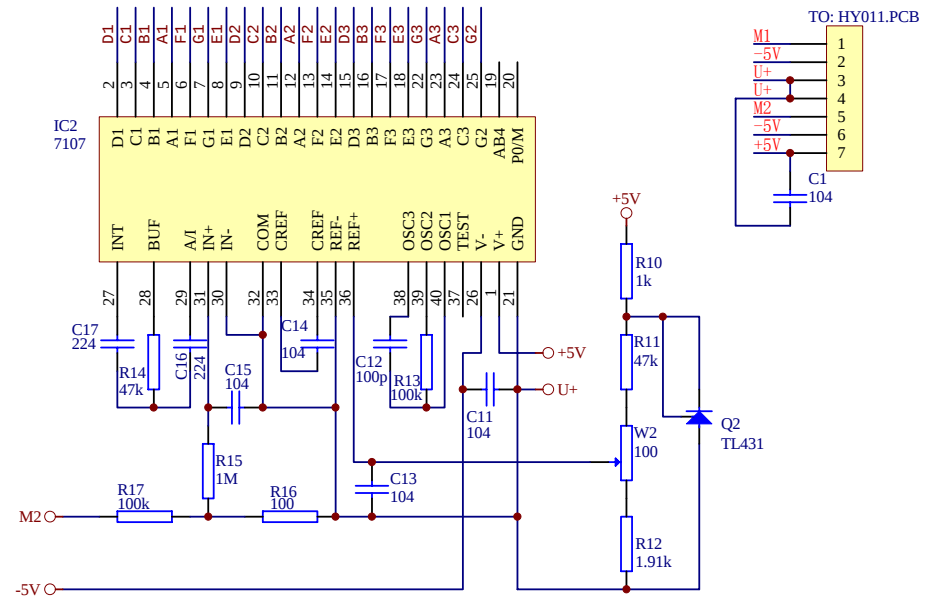
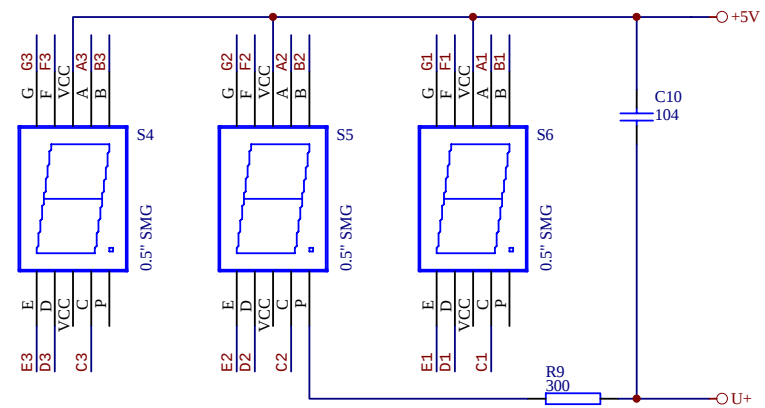
