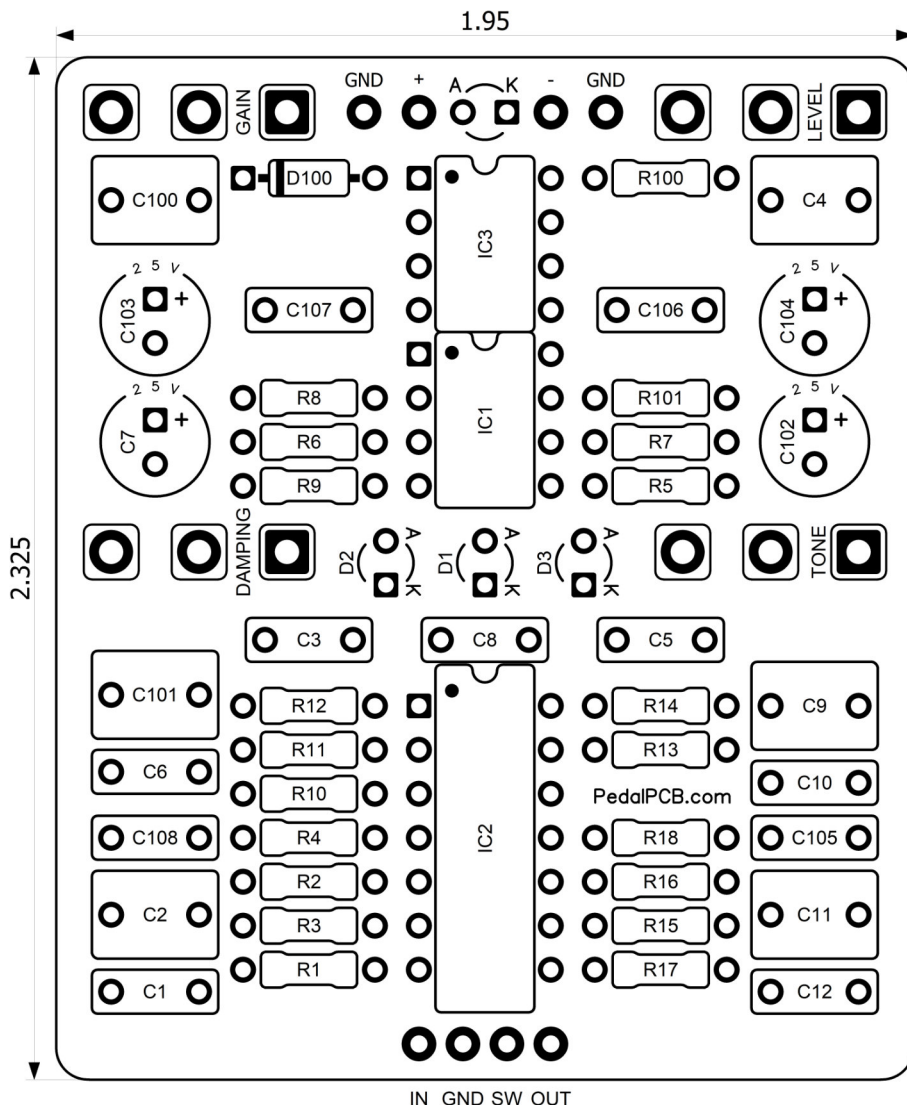


PedalPCB

Unchained Overdrive

Revised 6/4/22

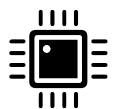


CONTROLS AND FEATURES

- Level
- Gain
- Tone
- Damping

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LOCATION	VALUE	TYPE	NOTES
R1	1K	Resistor, 1/4W	
R2	1M	Resistor, 1/4W	
R3	470R	Resistor, 1/4W	
R4	6K8	Resistor, 1/4W	
R5	5K1	Resistor, 1/4W	
R6	8K2	Resistor, 1/4W	
R7	1K	Resistor, 1/4W	
R8	1K5	Resistor, 1/4W	
R9	10K	Resistor, 1/4W	
R10	47K	Resistor, 1/4W	
R11	47R	Resistor, 1/4W	
R12	2K	Resistor, 1/4W	
R13	4K7	Resistor, 1/4W	
R14	22K	Resistor, 1/4W	
R15	22K	Resistor, 1/4W	
R16	22K	Resistor, 1/4W	
R17	100R	Resistor, 1/4W	
R18	1K	Resistor, 1/4W	
R100	10R	Resistor, 1/4W	
R101	4K7	Resistor, 1/4W	
C1	25p	Ceramic capacitor	
C2	220n	Film capacitor, 7.2 x 5.0mm	
C3	100n	Film capacitor, 7.2 x 2.5mm	
C4	220n	Film capacitor, 7.2 x 5.0mm	
C5	100n	Film capacitor, 7.2 x 2.5mm	
C6	33n	Film capacitor, 7.2 x 2.5mm	
C7	2u2	Electrolytic capacitor, 5mm	
C8	47p	Ceramic capacitor	
C9	470n	Film capacitor, 7.2 x 5.0mm	
C10	68n	Film capacitor, 7.2 x 2.5mm	
C11	470n	Film capacitor, 7.2 x 5.0mm	
C12	25p	Ceramic capacitor	
C100	220n	Film capacitor, 7.2 x 5.0mm	
C101	220n	Film capacitor, 7.2 x 5.0mm	
C102	100u	Electrolytic capacitor, 5mm	
C103	10u	Electrolytic capacitor, 5mm	
C104	100u	Electrolytic capacitor, 5mm	
C105	100n	Film capacitor, 7.2 x 2.5mm	
C106	100n	Film capacitor, 7.2 x 2.5mm	
C107	100n	Film capacitor, 7.2 x 2.5mm	
C108	100n	Film capacitor, 7.2 x 2.5mm	
D1	3mm LED	3mm Red LED, Diffused	
D2	3mm LED	3mm Red LED, Diffused	
D3	3mm LED	3mm Red LED, Diffused	
D100	1N5817	Schottky diode, DO-41	



LOCATION	VALUE	TYPE	NOTES
IC1	LF353	Dual op-amp, DIP8	
IC2	LF347	Quad op-amp, DIP14	
IC3	ICL7660SCPA	Charge pump IC, DIP8	Alternate TC1044SCPA
LEVEL	A5K	16mm right-angle PCB mount pot	
GAIN	A1M	16mm right-angle PCB mount pot	
TONE	B5K	16mm right-angle PCB mount pot	
DAMPING	A100K	16mm right-angle PCB mount pot	



NOTE: IC2 was incorrectly marked “LM347” on the first batch of PCBs. The correct part number is LF347.



Unchained Overdrive

Schematic Diagram

