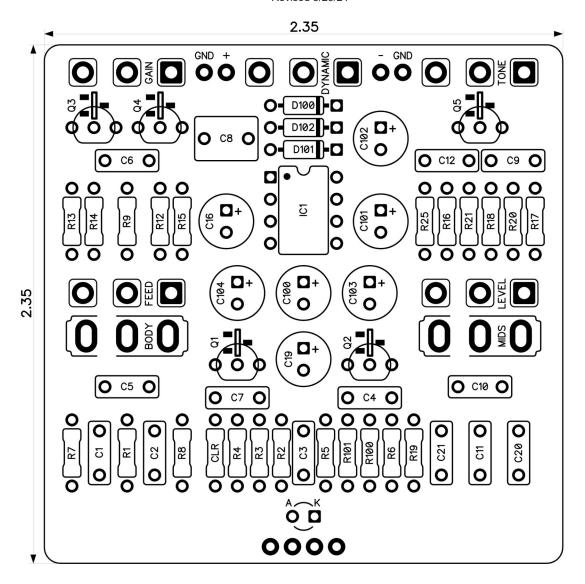


Revised 3/20/24



CONTROLS AND FEATURES

- Tone
- Dynamic
- Gain
- Level
- Feed
- Mids (Toggle switch)Body (Toggle switch)

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Parts List (Page 1 of 2)

LOCATION	VALUE	TYPE	NOTES
R1	47K	Resistor, 1/4W	
R2	47K	Resistor, 1/4W	
R3	1M	Resistor, 1/4W	
R4	750R	Resistor, 1/4W	
R5	1K	Resistor, 1/4W	
R6	470K	Resistor, 1/4W	
R7	1K	Resistor, 1/4W	
R8	10K	Resistor, 1/4W	
R9	470K	Resistor, 1/4W	
R12	10K	Resistor, 1/4W	
R13	100R	Resistor, 1/4W	
R14	1K	Resistor, 1/4W	
R15	470K	Resistor, 1/4W	
R16	47K	Resistor, 1/4W	
R17	39K	Resistor, 1/4W	
R18	100K	Resistor, 1/4W	
R19	10K	Resistor, 1/4W	
R20	1M	Resistor, 1/4W	
R21	10K	Resistor, 1/4W	
R25	220K	Resistor, 1/4W	
R100	10K	Resistor, 1/4W	
R101	10K	Resistor, 1/4W	
CLR	4K7	Resistor, 1/4W	* LED current limiting resistor
		,	<u> </u>
C1	1n	Film capacitor, 7.2 x 2.5mm	
C1 C2	22n	Film capacitor, 7.2 x 2.5mm	
C3	470p	Ceramic capacitor	
C3 C4	47n	Film capacitor, 7.2 x 2.5mm	
C5	100n	Film capacitor, 7.2 x 2.5mm	
C6	470p	Ceramic capacitor	
C7	100n	Film capacitor, 7.2 x 2.5mm	
C8	1u	Film capacitor, 7.2 x 5.0mm	
C8 C9	100n	Film capacitor, 7.2 x 2.5mm	
C10	3n3	Film capacitor, 7.2 x 2.5mm	
C11	3n3	Film capacitor, 7.2 x 2.5mm	
C12	100n	Film capacitor, 7.2 x 2.5mm	
C16	47u	Electrolytic capacitor, 5mm	25V Minimum
C19	10u	Electrolytic capacitor, 5mm	25V Minimum
C20	4n7	Film capacitor, 7.2 x 2.5mm	
C21	10n	Film capacitor, 7.2 x 2.5mm	
C100	100u	Electrolytic capacitor, 5mm	25V Minimum
C101	10u	Electrolytic capacitor, 5mm	25V Minimum
C102	10u	Electrolytic capacitor, 5mm	25V Minimum
C103	10u	Electrolytic capacitor, 5mm	25V Minimum
C104	47u	Electrolytic capacitor, 5mm	25V Minimum
		Continued on next page	
		· •	•



Parts List (Page 2 of 2)

LOCATION	VALUE	TYPE	NOTES
D100	1N5817	Schottky diode, DO-41	
D101	1N4148	Signal diode, DO-35	
D102	1N4148	Signal diode, DO-35	
Q1	J201	JFET transistor, N-channel	
Q2	J201	JFET transistor, N-channel	
Q3	J201	JFET transistor, N-channel	
Q4	J201	JFET transistor, N-channel	
Q5	J201	JFET transistor, N-channel	
QU	0201	or ET translator, 14 orial mor	
IC1	ICI 7660SCPA7	Charge pump IC, DIP8	
101	1027000001712		
TONE	B100K	16mm right-angle PCB mount pot	
DYNAMIC	B106K	16mm right-angle PCB mount pot	
GAIN	A500K	16mm right-angle PCB mount pot	
LEVEL	B100K	16mm right-angle PCB mount pot	
FEED	B1M	16mm right-angle PCB mount pot	
FEED	DIIVI	Tomin right-arigie PCB mount pot	
MIDS	ON/OFF/ON	Toggle switch, SPDT	3-position (ON/OFF/ON)
BODY	ON/OFF/ON		
БОБТ	UN/OFF/UN	Toggle switch, SPDT	3-position (ON/OFF/ON)