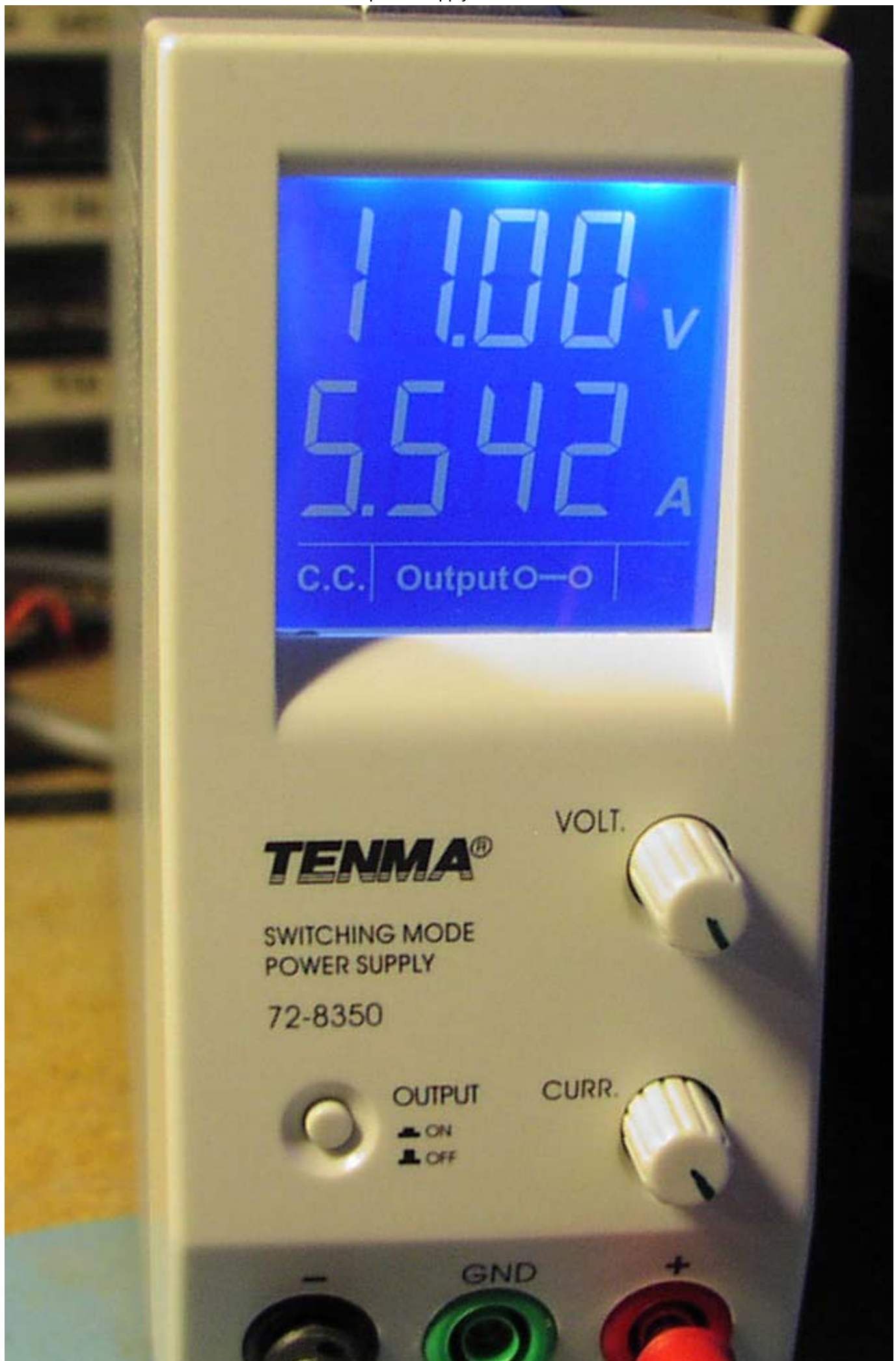




