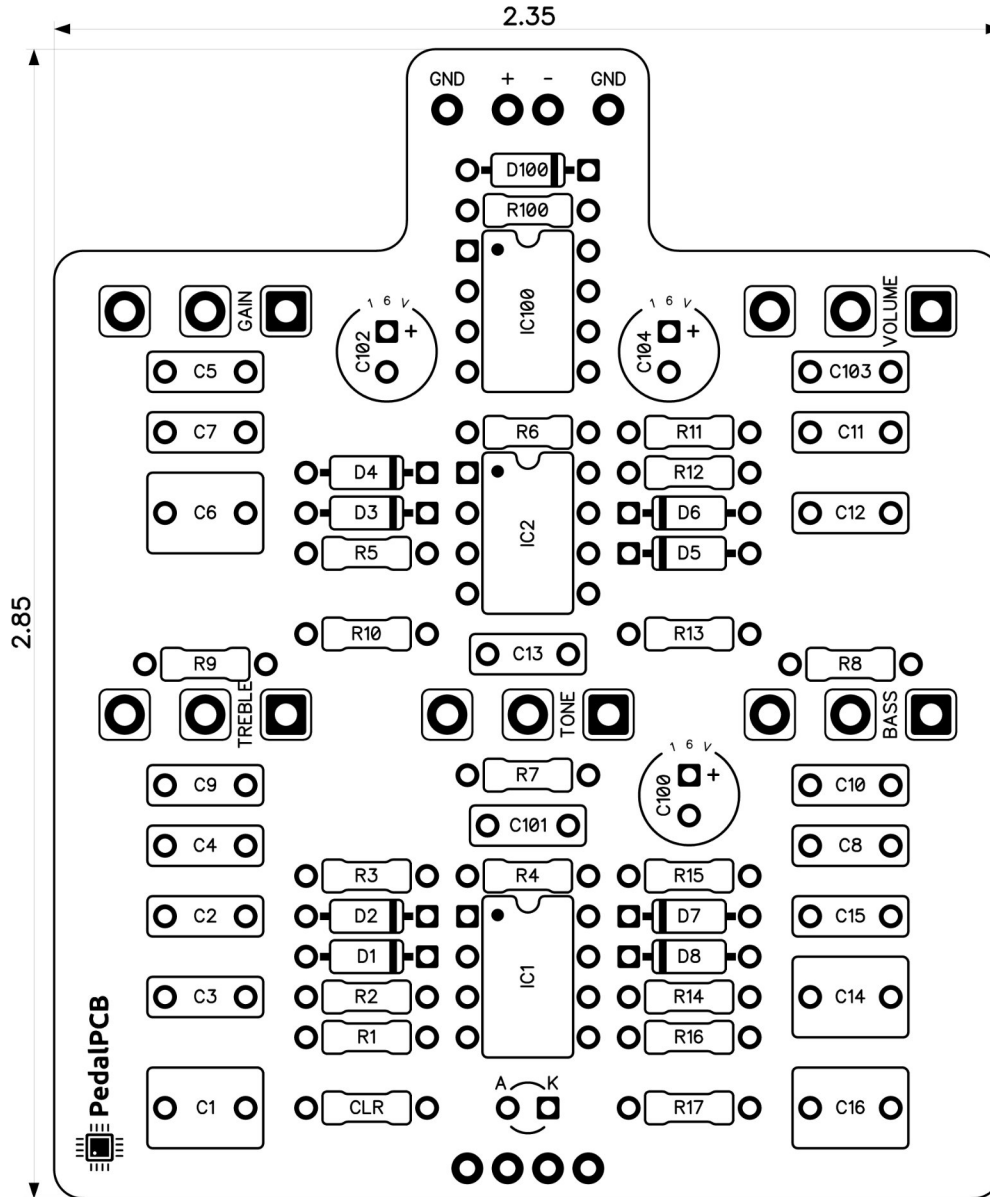


PedalPCB

Cobbler Preamp

Revised 5/7/23

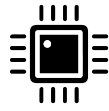


CONTROLS AND FEATURES

- Volume
- Gain
- Bass
- Tone
- Treble

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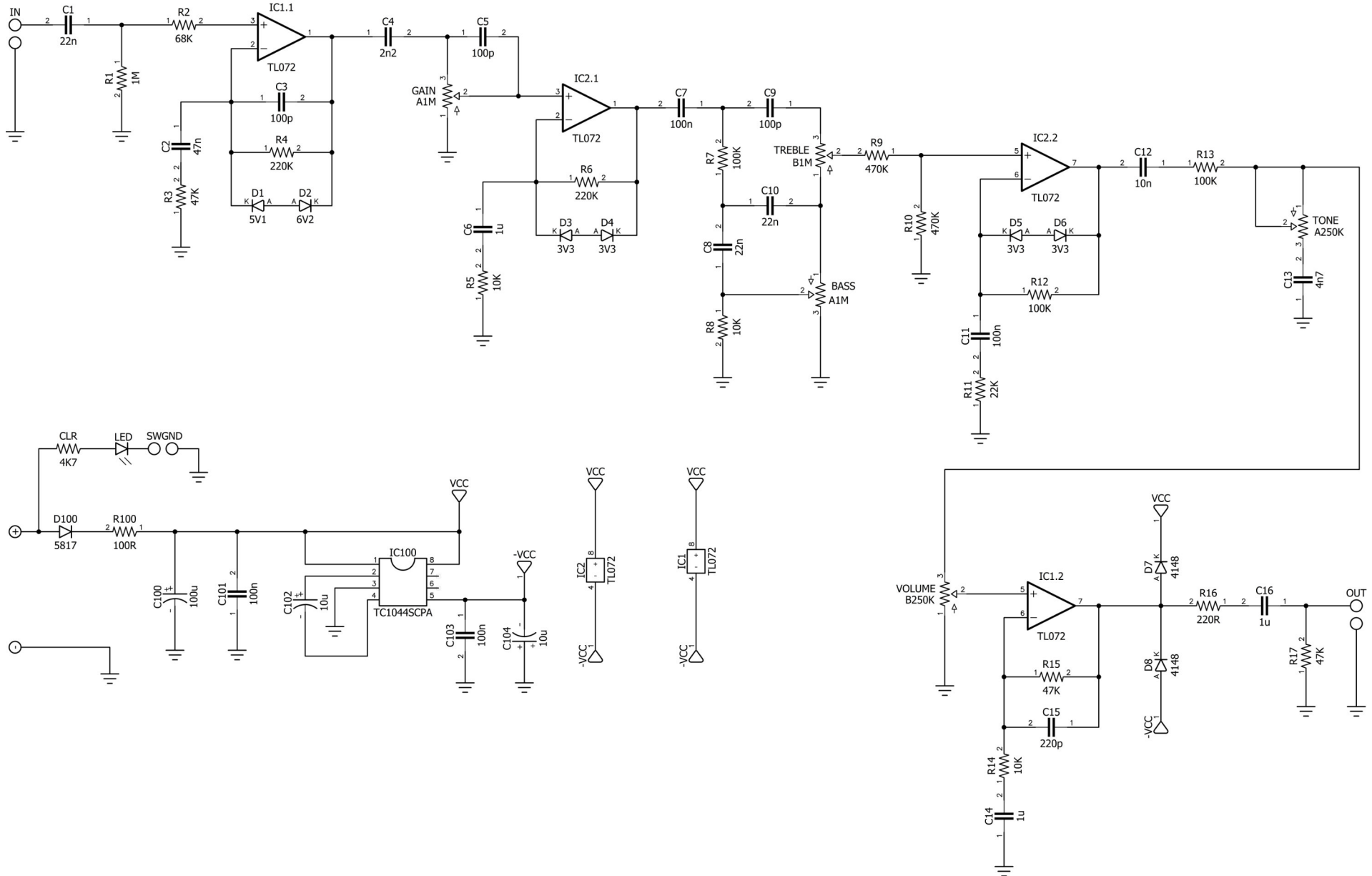
LOCATION	VALUE	TYPE	NOTES
R1	1M	Resistor, 1/4W	
R2	68K	Resistor, 1/4W	
R3	47K	Resistor, 1/4W	
R4	220K	Resistor, 1/4W	
R5	10K	Resistor, 1/4W	
R6	220K	Resistor, 1/4W	
R7	100K	Resistor, 1/4W	
R8	10K	Resistor, 1/4W	
R9	470K	Resistor, 1/4W	
R10	470K	Resistor, 1/4W	
R11	22K	Resistor, 1/4W	
R12	100K	Resistor, 1/4W	
R13	100K	Resistor, 1/4W	
R14	10K	Resistor, 1/4W	
R15	47K	Resistor, 1/4W	
R16	220R	Resistor, 1/4W	
R17	47K	Resistor, 1/4W	
R100	100R	Resistor, 1/4W	* LED current limiting resistor
