

Part 3, Attachment 4. Terminal Block Assembly

Wall of Sound.ca Tubelab DIY EL84 Amp

Tools Required:

-Same as previous attachment.

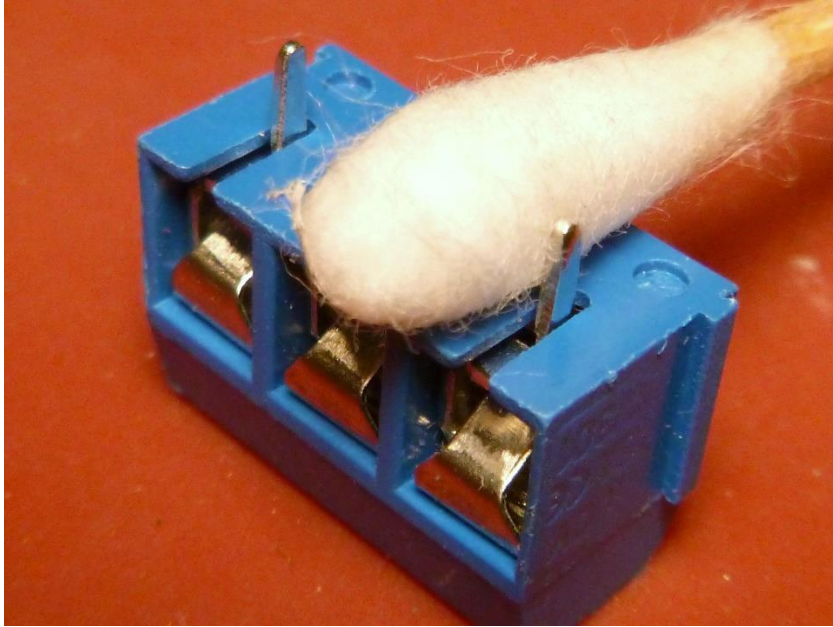
The terminal blocks are assembled to the **UNDER SIDE** of the board.

My practice is to: 1) Press the plastic bodies of terminal blocks tight to the circuit board and 2) Press the metal contact assemblies in the terminal block firmly against its base. The aim is to make the circuit board and terminal blocks as rigid an assembly as possible.

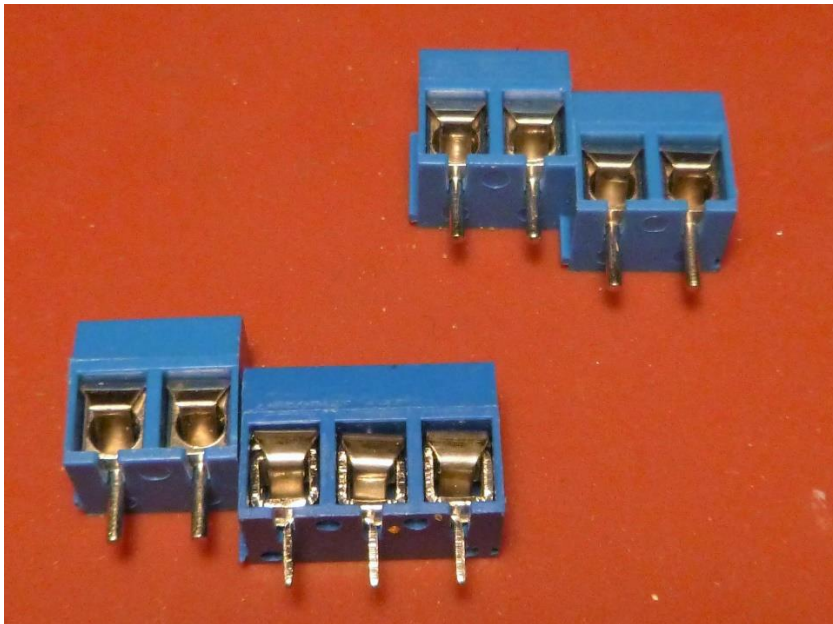
To facilitate this, I made myself a simple little tool from a brad nail covered with a piece of stripped-off Teflon insulation, see below.