Only for Reference



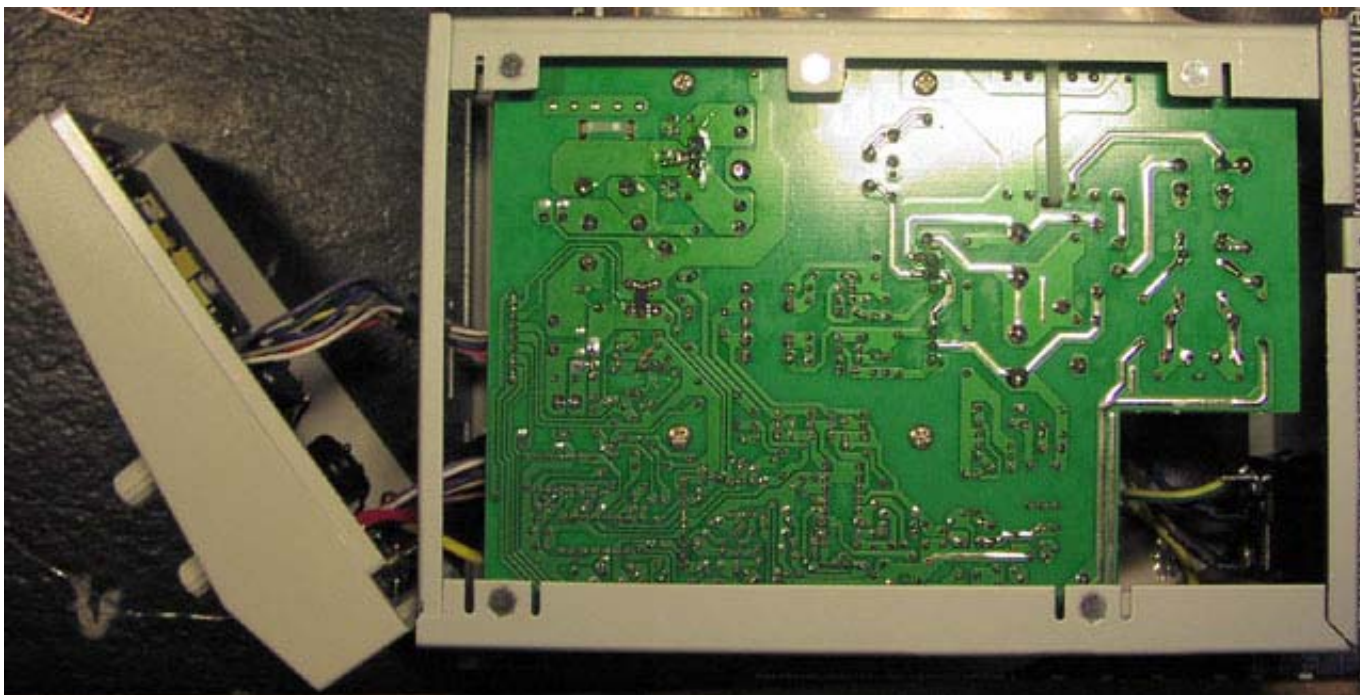
This Tenma power supply is really nice designed and small on the desk too





This size design gives 100 Watt of output power, and comes in 3 different max voltages: 20V 36V and 60V
I got mine at FARNELL order codes:

1573428 for the 20V version, 1573427 for the 36V version, 1573426 for the 60V version.



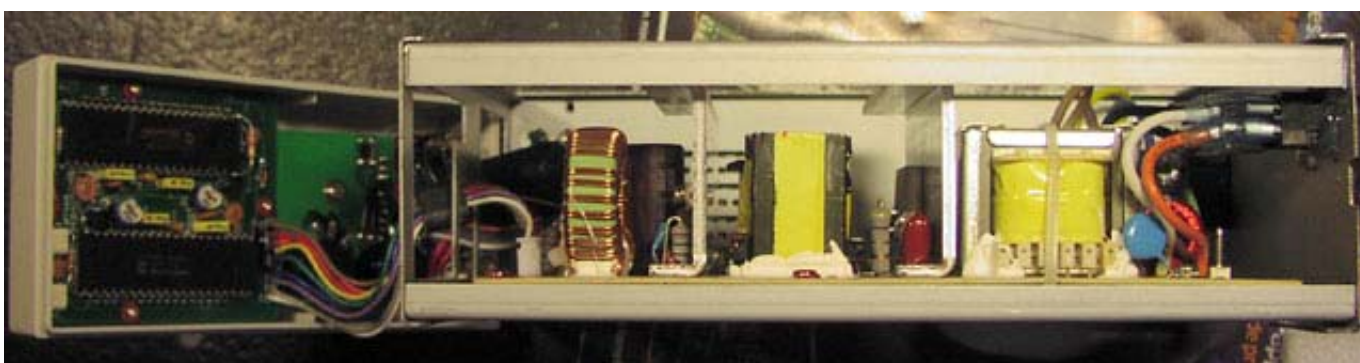
as always several things are not smart, and users must modify things to get it as they like.. I am used to it.

