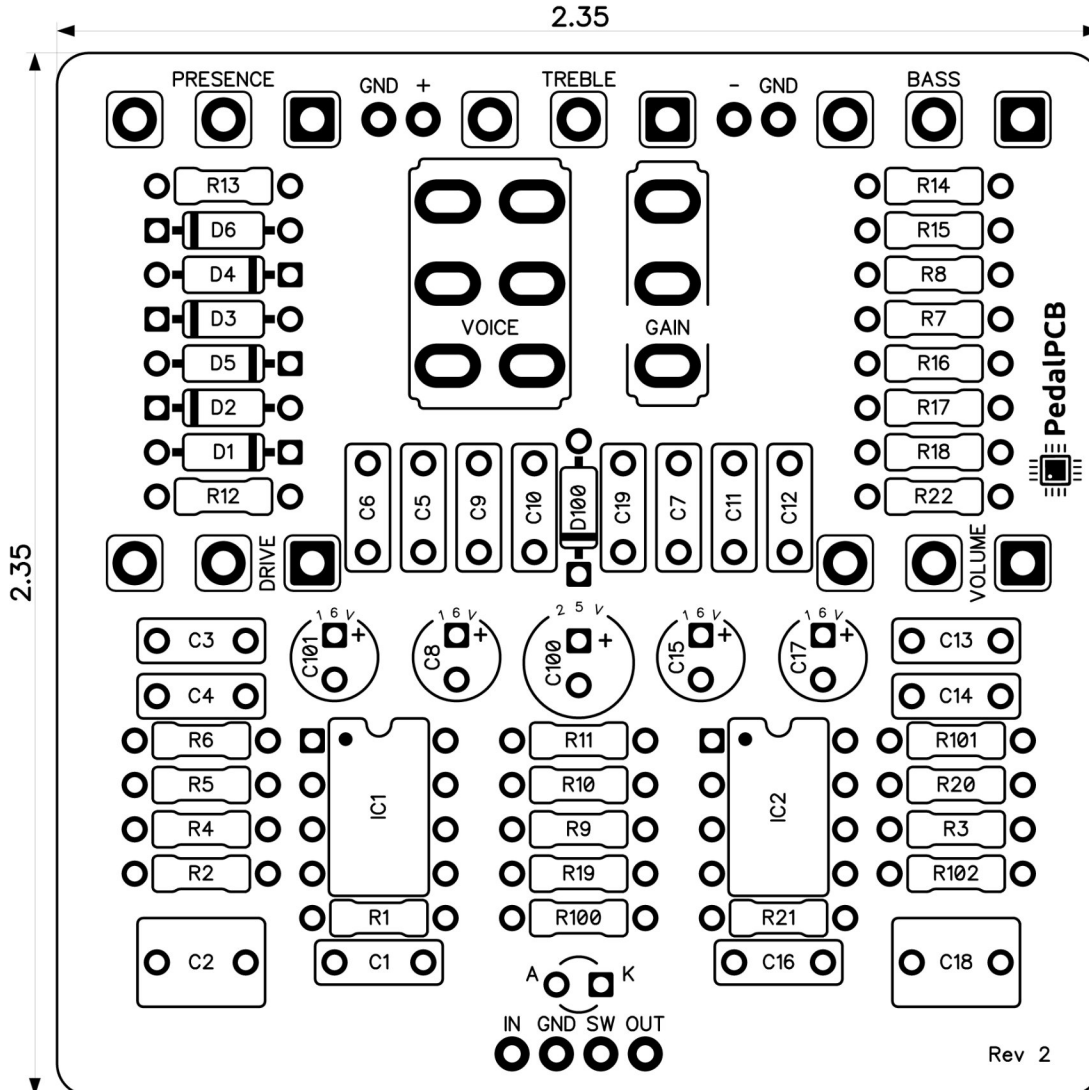




Parthenon Overdrive

Revised 1/3/25



CONTROLS AND FEATURES

- Bass
- Treble
- Presence
- Volume
- Drive
- Gain (Toggle switch)
- Voice (Toggle switch)

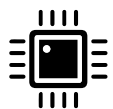
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Parthenon Overdrive

Parts List (Page 1 of 2)