CLR	4K7	Resistor, 1/4W	
C1	22n	Film capacitor, 7.2 x 2.5mm	
C2	47n	Film capacitor, 7.2 x 2.5mm	
C3	100p	Ceramic capacitor	
C4	2n2	Film capacitor, 7.2 x 2.5mm	
C5	100p	Ceramic capacitor	
C6	1u	Film capacitor, 7.2 x 5.0mm	
C7	100n	Film capacitor, 7.2 x 2.5mm	
C8	22n	Film capacitor, 7.2 x 2.5mm	
C9	100p	Ceramic capacitor	
C10	22n	Film capacitor, 7.2 x 2.5mm	
C11	100n	Film capacitor, 7.2 x 2.5mm	
C12	10n	Film capacitor, 7.2 x 2.5mm	
C13	4n7	Film capacitor, 7.2 x 2.5mm	
C14	1u	Film capacitor, 7.2 x 5.0mm	
C15	220p	Ceramic capacitor	
C16	1u	Film capacitor, 7.2 x 5.0mm	
C100	100u	Electrolytic capacitor, 6.3mm	
C101	100n	Film capacitor, 7.2 x 2.5mm	
C102	10u	Electrolytic capacitor, 6.3mm	
C103	100n	Film capacitor, 7.2 x 2.5mm	
C104	10u	Electrolytic capacitor, 6.3mm	