This level of detail isn't all that necessary, unless you are as O-C as I.

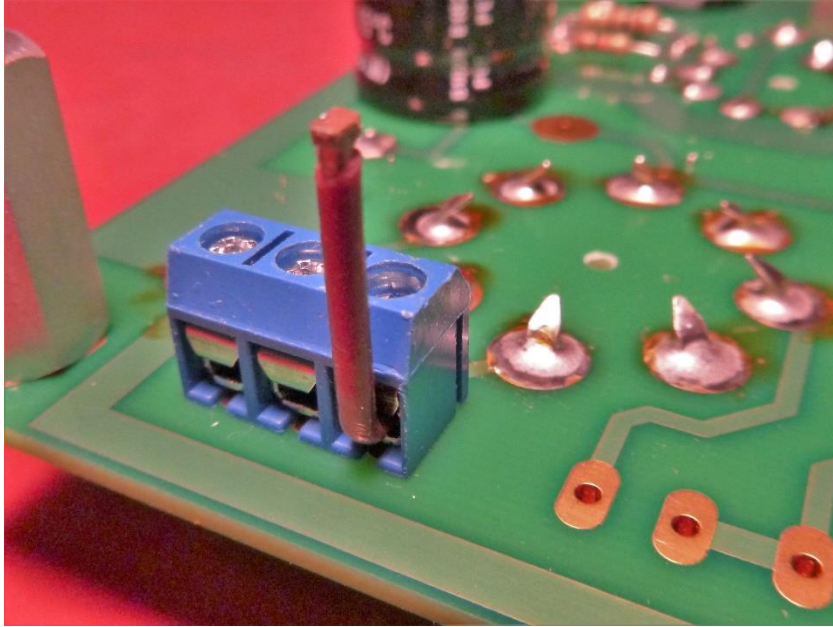


Wipe the terminal block pins with an alcohol-dampened swab.

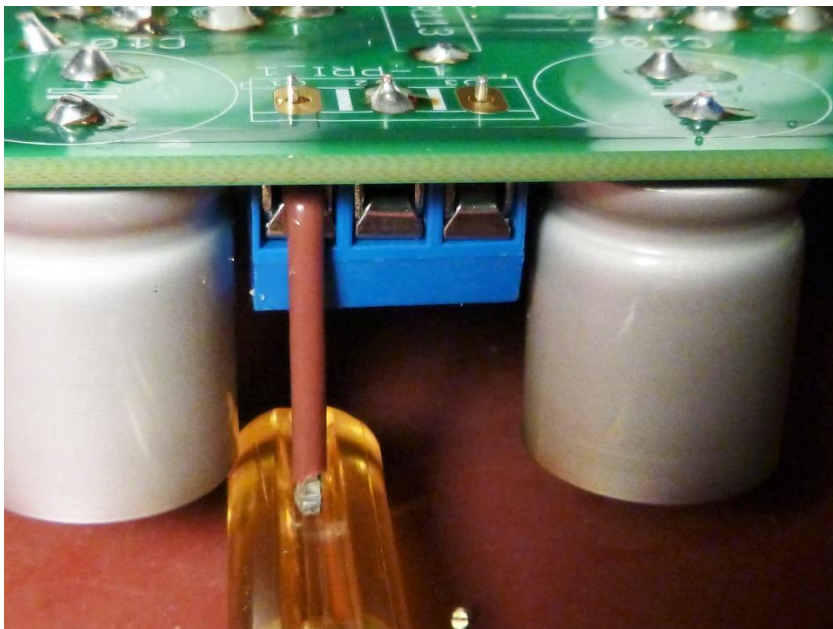


To make a 4-terminal block slide two 2-terminal blocks together.

