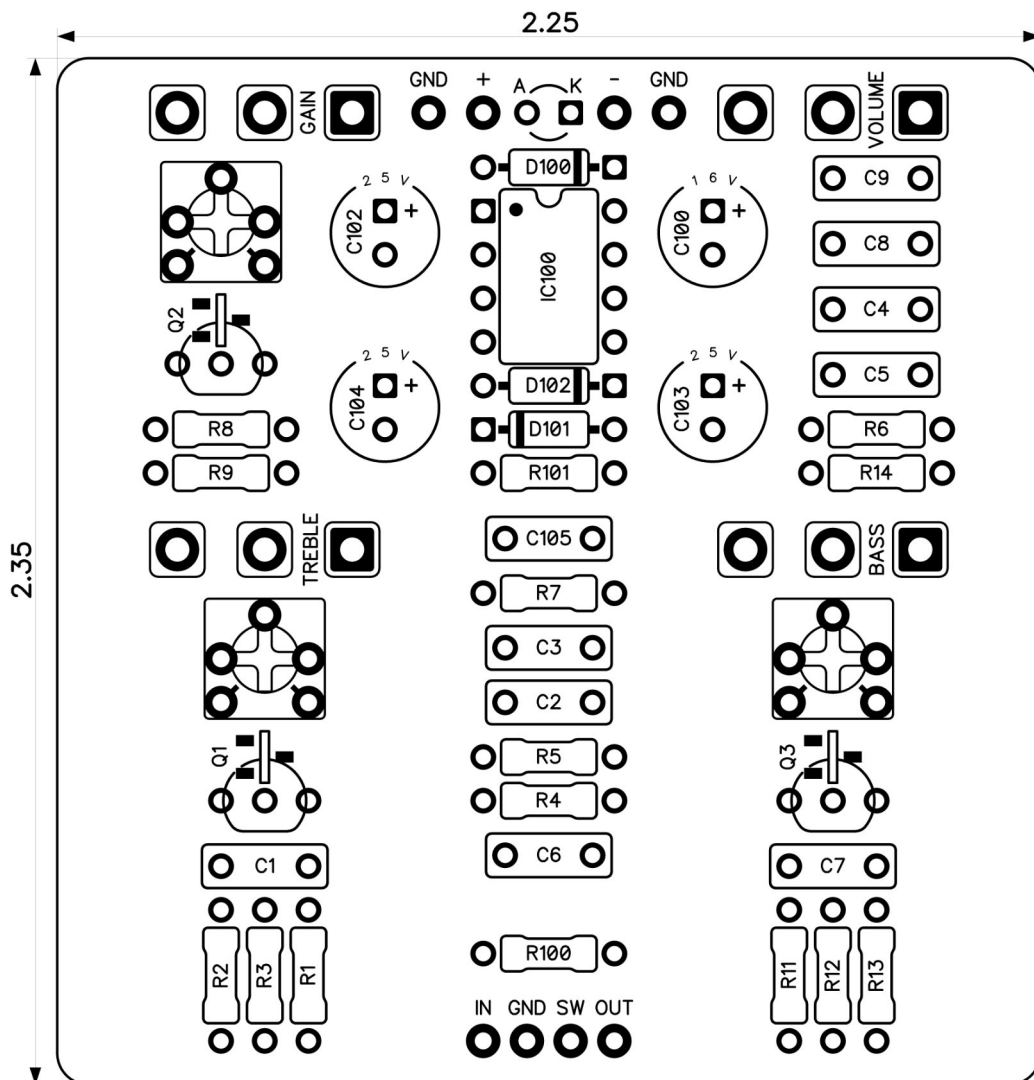


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Argentum 1212 Preamp

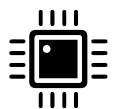