Transistor Parameters

Original transistor parameters as measured by Peak Atlas DCA75

Q1

Vgs(off)=-0.63V at Id=5.0 μ A Vgs(on)=0.38V at Id=1.18mA gfs=1.8mA/V at Id=0.7mA to 1.2mA Idss=0.51mA at Vds=3.01V Rds(on)=572.7 Ω at Id=1.2mA and Vgs=0.0V

Q2

Vgs(off)=-0.72V at Id=5.1 μ A Vgs(on)=0.36V at Id=1.28mA gfs=1.9mA/V at Id=0.8mA to 1.3mA Idss=0.62mA at Vds=3.00V Rds(on)=559.1 Ω at Id=1.3mA and Vgs=0.0V

Q3

Vgs(off)=-0.67V at Id=4.7 μ A Vgs(on)=0.37V at Id=1.20mA gfs=1.8mA/V at Id=0.7mA to 1.2mA Idss=0.55mA at Vds=3.01V Rds(on)=584.5 Ω at Id=1.2mA and Vgs=0.0V

Q4

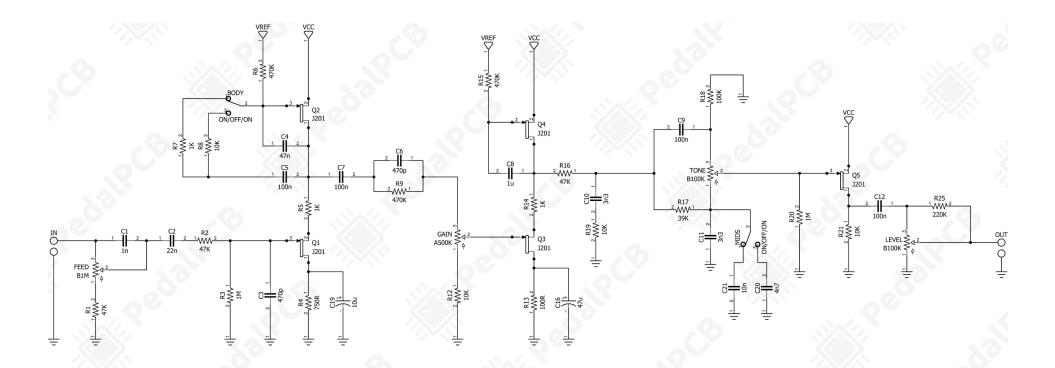
Vgs(off)=-0.77V at Id=5.0 μ A Vgs(on)=0.34V at Id=1.30mA gfs=1.9mA/V at Id=0.8mA to 1.3mA Idss=0.69mA at Vds=2.99V Rds(on)=571.8 Ω at Id=1.3mA and Vgs=0.0V

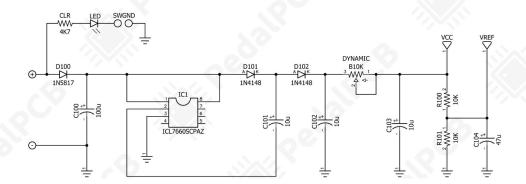
Q5

Vgs(off)=-0.67V at Id=5.3 μ A Vgs(on)=0.36V at Id=1.17mA gfs=1.8mA/V at Id=0.7mA to 1.2mA Idss=0.53mA at Vds=3.00V Rds(on)=585.3 Ω at Id=1.2mA and Vgs=0.0V



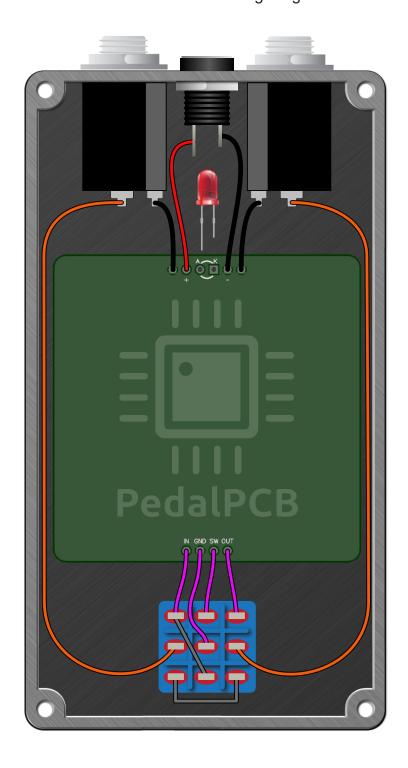
Schematic Diagram







Wiring Diagram



Drill Template

125B Enclosure

