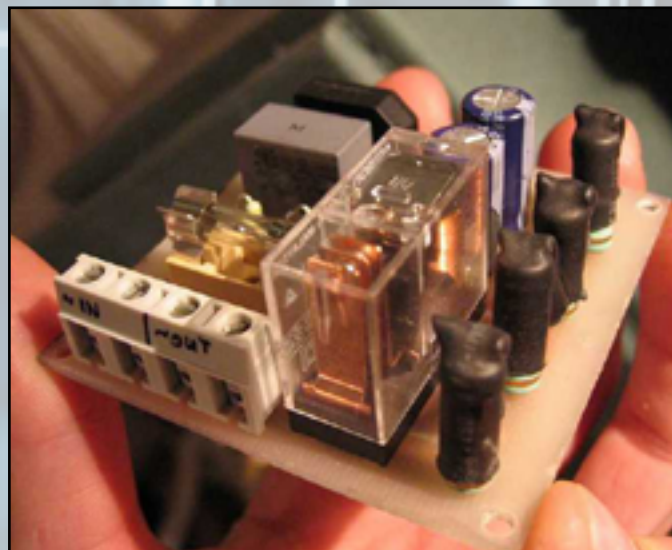
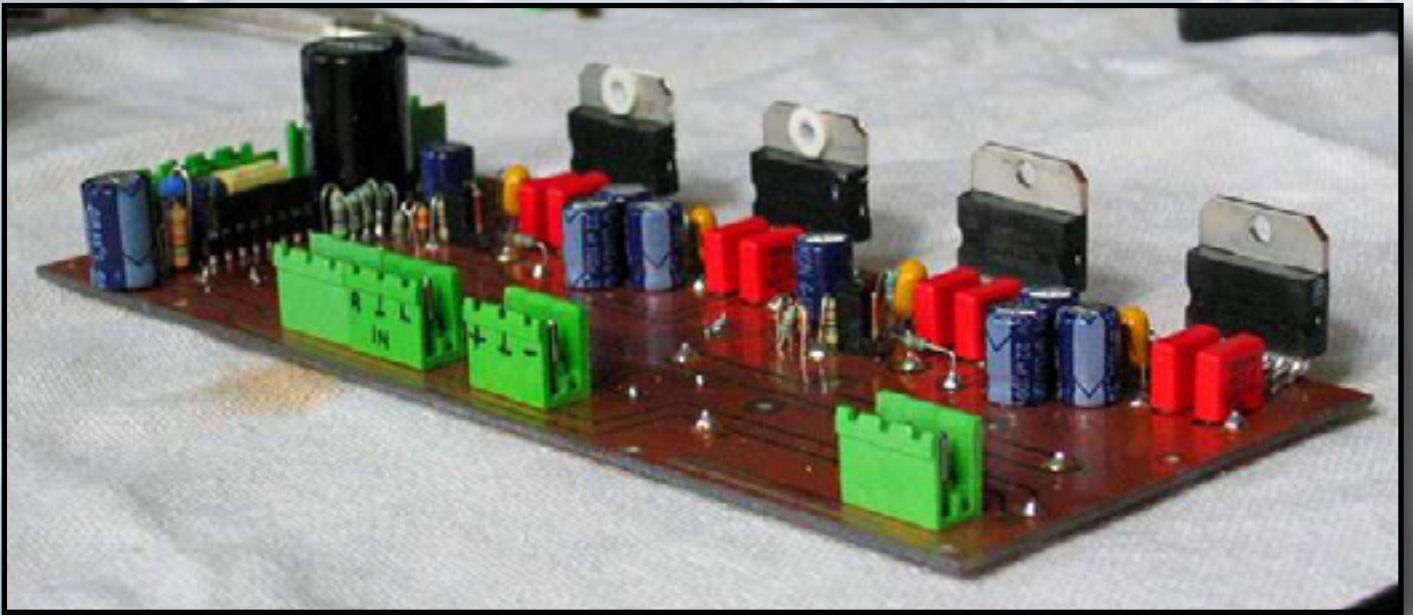


TDA 7293 or 7294 bridged poweramp project



Schematics, images, PCB, and another images about TDA729x bridge project

This project made for **instrument amplifier project** not for home HI-FI users. The amplifiers on this documents are assembled and working very well. The TDA Bridge power-amp have more than enough output power for keyboards or guitars. Marshall and for example Carsbro using this solution on their amplifiers (Marshall mode Four, and Carlsbro GLX100). The **PCB of Bridged TDA** is very **easy to assemble, and very stable** for long term and heavy usage.

The Bridge-Parallel is not recommended. Very hard to build and assemble, the PCB is large, great heatsink and high-power transformer required.