1 display is so much lit you almost need sun glasses to look at it, this will wear LED light fast. (change a resistor value)

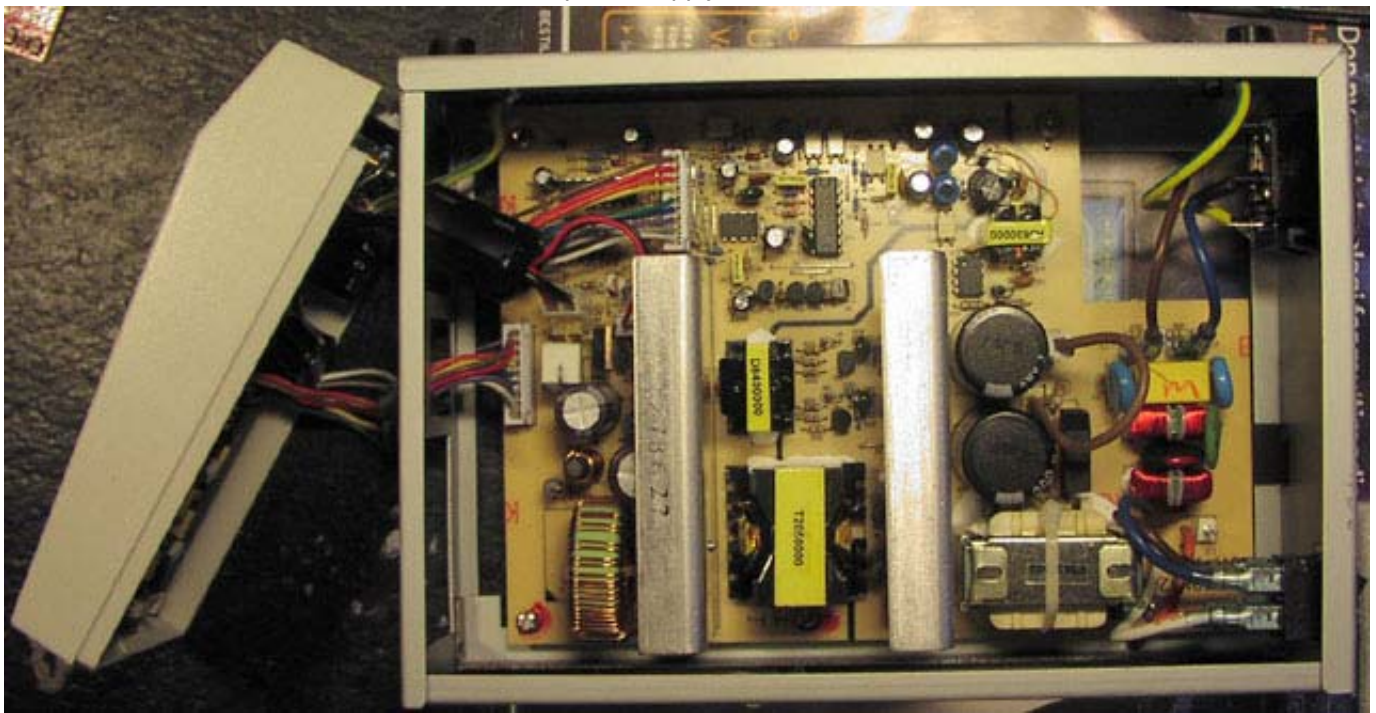
2 display refresh rate is almost 1hz ! way to slow, drove me mad after 2 days. (add two speed up resistors)

3 supply is completely floating even when you have proper earthing, so potential danger to some circuits (add 1 meg resistor)

