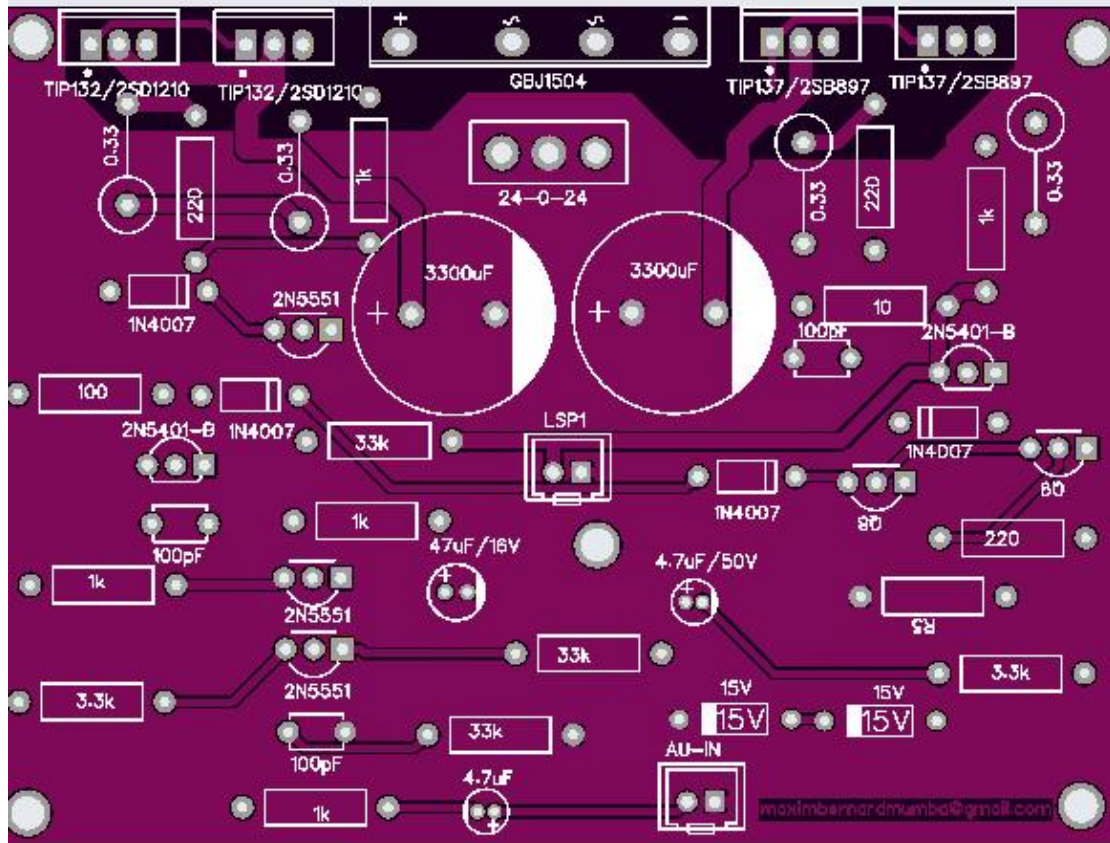
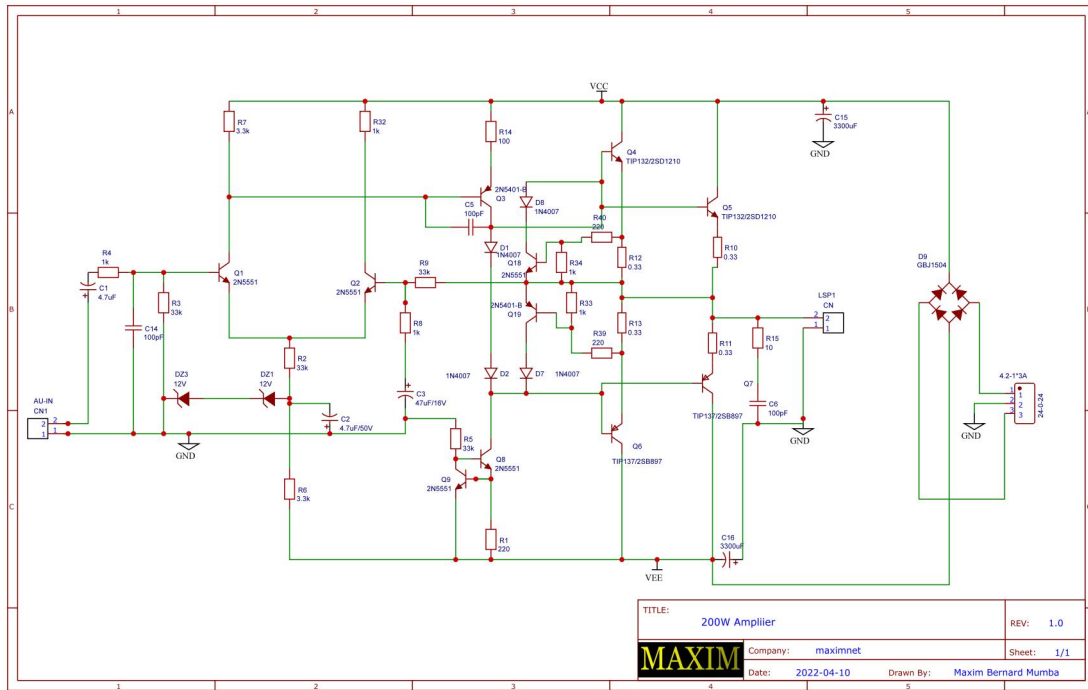


250W Audio Amp

Y40-2730073





The above is the assembly circuit diagram for 200W Audio Amp and can be used to build amplifiers ranging from 50W (Mono) to 300W.

- ✧ When you build the circuit as it is shown above and use only 1 TIP137 and 1 TIP132 the amplifier works at 50W and building it as a standard circuit as in a diagram it goes up to 200W. replacing TIP132, TIP137 with TIP142T and TIP132T will make this AMPLIFIER work at power in excess of 300W.
- ✧ Note that AC input voltage is less than DC voltage at the rectifier. The voltage rise by the factor $\sqrt{2}$ that is to say when your transformer's out put is 24-0-24 volts DC output voltage will be +35V-0-(-35V). the standard circuit above can work at all voltages ranging from 22-0-22 to 32-0-32 AC.
- ✧ Never use the circuit at the voltages above +/-36 or else it will brow off. You can use bigger output transistors to make the circuit work at higher voltages and they should have break down voltage above 200V.

The standard circuit above can work at voltages ranging from AC 18V-0-18V to 27V-0-27V and use centre tapped transformer. The standard components are shown on a PCB above which is now in a classic purple.

At lower voltages R7 can be replaced with 2k2 instead of 3k3 and R2 with 22k respectively. And you can enjoy the amplifier at voltages even less than 20-0-20 unless but otherwise.