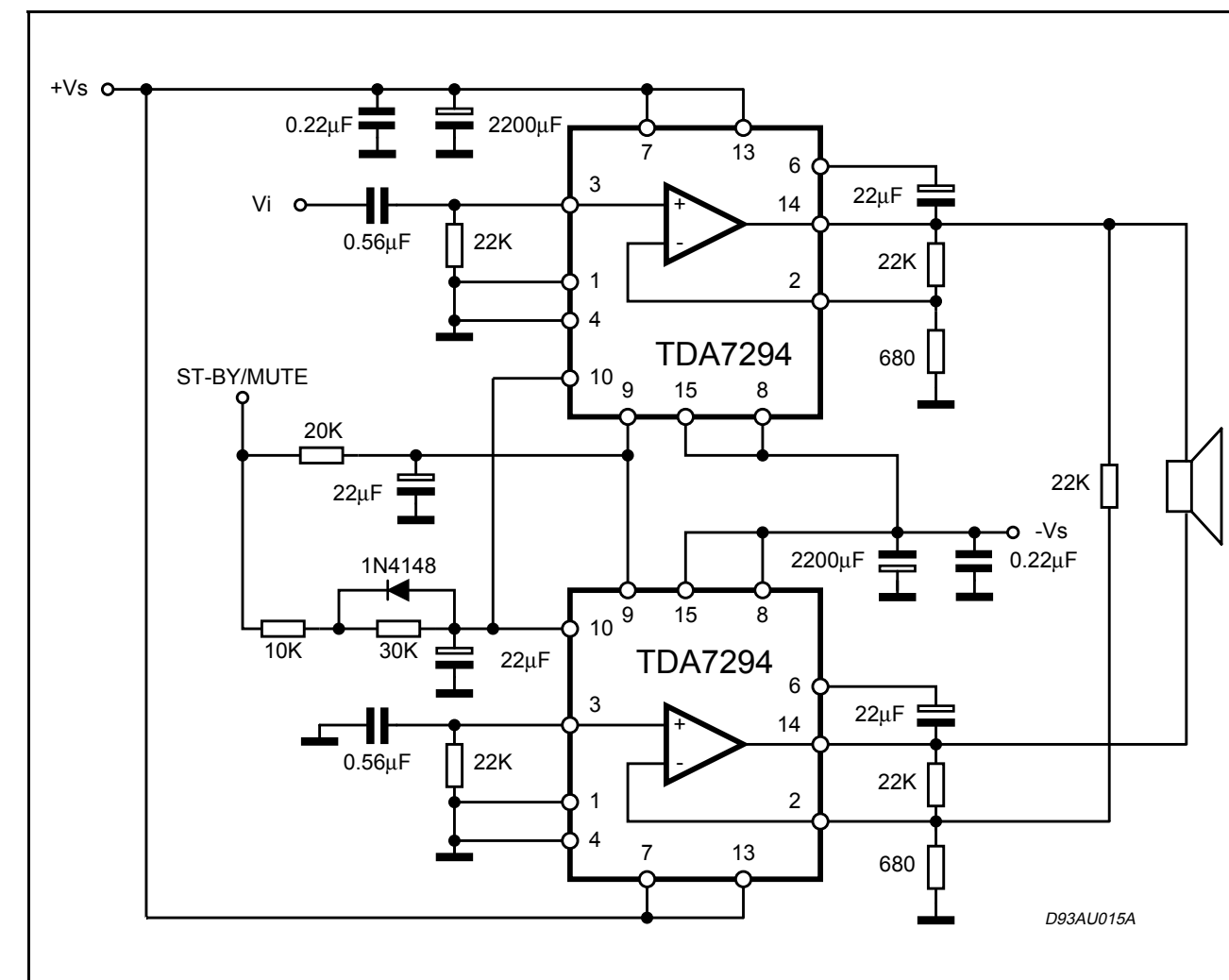
English blog and PCB order: <http://custompcb.blogspot.com/>
Hungarian blog and PCB order: <http://diygitarpa.blogspot.com/>
[The Youtube Channel](#) • **[Picasa gallery](#)** • Email: gitarfogas@gmail.com

Images (on Google Picasa) about this project:
[7294 bridged](#) • [7293 bridged and paralleled](#) • [The soft start](#) • [The power supply](#)