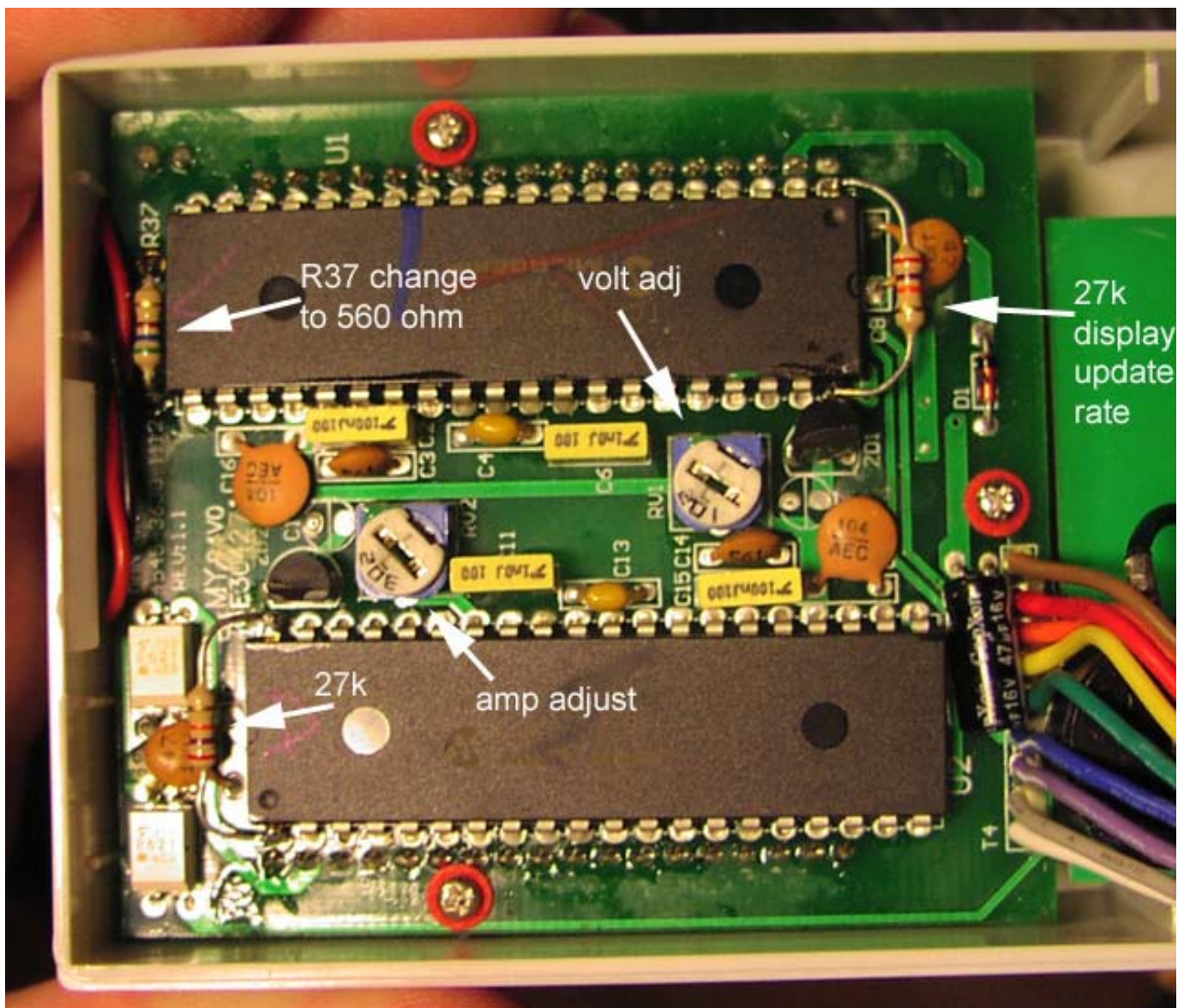
4 potentiometer knobs are small and in combination with normal 270 deg potentiometer voltage is hard to adjust (change pot to multiturn)



