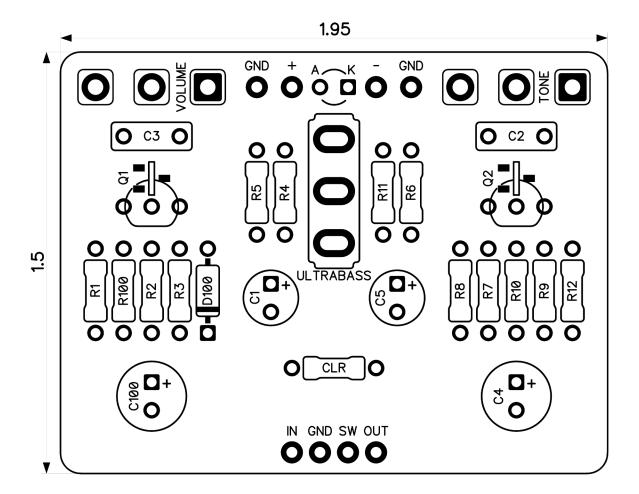


Revised 5/14/24



CONTROLS AND FEATURES

- Volume
- Tone
- Ultra-Bass (Toggle switch)

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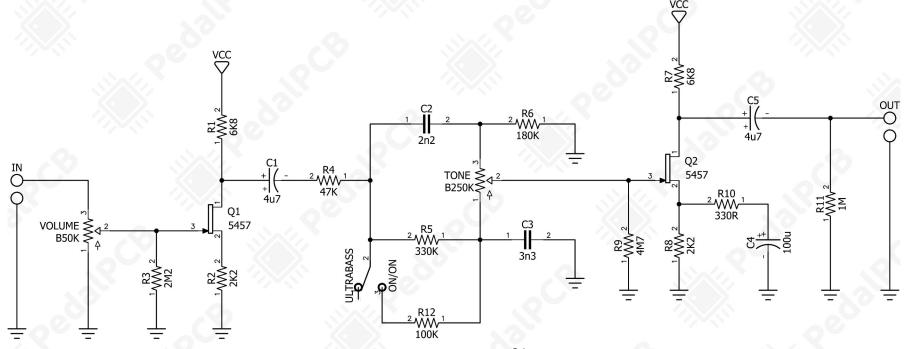


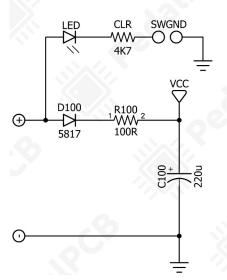
Parts List (Page 1 of 1)

LOCATION	VALUE	TYPE	NOTES
R1	6K8	Resistor, 1/4W	
R2	2K2	Resistor, 1/4W	
R3	2M2	Resistor, 1/4W	
R4	47K	Resistor, 1/4W	
R5	330K	Resistor, 1/4W	
R6	180K	Resistor, 1/4W	
R7	6K8	Resistor, 1/4W	
R8	2K2	Resistor, 1/4W	
R9	4M7	Resistor, 1/4W	
R10	330R	Resistor, 1/4W	
R11	1M	Resistor, 1/4W	
R12	100K	Resistor, 1/4W	
R100	100R	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
OLIK	7117	TOSISTOI, 1747V	LLD carrent infining redictor
C1	4u7	Electrolytic capacitor, 5mm	
C1 C2	2n2	Film capacitor, 7.2 x 2.5mm	
C3	3n3	Film capacitor, 7.2 x 2.5mm	
C4	100u	Electrolytic capacitor, 5mm	
C5	4u7	Electrolytic capacitor, 5mm	
C100	220u	Electrolytic capacitor, 5mm	
C 100	220u	Electrolytic capacitor, 5mm	
D100	1N5817	Schottky diode, DO-41	
Q1	2N5457	JFET transistor, N-channel	
Q2	2N5457	JFET transistor, N-channel	
QZ_	2110-107	or ET translator, 14 orialmer	
VOLUME	B50K	16mm right-angle PCB mount pot	
TONE	B250K	16mm right-angle PCB mount pot	
TONE	BZSSIC	Tomm right-angle 1 Ob mount pot	
ULTRABASS	ON/ON	Toggle switch, SPDT	2-position (ON/ON)



Schematic Diagram





-(-GC) 1

Vgs(off)=-1.54V at Id=5.1µA Vgs(on)=0.14V at Id=3.55mA

afs=3.4mA/V at Id=2.1mA to 3.6mA

ldss=3.07mA at Vds=3.00V

Rds(on)=1846010.0 Ω at Id=0.0mA and Vgs=0.0V

Q2

Vgs(off)=-1.25V at Id=4.6μA

Vgs(on)=0.20V at Id=2.88mA

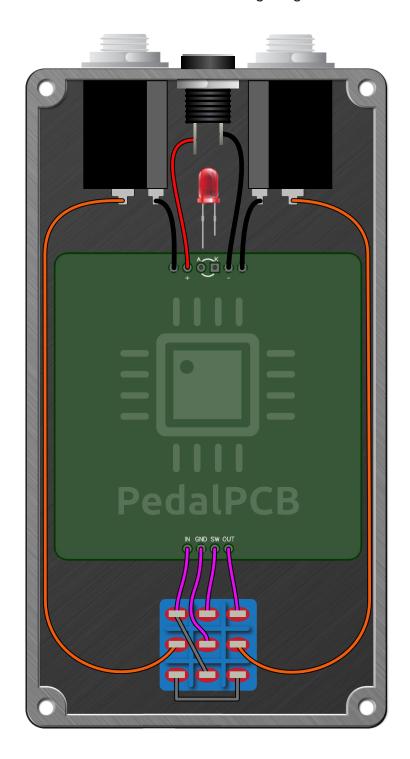
gfs=3.3mA/V at Id=1.7mA to 2.9mA

ldss=2.21mA at Vds=2.99V

Rds(on)=295.9 Ω at Id=2.9mA and Vgs=0.0V



Wiring Diagram





Drill Template
125B Enclosure