Schematics for TDA 729x bridge amp project

Schematic of the bridged TDA poweramp

Figure 25: Bridge Application Circuit



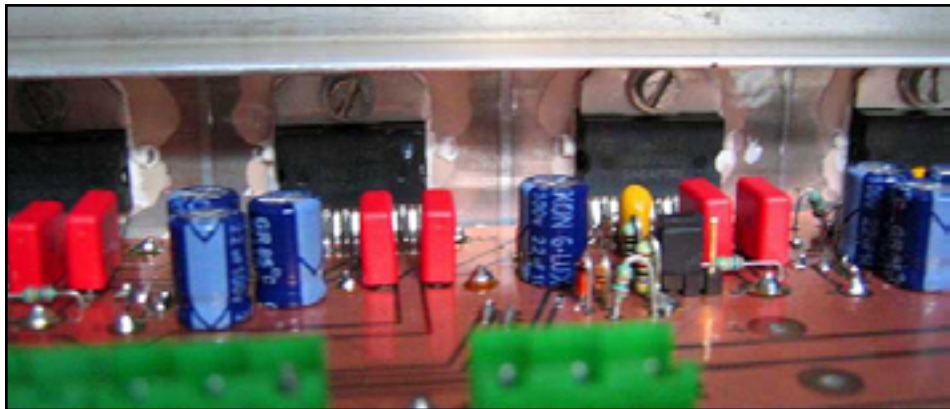
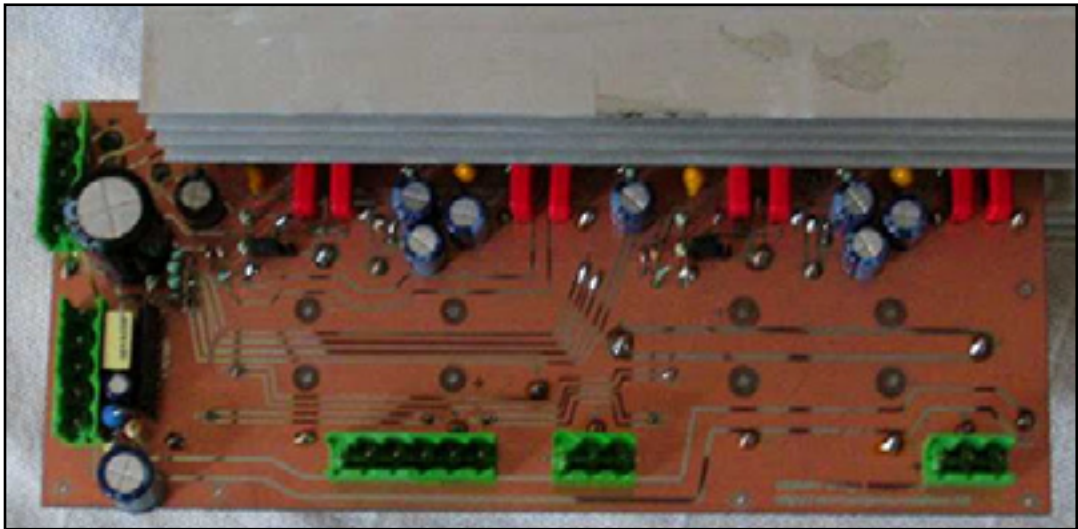
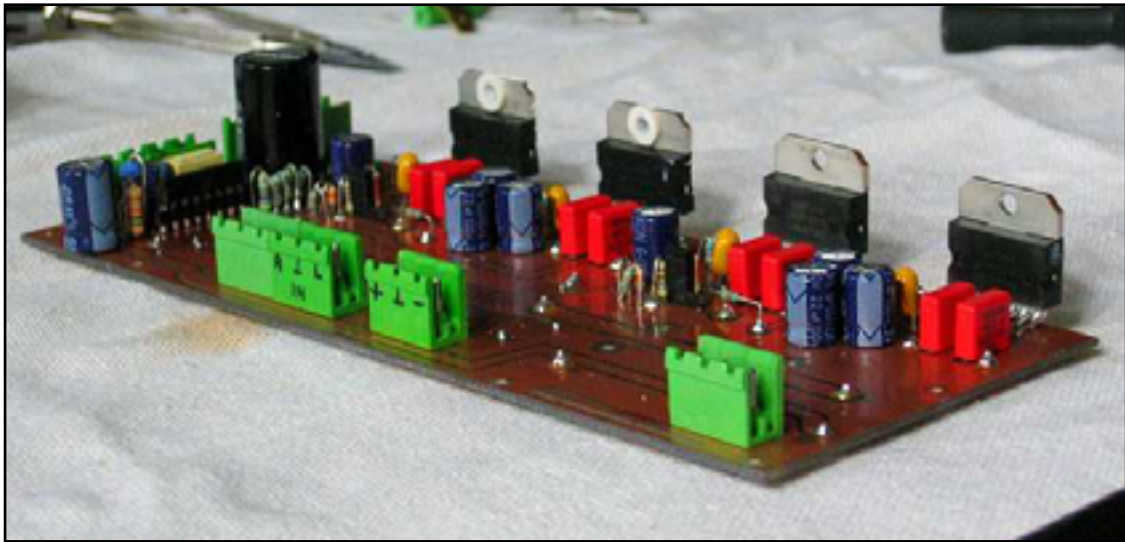
Schematics, images, PCB, and another images about TDA729x bridge project	2
Schematic of the bridged TDA poweramp	3
Images about TDA7294 bridged poweramp.	4
Schematic of speaker protection	5
Schematic of power supply and the soft-start for toroid transformer	6
The assembled poweramp and speaker protection PCB	7
Images about the power supply and soft-start for poweramp.	8
More power: the paralel TDA project.	9
Schematic of the bridged-paralleled TDA7293 poweramp	10
Images about TDA7293 bridged-paralleled poweramp.	12
The assembled poweramp and speaker protection PCB	13