Revised 12/17/22



CONTROLS AND FEATURES

- Volume
- Gain
- Bass
- Treble

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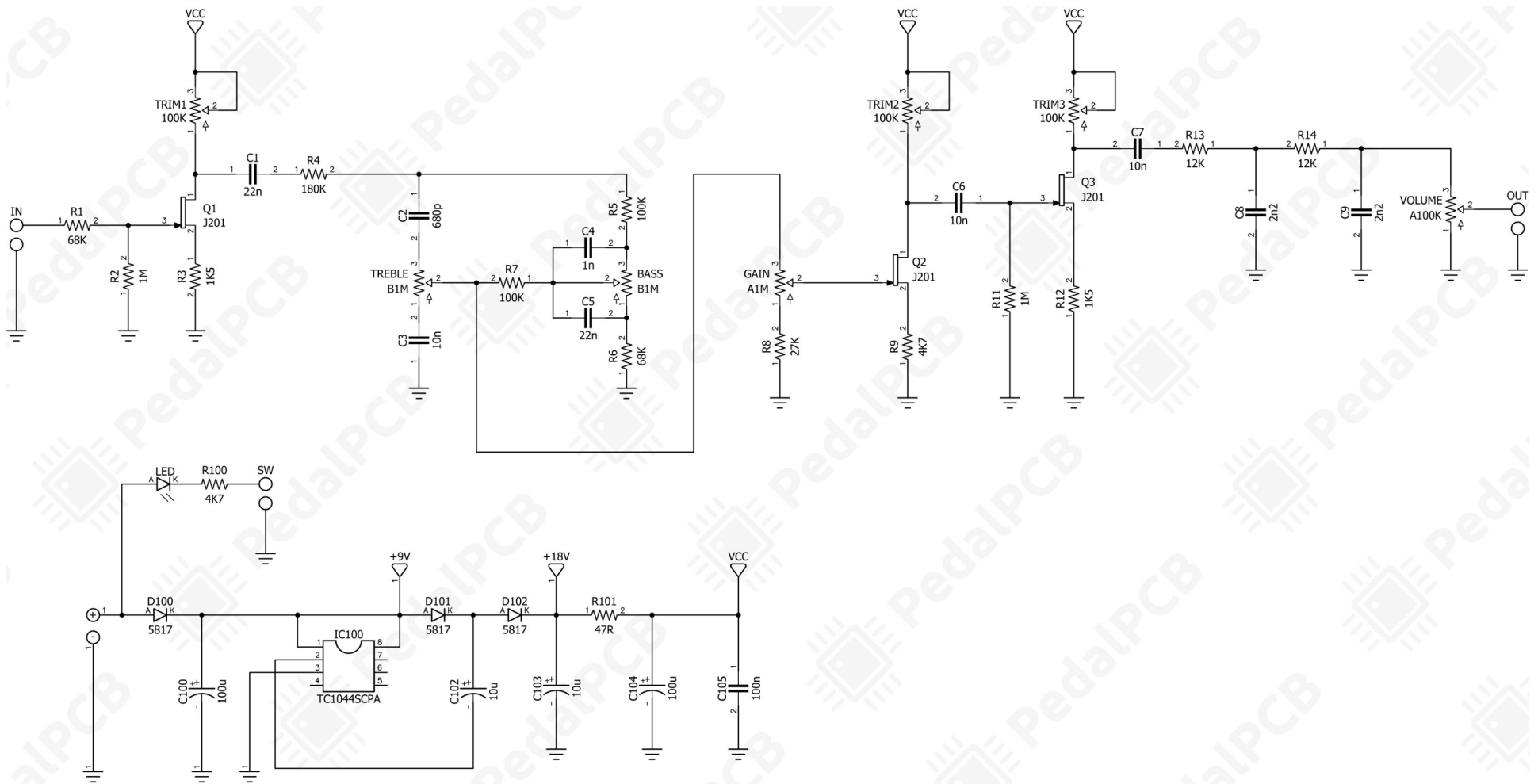


