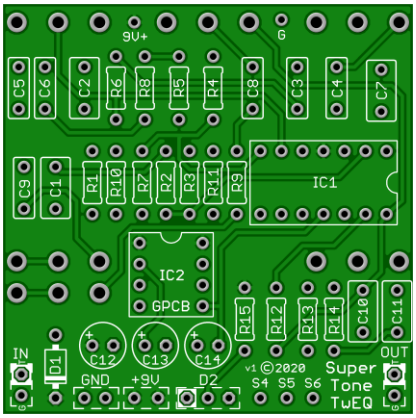
Super Tone TwEQ

For years, the DIY PEDAL world has embraced the TONE TwEQ as the go-to solution for better equalization. The days of a simple, single knob, tone control is fading fast. Now, GuitarPCB answers the calls for the next step in EQ. The Super Tone TwEQ.



Dimensions: 1.95” x 1.95”

Part	Value
R1	1M
R2	10k
R3	10k
R4	5k6
R5	1k5
R6	10k
R7	1k8
R8	5k6
R9	2k7
R10	1k5
R11	5k6
R12	5k6
R13	5k6
R14	12k

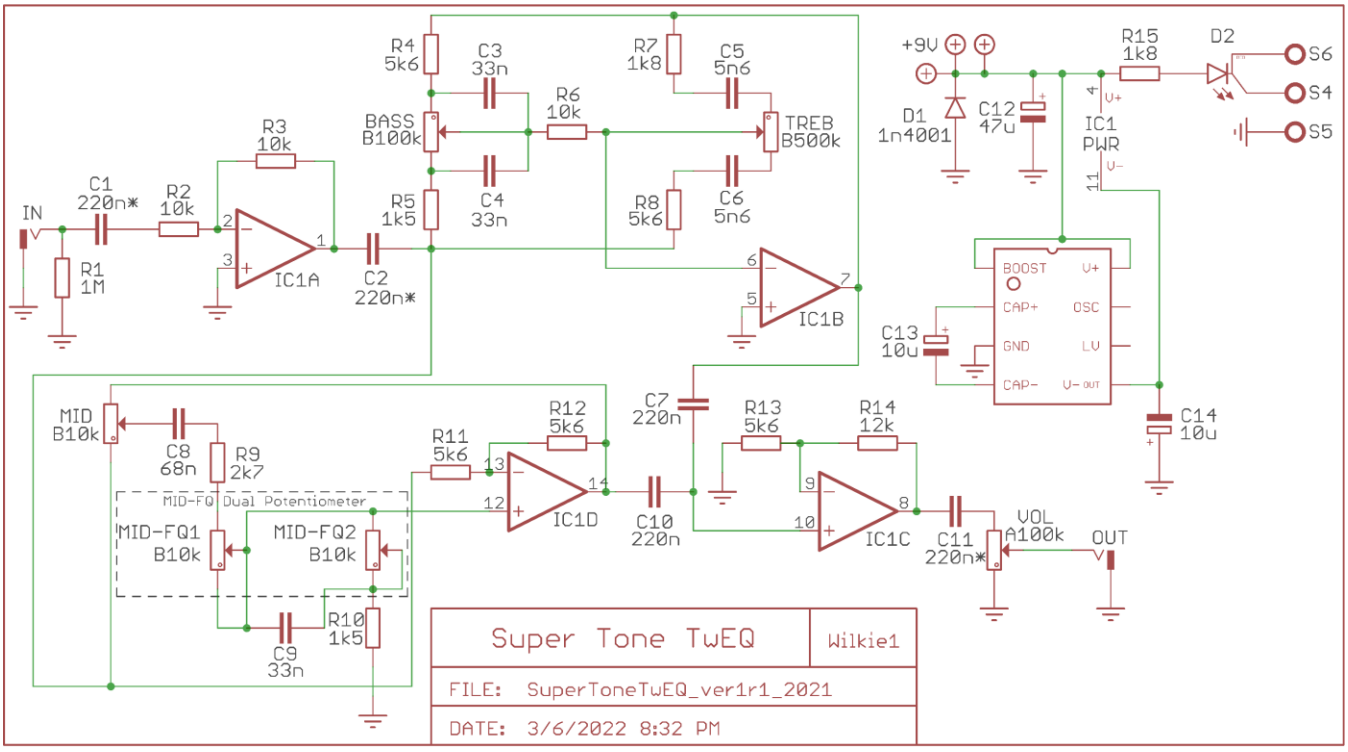
Part	Value
R15	1k8
C1	220n
C2	220n
C3	33n
C4	33n
C5	5n6
C6	5n6
C7	220n
C8	68n
C9	33n
C10	220n
C11	220n
C12	47u

