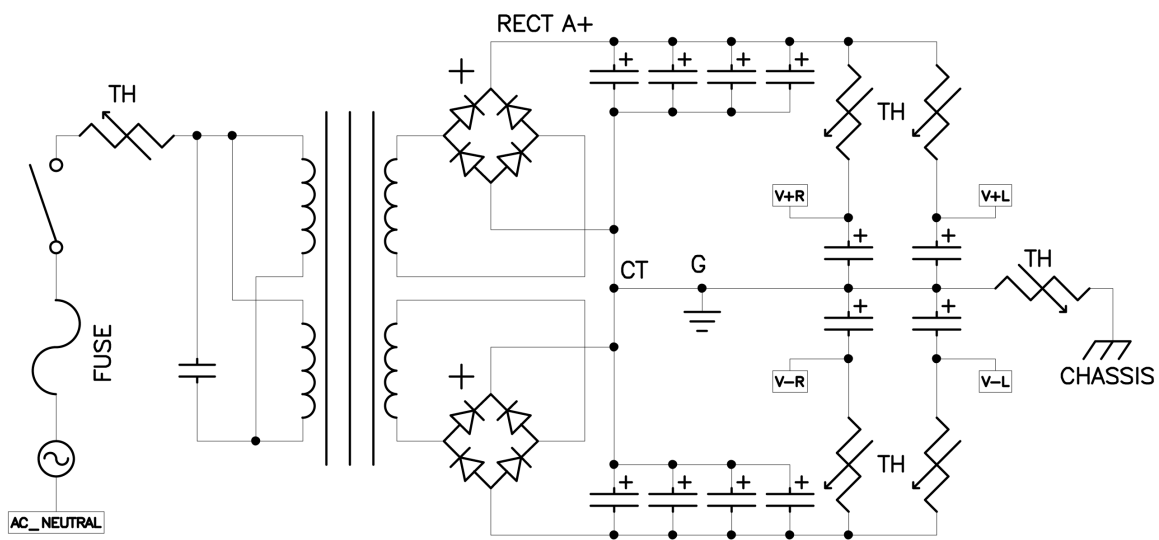
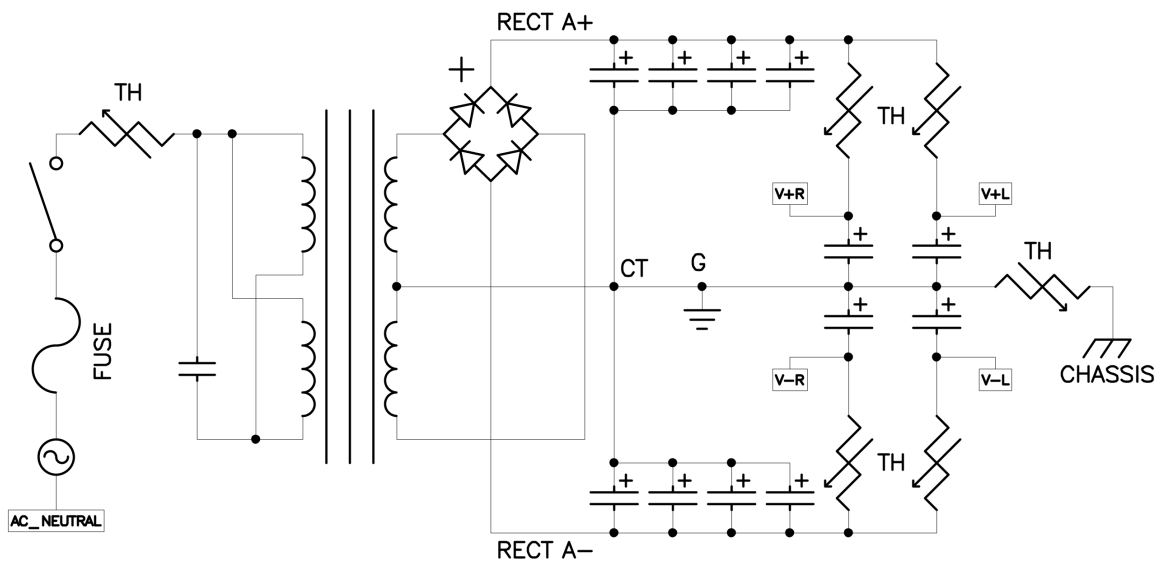