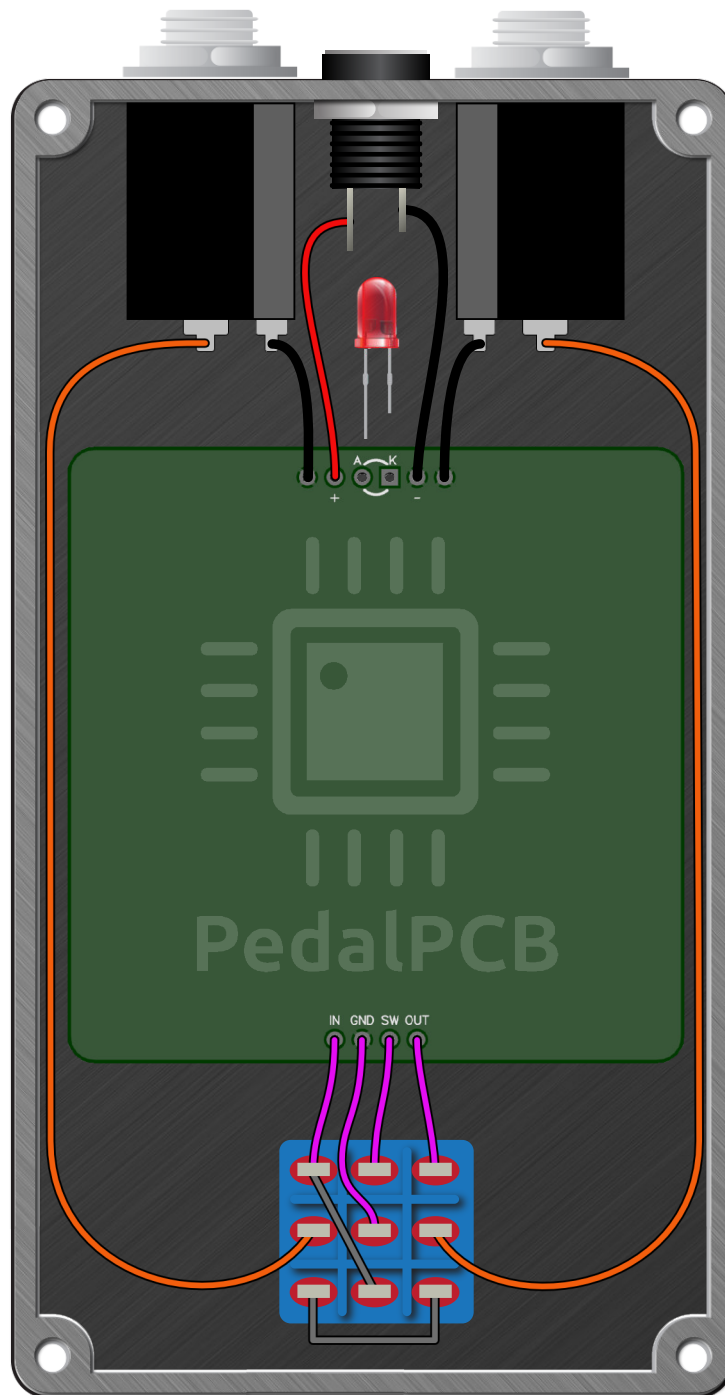
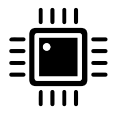
LOCATION	VALUE	TYPE	NOTES
R1	68K	Resistor, 1/4W	
R2	1M	Resistor, 1/4W	
R3	1K5	Resistor, 1/4W	
R4	180K	Resistor, 1/4W	
R5	100K	Resistor, 1/4W	
R6	68K	Resistor, 1/4W	
R7	100K	Resistor, 1/4W	
R8	27K	Resistor, 1/4W	
R9	4K7	Resistor, 1/4W	
R11	1M	Resistor, 1/4W	
R12	1K5	Resistor, 1/4W	
R13	12K	Resistor, 1/4W	
R14	12K	Resistor, 1/4W	
R100	4K7	Resistor, 1/4W	* LED current limiting resistor
R101	47R	Resistor, 1/4W	
C1	22n	Film capacitor, 7.2 x 2.5mm	
C2	680p	Ceramic capacitor	
C3	10n	Film capacitor, 7.2 x 2.5mm	
C4	1n	Film capacitor, 7.2 x 2.5mm	
C5	22n	Film capacitor, 7.2 x 2.5mm	
C6	10n	Film capacitor, 7.2 x 2.5mm	
C7	10n	Film capacitor, 7.2 x 2.5mm	
C8	2n2	Film capacitor, 7.2 x 2.5mm	
C9	2n2	Film capacitor, 7.2 x 2.5mm	
C100	100u	Electrolytic capacitor, 6.3mm	
C102	10u	Electrolytic capacitor, 6.3mm	⚡ 25V minimum voltage
C103	10u	Electrolytic capacitor, 6.3mm	⚡ 25V minimum voltage
C104	100u	Electrolytic capacitor, 6.3mm	⚡ 25V minimum voltage
C105	100n	Film capacitor, 7.2 x 2.5mm	
D100	1N5817	Schottky diode, DO-41	
D101	1N5817	Schottky diode, DO-41	
D102	1N5817	Schottky diode, DO-41	
Q1	J201	JFET transistor, N-channel	
Q2	J201	JFET transistor, N-channel	
Q3	J201	JFET transistor, N-channel	
IC100	TC1044SCPA	Charge pump IC, DIP8	
TRIM1	100K	Trimmer potentiometer, 3362P type	
TRIM2	100K	Trimmer potentiometer, 3362P type	
TRIM3	100K	Trimmer potentiometer, 3362P type	
VOLUME	A100K	16mm right-angle PCB mount pot	
GAIN	A1M	16mm right-angle PCB mount pot	
BASS	B1M	16mm right-angle PCB mount pot	
TREBLE	B1M	16mm right-angle PCB mount pot	

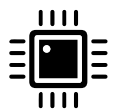


Argentum 1212 Preamp

Schematic Diagram







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Drill Template
125B Enclosure