8 Ohm	4 Ohm	
W	W	V
85	120 ¹⁾	± 20
125	175 ¹⁾	± 26
150	210¹⁾	± 29
180 ¹⁾	250 ²⁾	± 33
220¹⁾	300²⁾	± 40

1 - Bridged
2 - Bridged + parallel

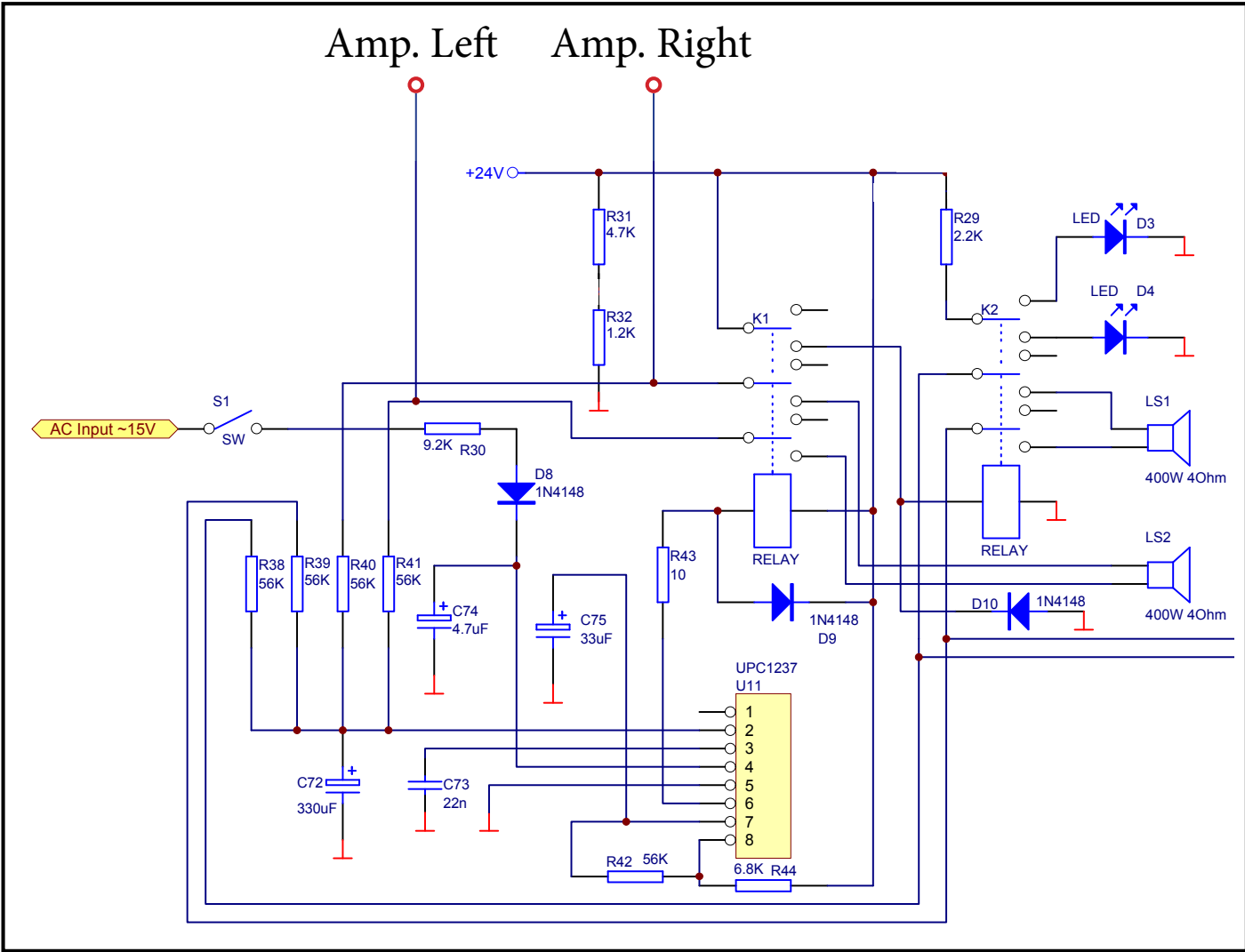
Images about TDA 729x bridge amp project