LOCATION	VALUE	TYPE	NOTES
R1	1K	Resistor, 1/4W	
R2	1M	Resistor, 1/4W	
R3	1M	Resistor, 1/4W	
R4	27K	Resistor, 1/4W	
R5	33K	Resistor, 1/4W	
R6	47K	Resistor, 1/4W	
R7	1M	Resistor, 1/4W	
R8	1M	Resistor, 1/4W	
R9	10K	Resistor, 1/4W	
R10	220K	Resistor, 1/4W	
R11	6K8	Resistor, 1/4W	
R12	1K	Resistor, 1/4W	
R13	6K8	Resistor, 1/4W	
R14	100K	Resistor, 1/4W	
R15	10K	Resistor, 1/4W	
R16	220K	Resistor, 1/4W	
R17	390K	Resistor, 1/4W	
R18	68K	Resistor, 1/4W	
R19	1M	Resistor, 1/4W	
R20	100K	Resistor, 1/4W	
R21	4K7	Resistor, 1/4W	
R22	1K	Resistor, 1/4W	
R100	4K7	Resistor, 1/4W	
R101	10K	Resistor, 1/4W	
R102	10K	Resistor, 1/4W	
C1	47p	Ceramic capacitor	
C2	1u	Film capacitor, 7.2 x 5.0mm	
C3	47p	Ceramic capacitor	
C4	10n	Film capacitor, 7.2 x 2.5mm	
C5	10n	Film capacitor, 7.2 x 2.5mm	
C6	100n	Film capacitor, 7.2 x 2.5mm	
C7	100p	Ceramic capacitor	
C8	4u7	Electrolytic capacitor, 5mm	
C9	10n	Film capacitor, 7.2 x 2.5mm	
C10	10n	Film capacitor, 7.2 x 2.5mm	
C11	470p	Ceramic capacitor	
C12	4n7	Film capacitor, 7.2 x 2.5mm	
C13	330p	Ceramic capacitor	
C14	3n3	Film capacitor, 7.2 x 2.5mm	
C15	4u7	Electrolytic capacitor, 5mm	
C16	47p	Ceramic capacitor	
C17	1u	Electrolytic capacitor, 5mm	
C18	1u	Film capacitor, 7.2 x 5.0mm	
C19	100n	Film capacitor, 7.2 x 2.5mm	
C100	100u	Electrolytic capacitor, 5mm	
C101	10u	Electrolytic capacitor, 5mm	
		Continued on next page...	



LOCATION	VALUE	TYPE	NOTES
D1	1N4148	Signal diode, DO-35	
D2	1N4148	Signal diode, DO-35	
D3	1N4148	Signal diode, DO-35	
D4	1N4148	Signal diode, DO-35	
D5	1N4148	Signal diode, DO-35	
D6	1N4148	Signal diode, DO-35	
D100	1N5817	Schottky diode, DO-41	
IC1	JRC4580	Dual op-amp, DIP8	
IC2	JRC4580	Dual op-amp, DIP8	
BASS	B1M	16mm right-angle PCB mount pot	
TREBLE	B25K	16mm right-angle PCB mount pot	
PRESENCE	B50K	16mm right-angle PCB mount pot	
VOLUME	A100K	16mm right-angle PCB mount pot	
DRIVE	B100K	16mm right-angle PCB mount pot	
VOICE	DPDT	Toggle switch, DPDT *** Type-2	3-position (ON/ON/ON)
GAIN	SPDT	Toggle switch, SPDT	3-position (ON/OFF/ON)



Voice toggle switch must be Type-2 DPDT ON/ON/ON

[STOMPBOXPARTS.COM \(Long Bat\)](https://stompboxparts.com/switches/dpdt-toggle-switch-on-on-on-solder-lug-long-bat/)

<https://stompboxparts.com/switches/dpdt-toggle-switch-on-on-on-solder-lug-long-bat/>

[STOMPBOXPARTS.COM \(Short Bat\)](https://stompboxparts.com/switches/dpdt-toggle-switch-on-on-on-solder-lug-short-bat/)

<https://stompboxparts.com/switches/dpdt-toggle-switch-on-on-on-solder-lug-short-bat/>

[100-DP6-T100B1M1QE \(Long Bat\)](https://lovemyswitches.com/taiway-dpdt-on-on-on-switch-solder-lug-long-shaft/)

<https://lovemyswitches.com/taiway-dpdt-on-on-on-switch-solder-lug-long-shaft/>

[100-DP6-T200B1M1QE \(Short Bat\)](https://lovemyswitches.com/taiway-dpdt-on-on-on-switch-solder-lug-short-shaft/)