Part	Value
C13	10u
C14	10u
D1	1n4001
D2	Status LED
IC1	TL074
IC2	7660S
VOL	A100k
BASS	B100k
MID	B10k
MID-FQ	Dual Gang B10k
TREB	B500k

STATUS LED

***D2** is a Status LED that can be either a Bi-Color Common Anode or a Standard On/Off LED. (See Tip Sheet)

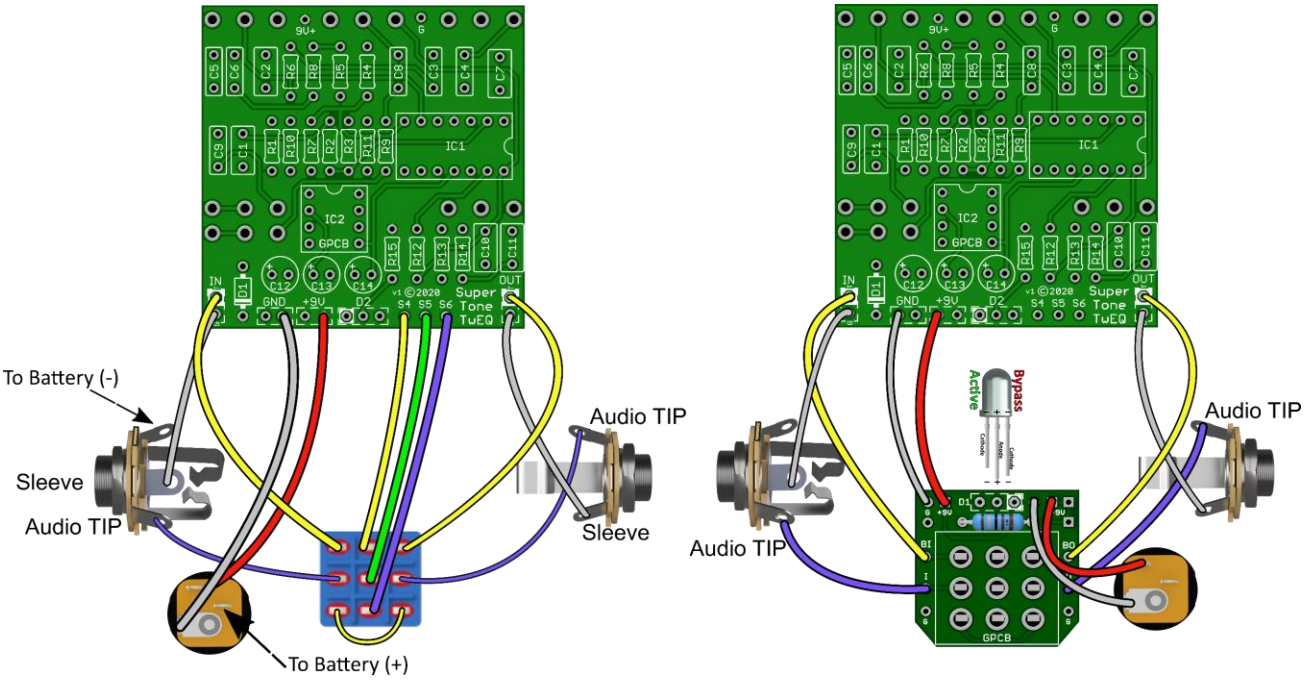
- Improved BASS and TREBLE filter designs.
- Sweep-able MID Frequency bandpass filter using a dual gang potentiometer.
- Dual rail power supply for greater headroom.
- Board mounted pots for simplified construction.



