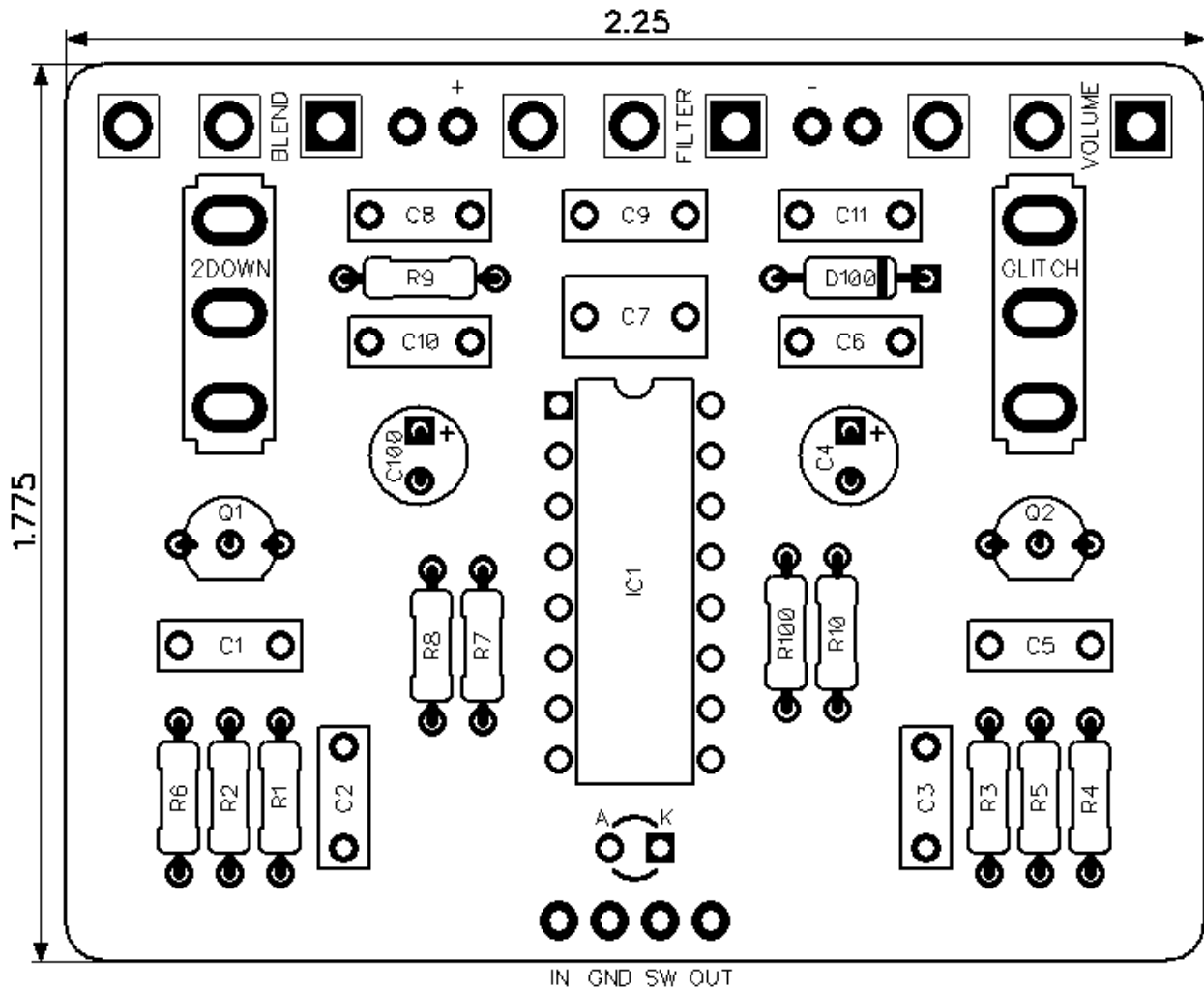


PedalPCB

Underminer Sub-Octave

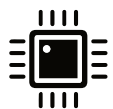
Revised 2/13/21



CONTROLS AND FEATURES

- Volume
- Filter
- Blend
- Glitch (Toggle switch)
- 2-Down (Toggle switch)