The case and board is of high quality, the feel and look is good

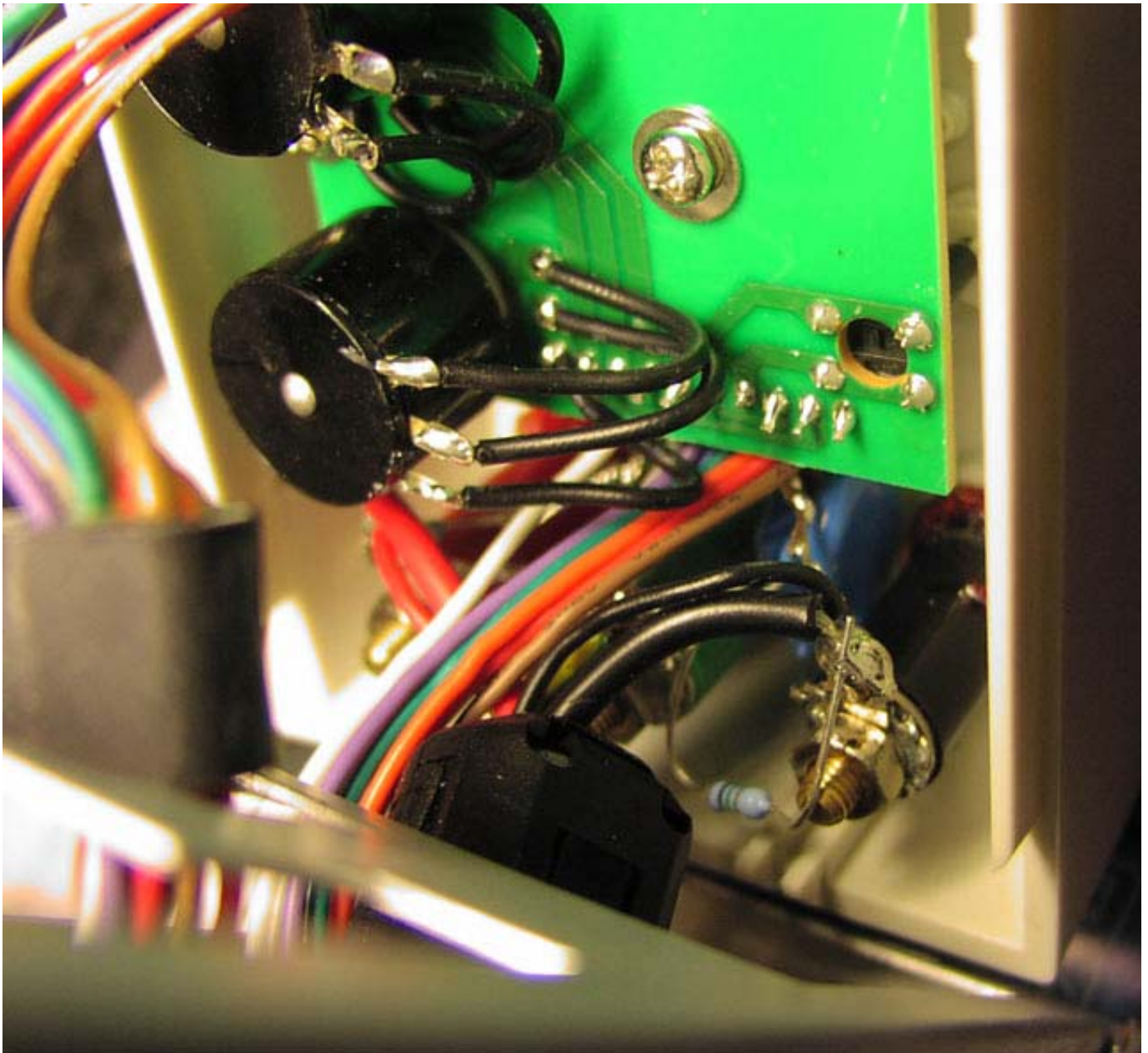


The front come of easy with a smart press up system, be carefull with the thinn wires and sharp metal edge