Images about TDA7294 bridged poweramp



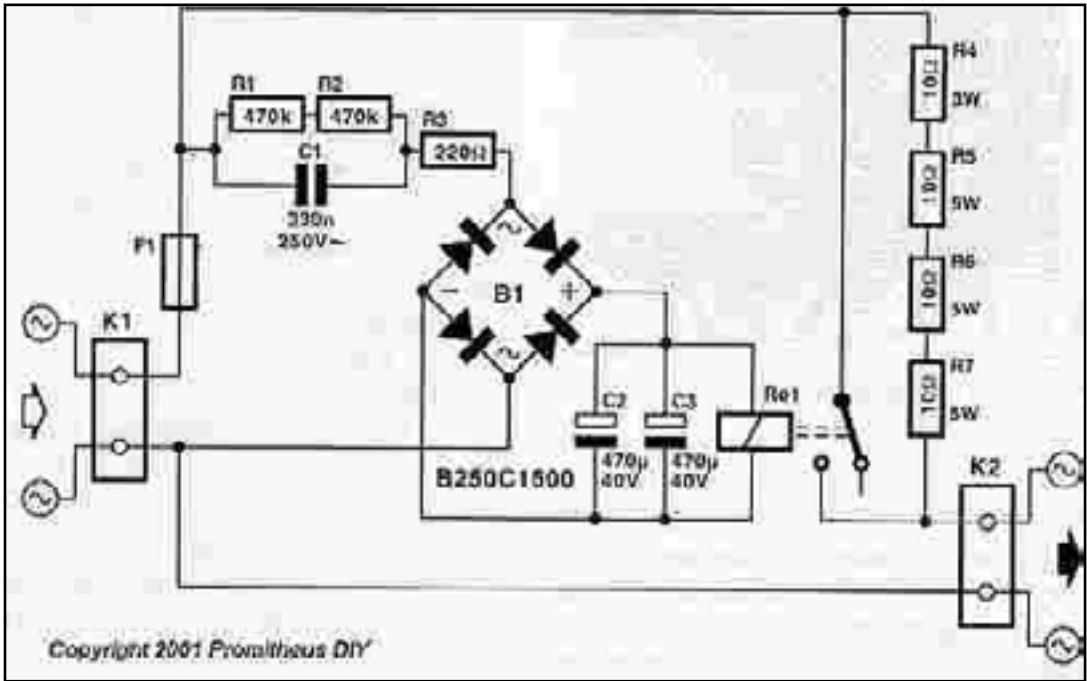
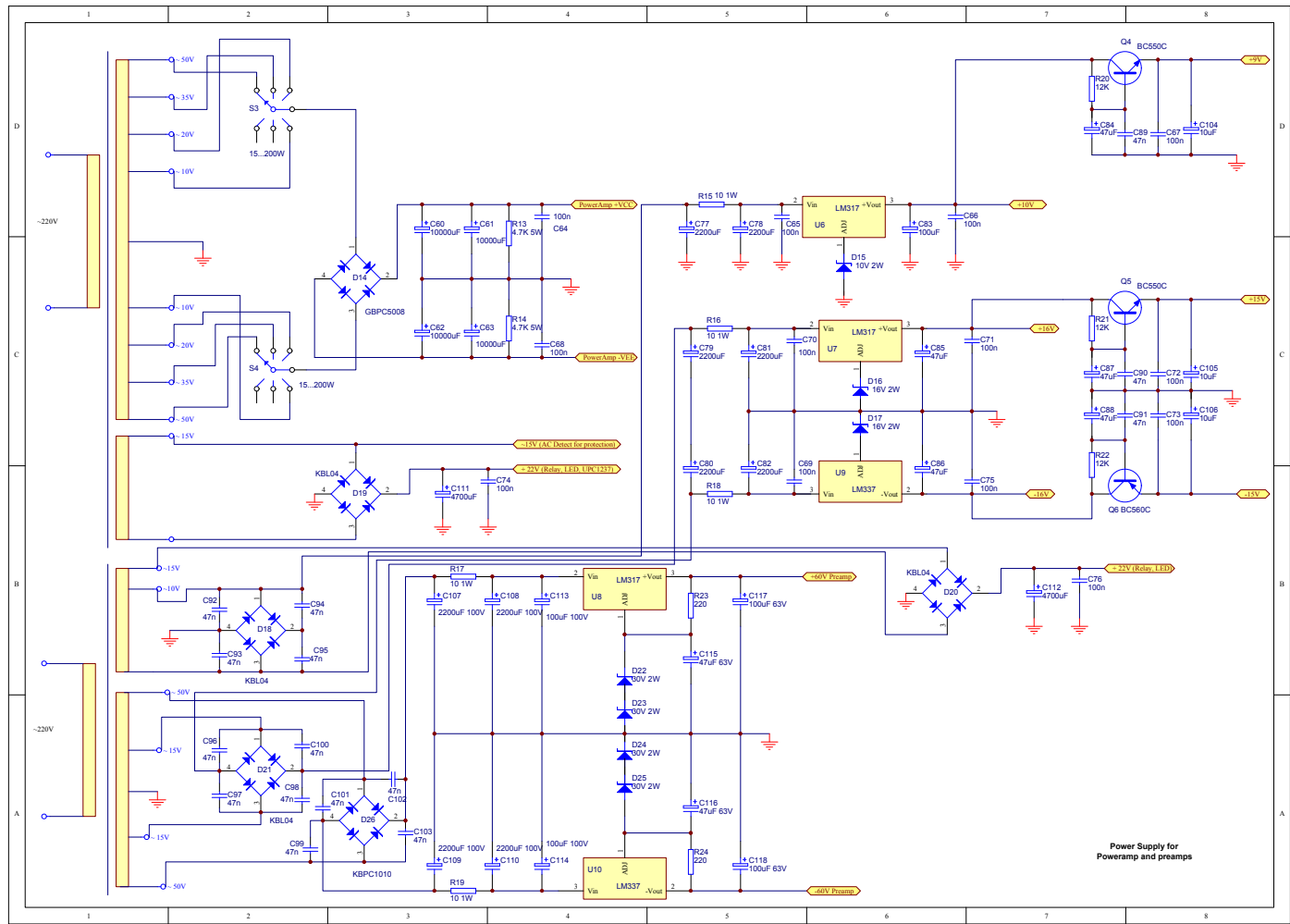
Schematics for TDA 729x bridge amp project