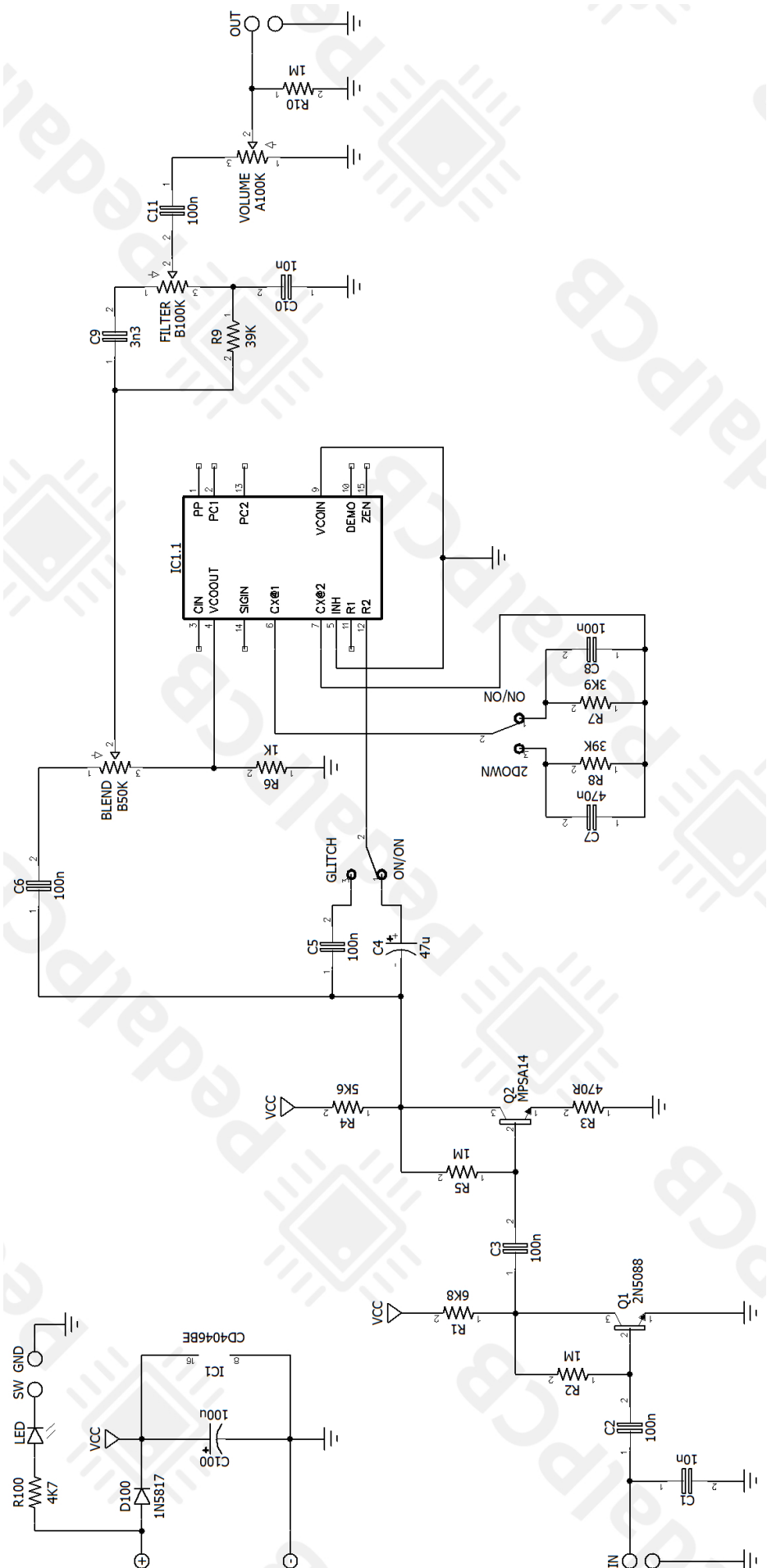
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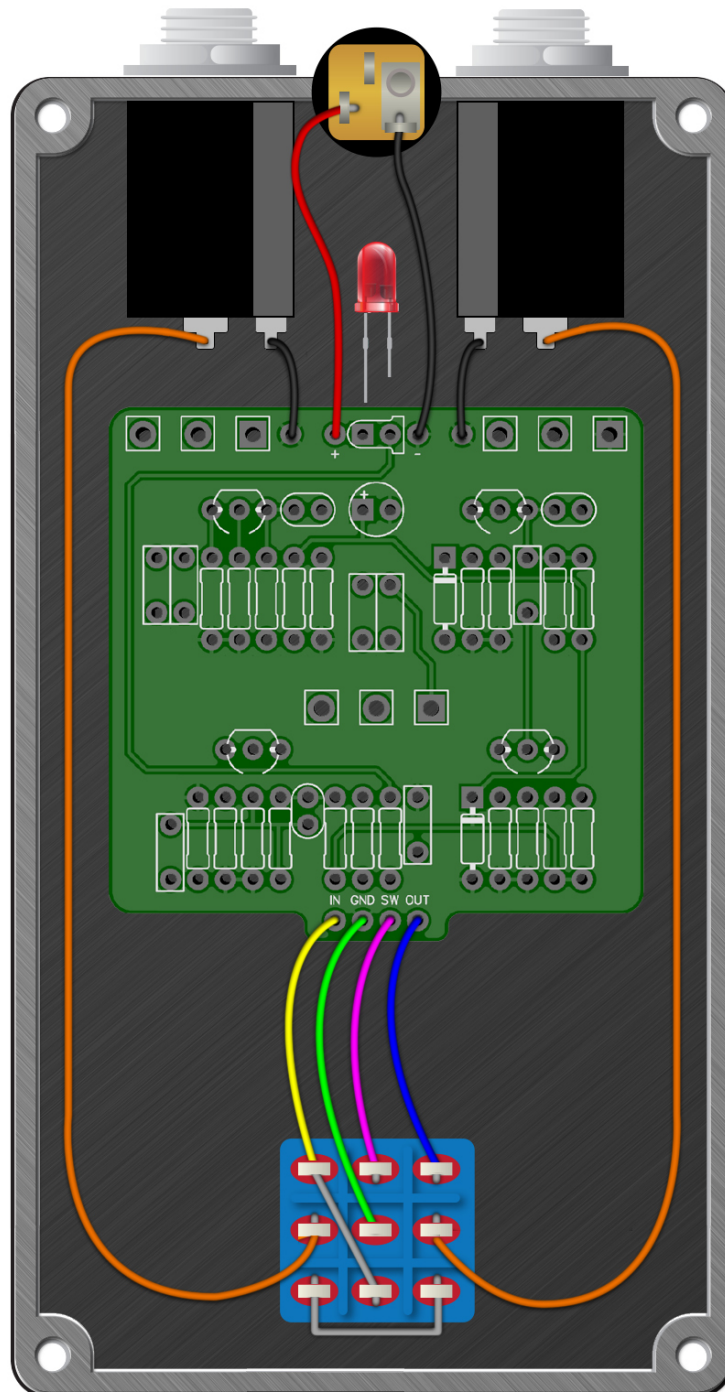
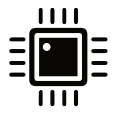