Special thanks to Wilkie1 for all his effort in making this project possible.

Operational Note: Start with all potentiometers in the center position. Boost or cut from there.

Wiring Diagram

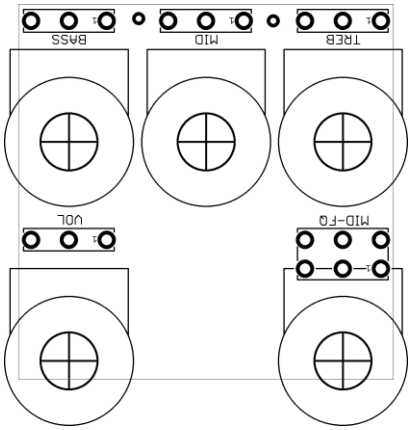


*STATUS LED

Note: If you are using our 3PDT board, you should omit wires and parts from S4, S5 & S6, D2 and R15 (CLR).

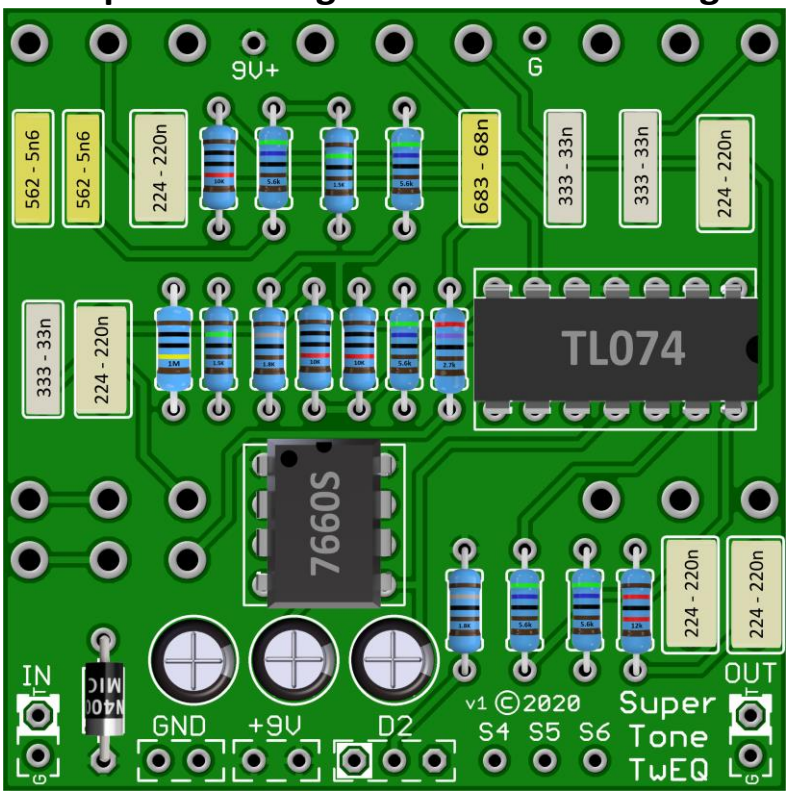
The CLR and LED will be populated on the 3PDT board instead.