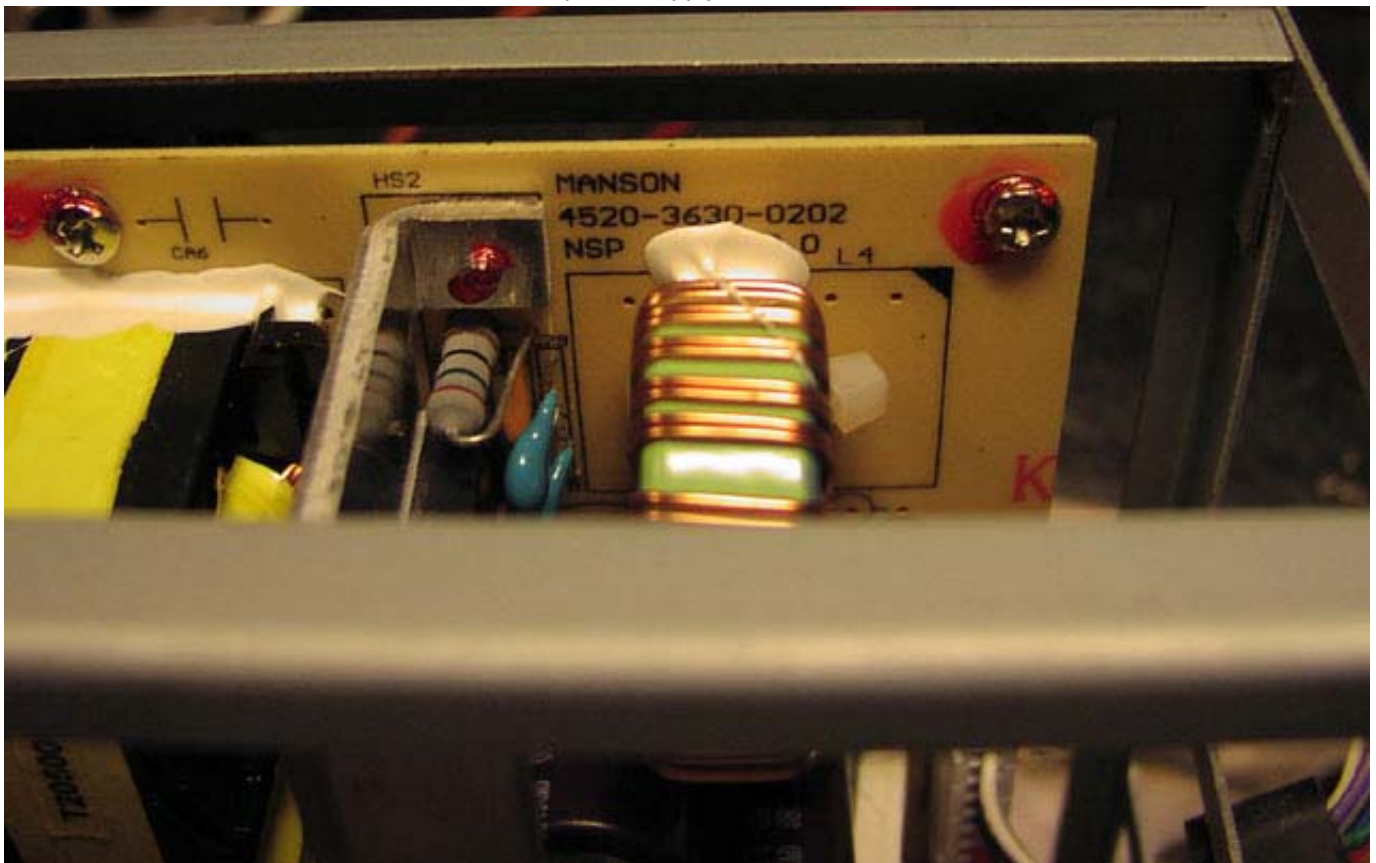
Here are the mods performed on the display board:

R37 was 390 ohm the series resistor to LED light, I changed it to 560 ohm, you can go even a bit more up if you like to dimm it more