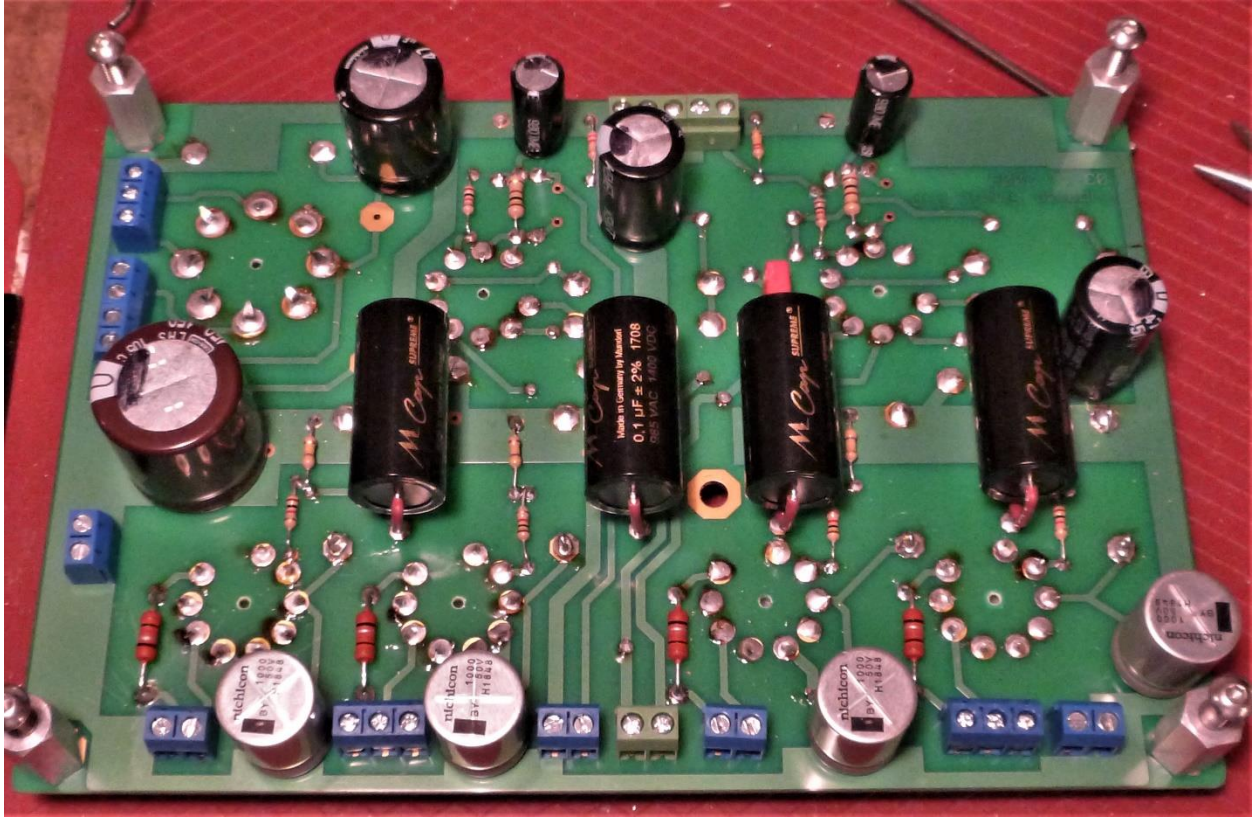
To make a 5-terminal block slide a two 2-terminal block and a 3-terminal block together.



Loosen a screw in the terminal block, insert the tool, tighten the screw then assemble the block to the board.



Flip the board over and prop the tool against something to press the terminal block against the board. Solder the terminal pin to the board then move the tool to the next terminal and repeat the procedure. Yes, it's a bit time consuming.



Work your way around the board inserting 2, 3, 4 or 5-pin blocks as required. I've used green ones and blue as seen above, just for the hell of it.

Remove the threaded spacers temporarily attached to the corners of the board.

That's it, board assembly is complete.

Proceed to Part 4, Attachment 1 for chassis assembly and wiring.