D1	5V1	Zener diode, 5.1V 1/2W	BZX55C5V1
D2	6V2	Zener diode, 6.2V 1/2W	BZX55C6V2
D3	3V3	Zener diode, 3.3V 1/2W	BZX55C3V3
D4	3V3	Zener diode, 3.3V 1/2W	BZX55C3V3
D5	3V3	Zener diode, 3.3V 1/2W	BZX55C3V3
D6	3V3	Zener diode, 3.3V 1/2W	BZX55C3V3
D7	1N4148	Signal diode, DO-35	
D8	1N4148	Signal diode, DO-35	
D100	5817	Schottky diode, DO-41	
IC1	TL072	Dual op-amp, DIP8	
IC2	TL072	Dual op-amp, DIP8	
IC100	TC1044SCPA	Charge pump IC, DIP8	
VOLUME	B250K	16mm right-angle PCB mount pot	
GAIN	A1M	16mm right-angle PCB mount pot	
BASS	A1M	16mm right-angle PCB mount pot	
TONE	A250K	16mm right-angle PCB mount pot	
TREBLE	B1M	16mm right-angle PCB mount pot	



PedalPCB

Cobbler Preamp

Schematic Diagram





Wiring Diagram

Cobbler Preamp

Drill Template
125B Enclosure