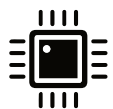
LOCATION	VALUE	TYPE	NOTES
R1	6K8	Resistor, 1/4W	
R2	1M	Resistor, 1/4W	
R3	470R	Resistor, 1/4W	
R4	5K6	Resistor, 1/4W	
R5	1M	Resistor, 1/4W	
R6	1K	Resistor, 1/4W	
R7	3K9	Resistor, 1/4W	
R8	39K	Resistor, 1/4W	
R9	39K	Resistor, 1/4W	
R10	1M	Resistor, 1/4W	
R100	4K7	Resistor, 1/4W	
C1	10n	Film capacitor, 7.2 x 2.5mm	
C2	100n	Film capacitor, 7.2 x 2.5mm	
C3	100n	Film capacitor, 7.2 x 2.5mm	
C4	47u	Electrolytic capacitor, 5mm	
C5	100n	Film capacitor, 7.2 x 2.5mm	
C6	100n	Film capacitor, 7.2 x 2.5mm	
C7	470n	Film capacitor, 7.2 x 5.0mm	
C8	100n	Film capacitor, 7.2 x 2.5mm	
C9	3n3	Film capacitor, 7.2 x 2.5mm	
C10	10n	Film capacitor, 7.2 x 2.5mm	
C11	100n	Film capacitor, 7.2 x 2.5mm	
C100	100u	Electrolytic capacitor, 5mm	
D100	1N5817	Schottky diode, DO-41	
Q1	2N5088	BJT transistor, NPN	TO-92
Q2	MPSA14	BJT darlington transistor, NPN	TO-92
IC1	CD4046	Phase Locked Loop IC (PLL)	DIP16
VOLUME	A100K	16mm right-angle PCB mount pot	100K, Audio Taper (A)
FILTER	B100K	16mm right-angle PCB mount pot	100K, Linear Taper (B)
BLEND	B50K	16mm right-angle PCB mount pot	50K, Linear Taper (B)
GLITCH	ON/ON	Toggle switch, SPDT	2-position (ON/ON)
2DOWN	ON/ON	Toggle switch, SPDT	2-position (ON/ON)



Schematic Diagram







PedalPCB

Underminer Sub-Octave

Drill Template
125B Enclosure

