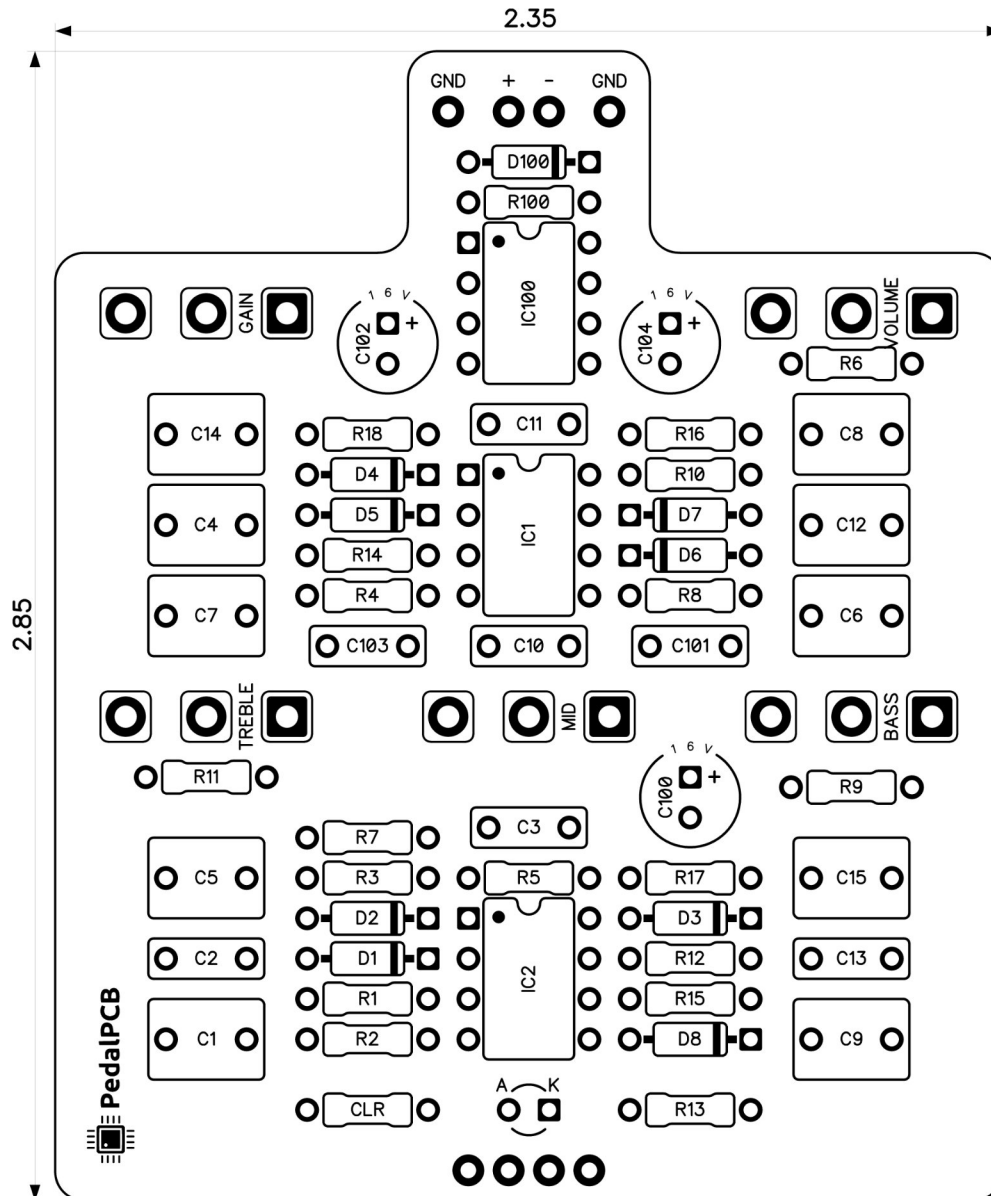




Doxie Preamp

Revised 5/7/23



CONTROLS AND FEATURES

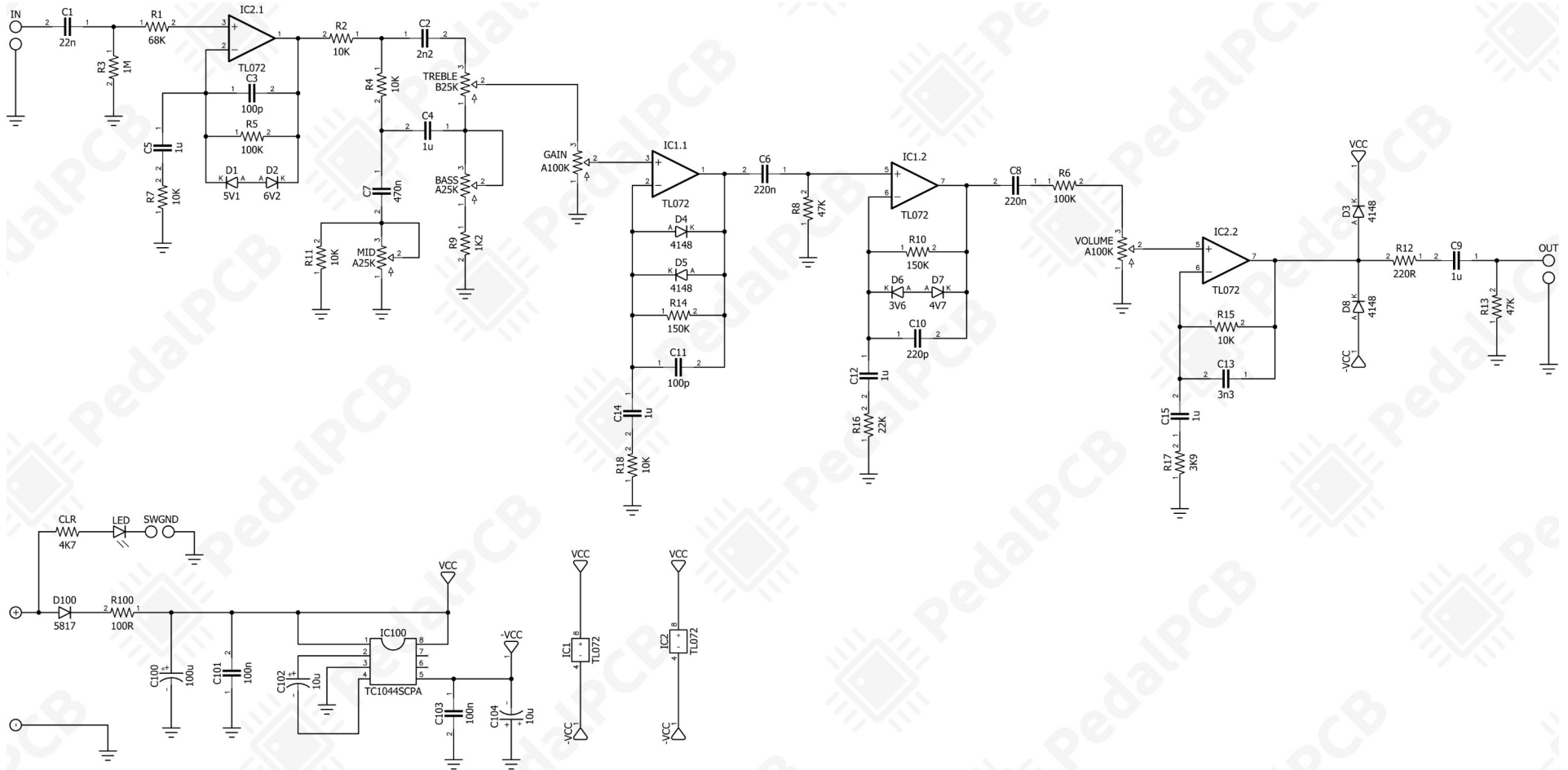
- Volume
- Gain
- Bass
- Mid
- Treble

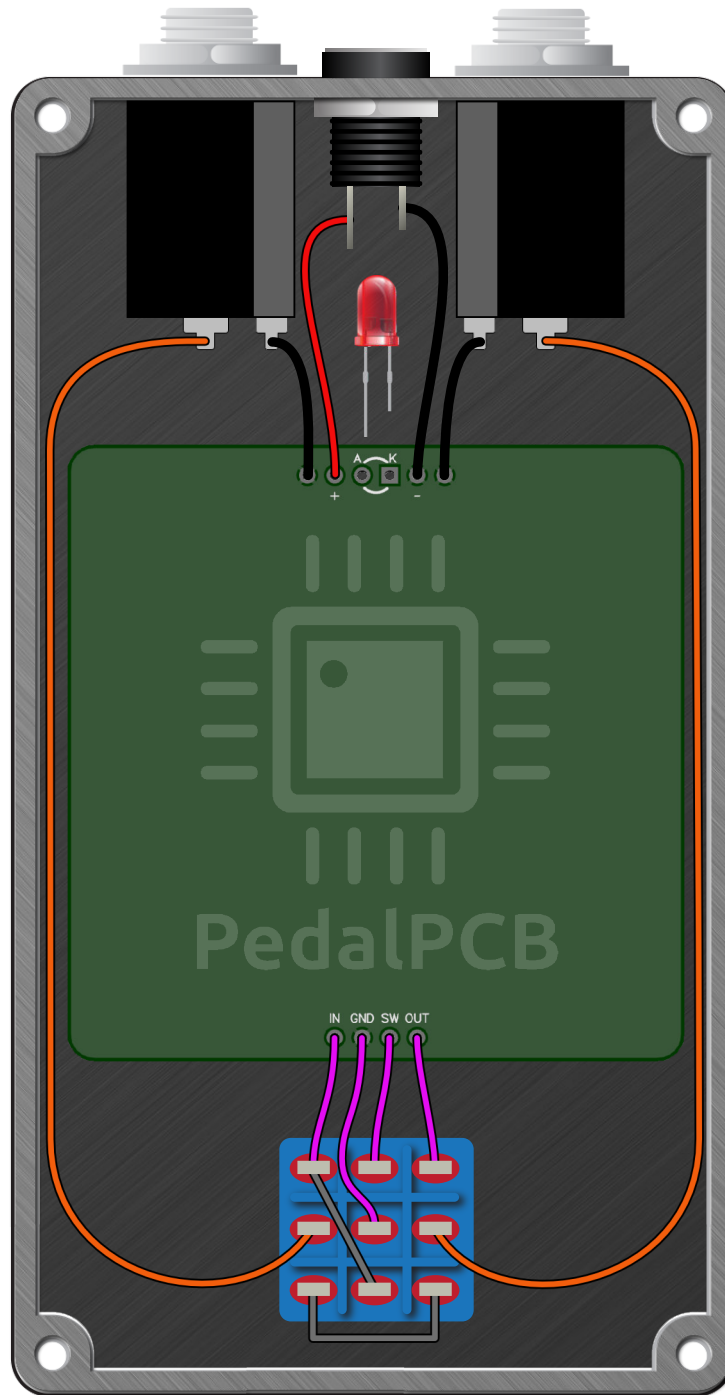
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LOCATION	VALUE	TYPE	NOTES
R1	68K	Resistor, 1/4W	
R2	10K	Resistor, 1/4W	
R3	1M	Resistor, 1/4W	
R4	10K	Resistor, 1/4W	
R5	100K	Resistor, 1/4W	
R6	100K	Resistor, 1/4W	
R7	10K	Resistor, 1/4W	
R8	47K	Resistor, 1/4W	
R9	1K2	Resistor, 1/4W	
R10	150K	Resistor, 1/4W	
R11	10K	Resistor, 1/4W	
R12	220R	Resistor, 1/4W	
R13	47K	Resistor, 1/4W	
R14	150K	Resistor, 1/4W	
R15	10K	Resistor, 1/4W	