Schematic of speaker protection



Schematics for TDA 729x bridge amp project

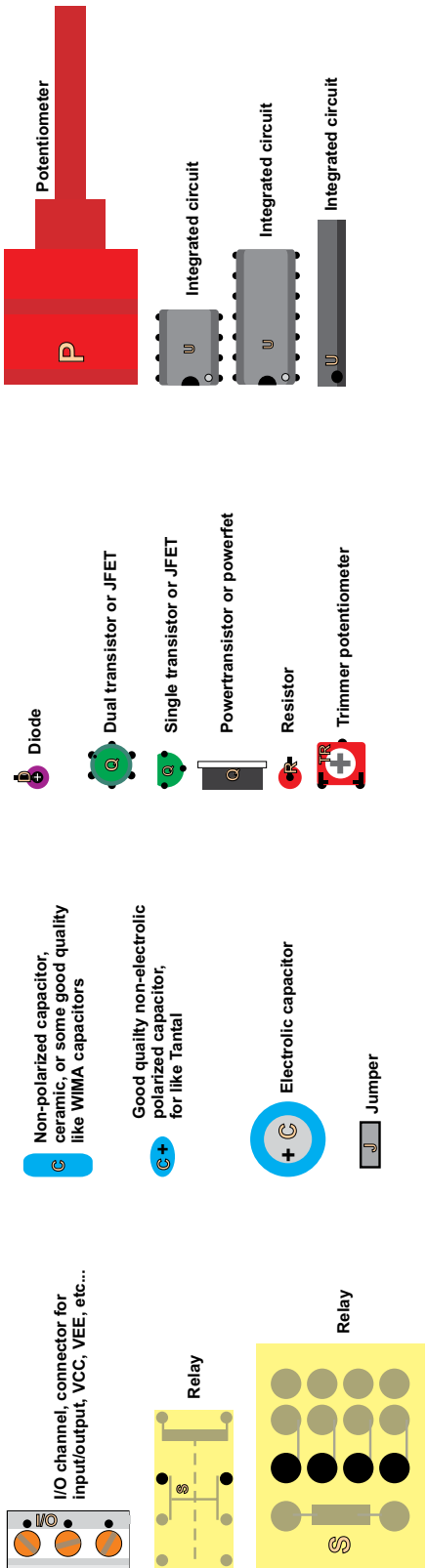
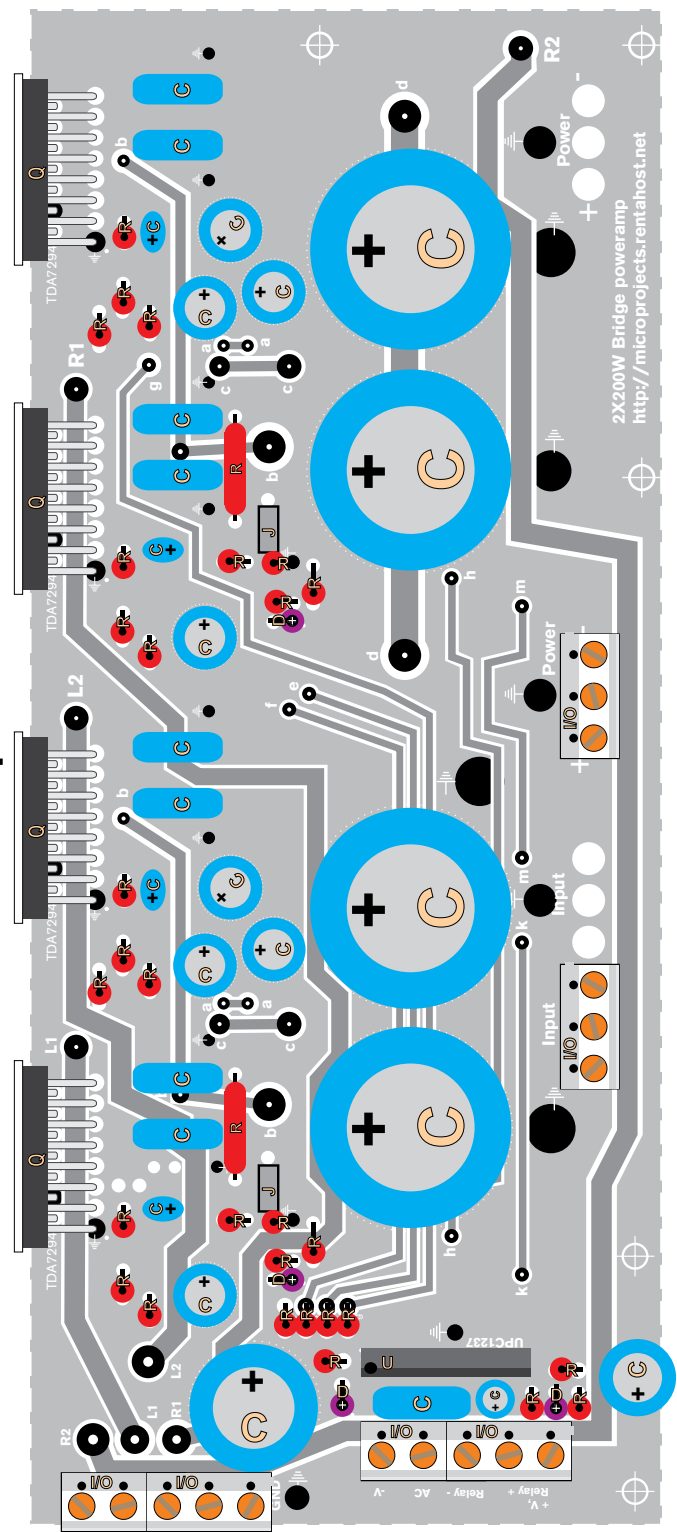
Schematic of power supply and the soft-start for toroid transformer