Drill Template

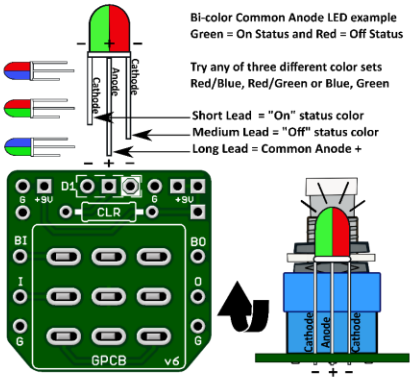


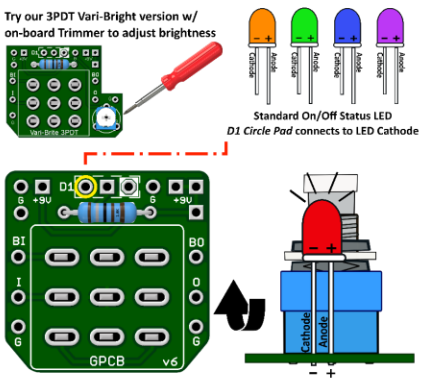
Drill Tips: Measure your components before selecting a drill bit. We recommend drilling the pot holes, mounting the pots in the enclosure, and then soldering the pots to the board. This approach should resolve the issue of the pots not fitting through the holes after soldering. We also recommend you make the holes for the pots a little larger than the threads in case you decide to remove the board and put it back in during the build, to avoid problems. Use this guide at your own risk. Make sure page scaling is turned off when you print this PDF, or the image above may be smaller than expected. Verify everything before drilling.

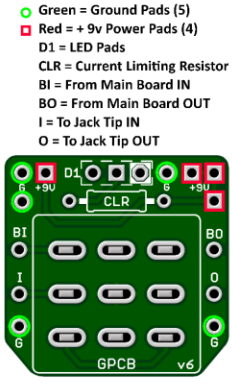
Populated Image for Troubleshooting.

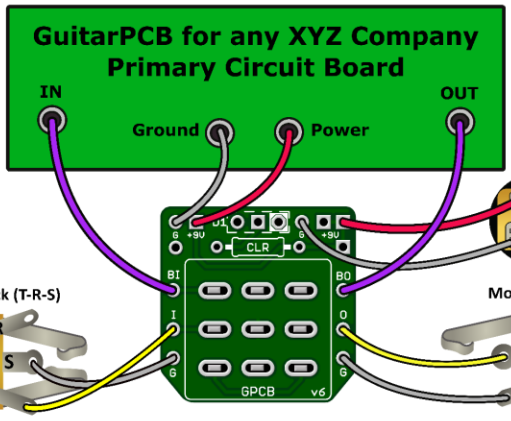


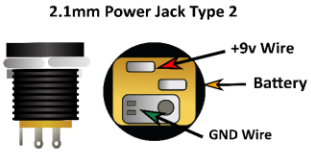
GuitarPCB Tip Sheet



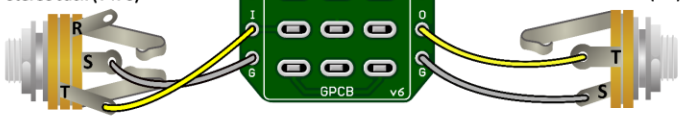






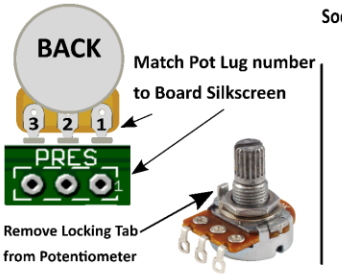


T = Tip
R = Ring
S = Sleeve

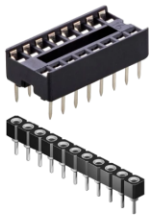


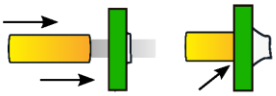
T = Tip
S = Sleeve

Multiple +9v and Ground Pads are convenient hookup points for additional circuits within the same enclosure. This also allows for diverse wiring schemes to suit indiviual needs.



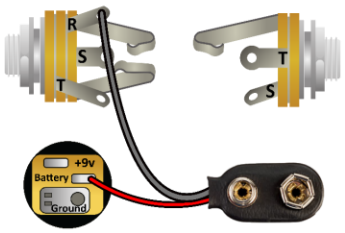
Sockets make troubleshooting easier





When soldering wire to a PCB push the protective PVC jacket flush with the board and pad.

Main Board IN/OUT Pads



Input/Output Jack Wiring

T = Tip | R = Ring | S = Sleeve

A Stereo Jack is only needed if using a Battery. Otherwise use a Mono Jack
Battery Strap RED wire is connected to Power Jack
Battery Strap Black wire is connected to RING (stereo jack)
If wiring an LED to our 3PDT Wiring Board then S4, S5 & S6 are not needed