DIY F5M POWER SUPPLY V1R1

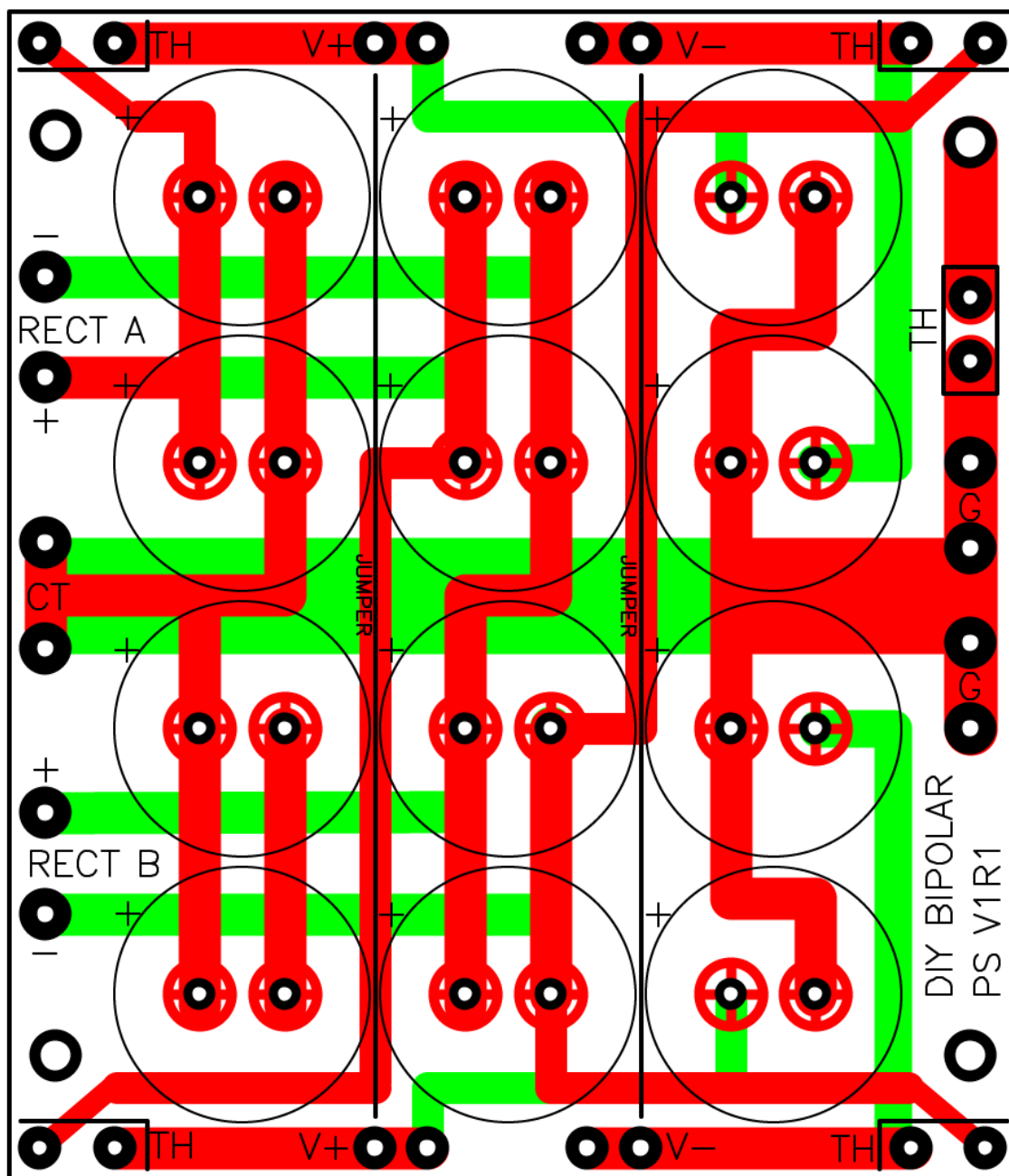
BY NELSON PASS

This is a revision of the power supply circuit board which was initially offered with the F5m amplifier kit. The revision consists of the addition of two thermistors to the RC filtering circuits so that each channel now has its own pair of thermistors, allowing greater amounts of bias current for each channel. As a side benefit it also allows separate filtering for each channel.

The revised schematic of the circuit is shown here in versions for a single rectifier bridge and also two rectifier bridge. If you compare them to the original you will see that the change reflects the additional thermistors and the separation of filtering between the channels.



Here is the image of the circuit board, showing the locations of the thermistors, marked TH. There is also some additional labeling on this board for clarity.



Note also that there are provisions for jumpers between the two channels V+ and V- to allow them to operate in parallel for monoblock operation.

These alterations make it easier to run bias F5m amplifier bias currents above 1 amp per channel and also provide better separation of power filtering between two channels.

This V1R1 version is being supplied by the diyAudio store as of April 2024.