Schematics for TDA 729x bridge amp project

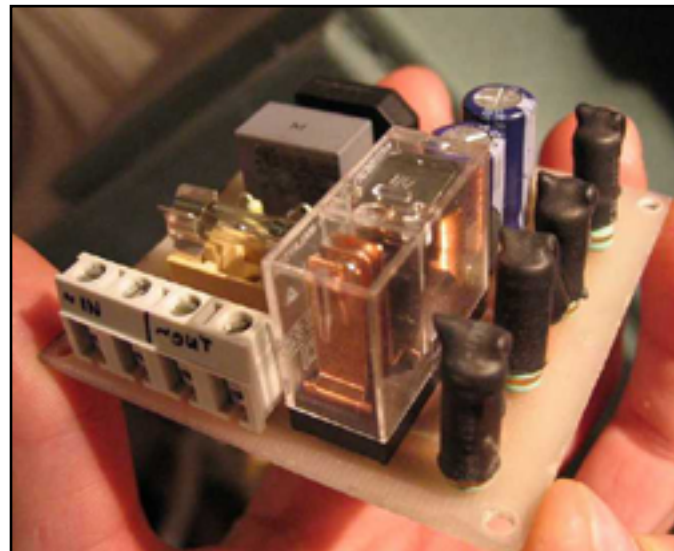
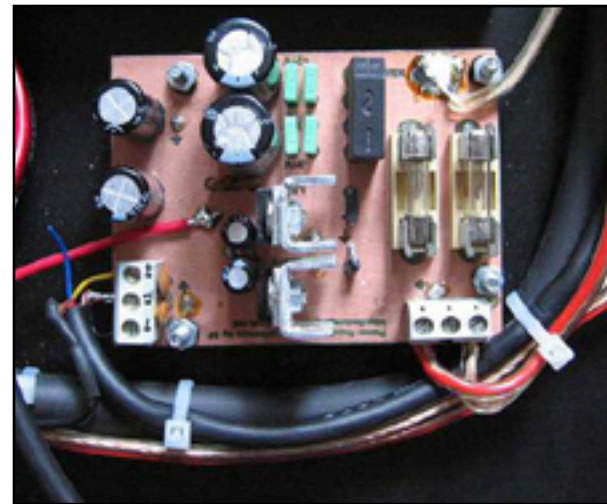
The assembled poweramp and speaker protection PCB

