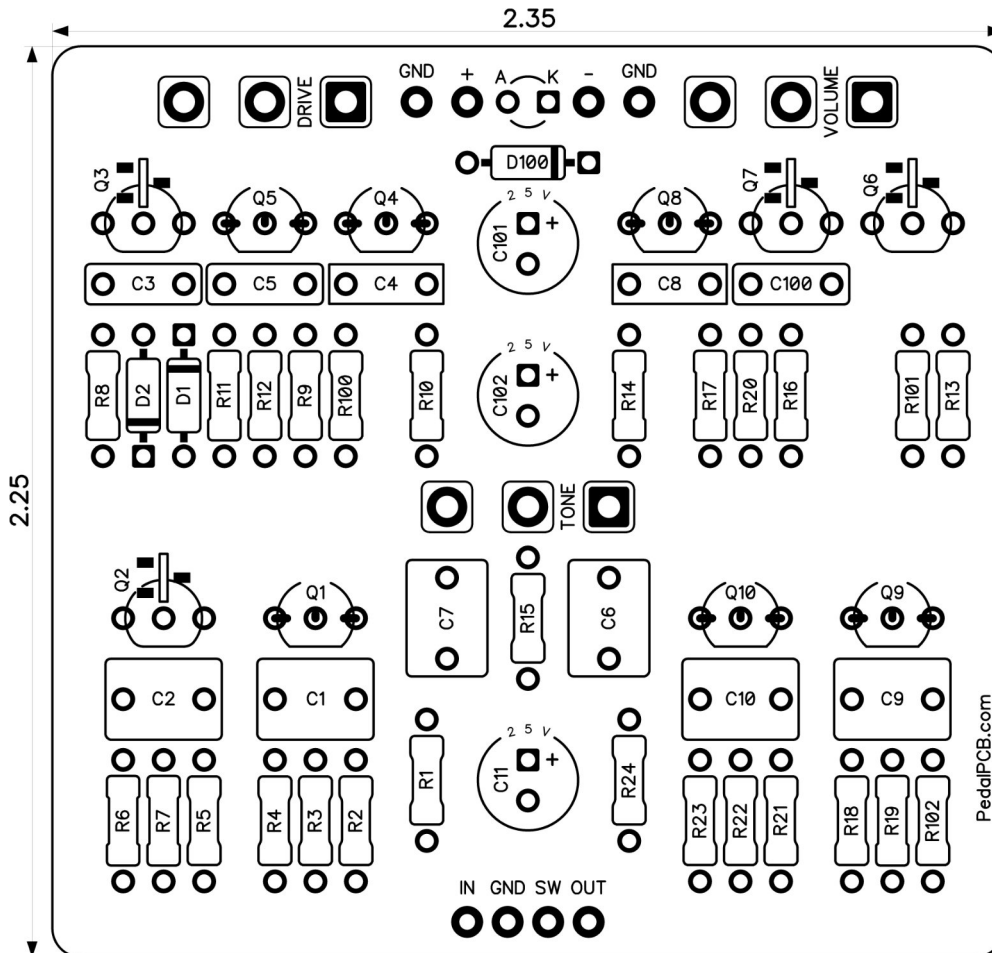


Wilhelm Scream Overdrive

Revised 8/15/23



CONTROLS AND FEATURES

- Volume
- Tone
- Drive

LOCATION	VALUE	TYPE	NOTES
R1	2M2	Resistor, 1/4W	
R2	1K	Resistor, 1/4W	
R3	510K	Resistor, 1/4W	
R4	10K	Resistor, 1/4W	
R5	10K	Resistor, 1/4W	
R6	2K2	Resistor, 1/4W	
R7	4K7	Resistor, 1/4W	
R8	4K7	Resistor, 1/4W	
R9	51K	Resistor, 1/4W	
R10	2K2	Resistor, 1/4W	
R11	4K7	Resistor, 1/4W	
R12	1K	Resistor, 1/4W	
R13	10K	Resistor, 1/4W	
R14	2K2	Resistor, 1/4W	
R15	220R	Resistor, 1/4W	
R16	4K7	Resistor, 1/4W	
R17	2K2	Resistor, 1/4W	
R18	1K	Resistor, 1/4W	
R19	4K7	Resistor, 1/4W	
R20	1K	Resistor, 1/4W	
R21	510K	Resistor, 1/4W	
R22	10K	Resistor, 1/4W	
R23	100R	Resistor, 1/4W	
R24	10K	Resistor, 1/4W	
R100	10K	Resistor, 1/4W	
R101	10K	Resistor, 1/4W	
R102	4K7	Resistor, 1/4W	* LED current limiting resistor
C1	22n	Film capacitor, 7.2 x 2.5mm	
C2	1u	Electrolytic capacitor, 5mm	
C3	47n	Film capacitor, 7.2 x 2.5mm	
C4	51p	Ceramic capacitor	
C5	51p	Ceramic capacitor	
C6	220n	Film capacitor, 7.2 x 5.0mm	
C7	220n	Film capacitor, 7.2 x 5.0mm	
C8	51p	Ceramic capacitor	
C9	1u	Electrolytic capacitor, 5mm	
C10	100n	Film capacitor, 7.2 x 2.5mm	
C11	10u	Electrolytic capacitor, 5mm	
C100	100n	Film capacitor, 7.2 x 2.5mm	
C101	47u	Electrolytic capacitor, 5mm	
C102	47u	Electrolytic capacitor, 5mm	
D1	1N4148	Signal diode, DO-35	
D2	1N4148	Signal diode, DO-35	
D100	1N5817	Schottky diode, DO-41	
Q1	2SC1815	BJT transistor, NPN TO-92	
Q2	2N5457	JFET transistor, N-channel	
Q3	2N5457	JFET transistor, N-channel	
Q4	2N3906	BJT transistor, PNP TO-92	
Q5	2N3904	BJT transistor, NPN TO-92	
Q6	2N5457	JFET transistor, N-channel	
Q7	2N5457	JFET transistor, N-channel	
Q8	2N3906	BJT transistor, PNP TO-92	
Q9	2N3904	BJT transistor, NPN TO-92	
Q10	2SC1815	BJT transistor, NPN TO-92	
VOLUME	B100K	16mm right-angle PCB mount pot	
TONE	W20K	16mm right-angle PCB mount pot	
DRIVE	A500K	16mm right-angle PCB mount pot	

Wilhelm Scream Overdrive

Schematic Diagram