R16	22K	Resistor, 1/4W	
R17	3K9	Resistor, 1/4W	
R18	10K	Resistor, 1/4W	
R100	100R	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
C1	22n	Film capacitor, 7.2 x 2.5mm	
C2	2n2	Film capacitor, 7.2 x 2.5mm	
C3	100p	Ceramic capacitor	
C4	1u	Film capacitor, 7.2 x 5.0mm	
C5	1u	Film capacitor, 7.2 x 5.0mm	
C6	220n	Film capacitor, 7.2 x 5.0mm	
C7	470n	Film capacitor, 7.2 x 5.0mm	
C8	220n	Film capacitor, 7.2 x 5.0mm	
C9	1u	Film capacitor, 7.2 x 5.0mm	
C10	220p	Ceramic capacitor	
C11	100p	Ceramic capacitor	
C12	1u	Film capacitor, 7.2 x 5.0mm	
C13	3n3	Film capacitor, 7.2 x 2.5mm	
C14	1u	Film capacitor, 7.2 x 5.0mm	
C15	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	1N4148	Signal diode, DO-35	
D4	1N4148	Signal diode, DO-35	
D5	1N4148	Signal diode, DO-35	
D6	3V6	Zener diode, 3.6V 1/2W	BZX55C3V6
D7	4V7	Zener diode, 4.7V 1/2W	BZX55C4V7
D8	1N4148	Signal diode, DO-35	
D100	1N5817	Schottky diode, DO-41	
IC1	TL072	Dual op-amp, DIP8	
IC2	TL072	Dual op-amp, DIP8	
IC100	TC1044SCPA	Charge pump IC, DIP8	
VOLUME	A100K	16mm right-angle PCB mount pot	
GAIN	A100K	16mm right-angle PCB mount pot	
BASS	A25K	16mm right-angle PCB mount pot	
MID	A25K	16mm right-angle PCB mount pot	
TREBLE	B25K	16mm right-angle PCB mount pot	

Doxie Preamp

Schematic Diagram





Doxie Preamp

Drill Template
125B Enclosure