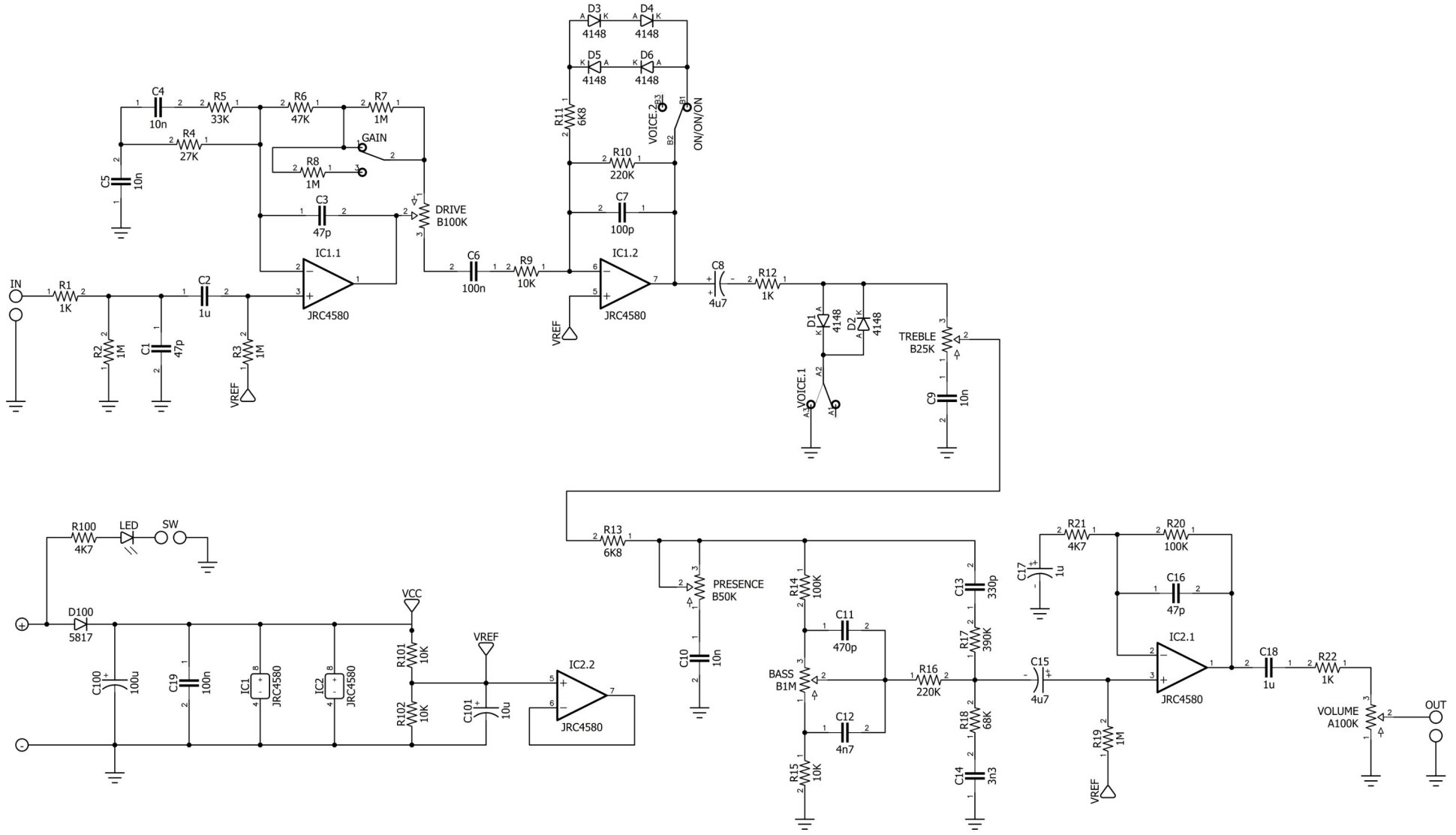
<https://lovemyswitches.com/taiway-dpdt-on-on-on-switch-solder-lug-short-shaft/>

[1MD6T1B1C0M1QE \(Long Bat\)](http://smallbear-electronics.mybigcommerce.com/dpdt-on-on-on-solder-term/)

<http://smallbear-electronics.mybigcommerce.com/dpdt-on-on-on-solder-term/>

Parthenon Overdrive

Schematic Diagram





Wiring Diagram