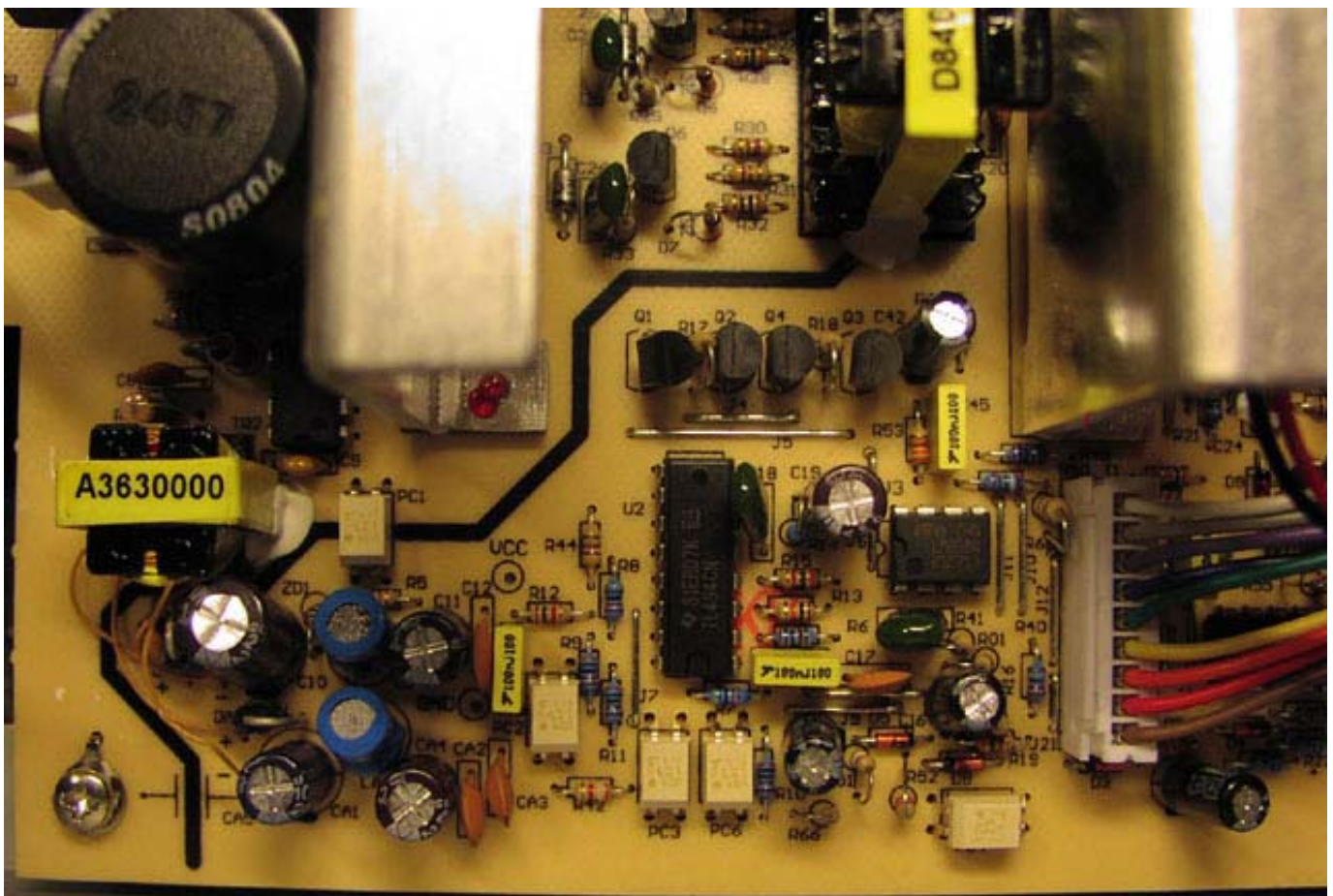


Here the earth to ground 1 meg resistor, this will keep the capacitors discharged, so you don't fry critical electronics

also note the potentiometers are kinda cheap type but a little bit too small for the good quality multiturn, and the shaft is only 4mm or so, so I need to look a bit more to find a good multiturn for those. (10K for the voltage)



no big surprise to see this supply is designed by manson,
I have several other PSU's from manson all needed some kinds of modifications before I was happy



as always you see a TL494, see this is easy stuff to repair and mod if needed.

[tenma modded and org.mpg](#) video clip show modded and original update rate. 5MB