2 X TDA7294 Bridge with protection



Images about TDA 729x bridge amp project

Images about the power supply and soft-start for poweramp



More power: the paralel TDA project

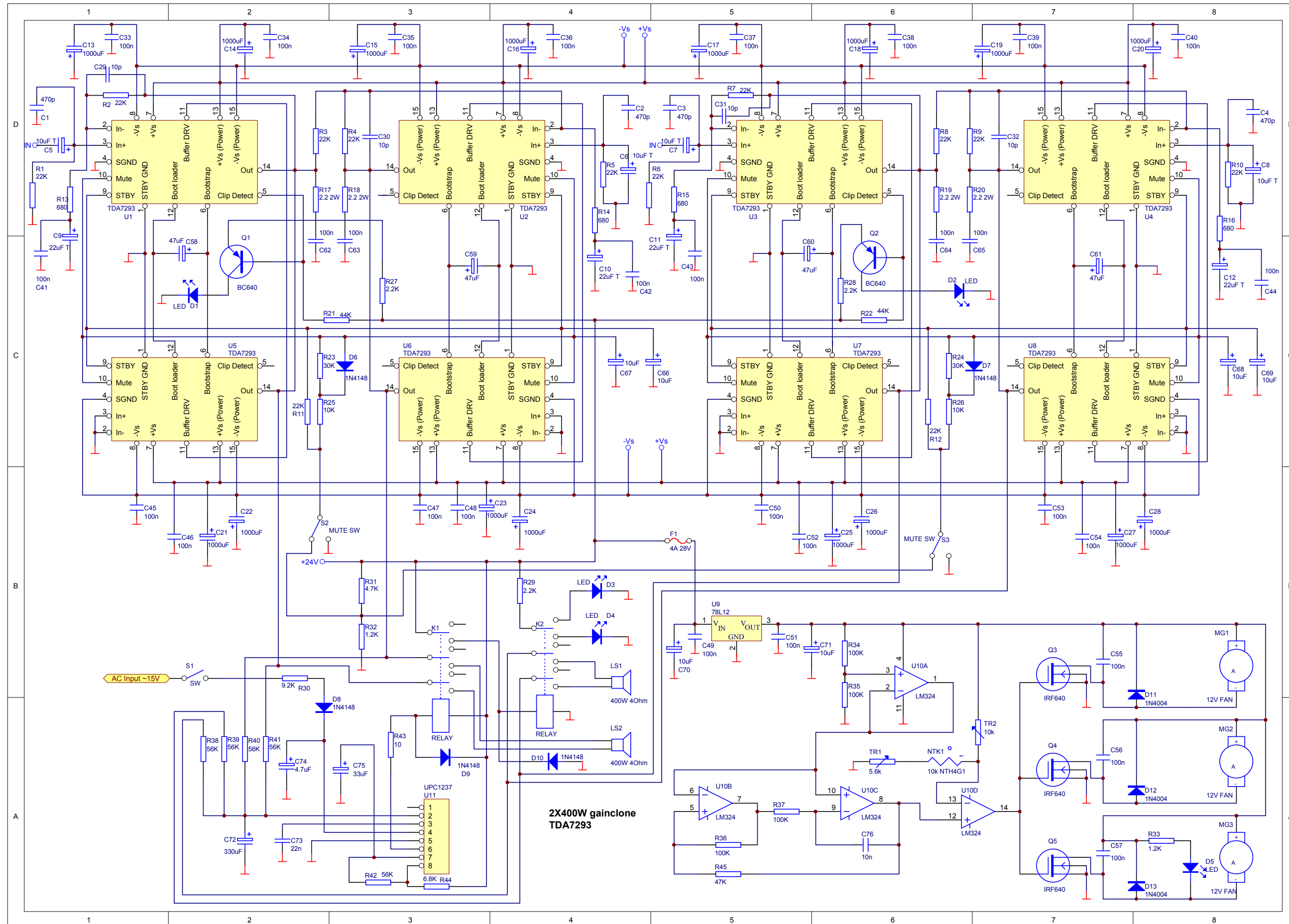
**The Bridge-Parallel project is
not recommended
for average users.**

Very hard to build and assemble, the PCB is large, great heatshink and high-power transformer required. The power is more than 2x300W, but not stable and quiet like a simple paralleled amplifier. The cheaper "gainclone" TDA7294 not useful for this parallel version, the 7293 or 7294s have higher costs. Not only the one "gainclone" have higher price, 8 circuits required to try this.

**Make sure that you have enought knowledge and devices to done
this if you decide to try out.**

Schematics for TDA 7293 bridge-parallel amp project

Schematic of the bridged-paralleled TDA7293 poweramp

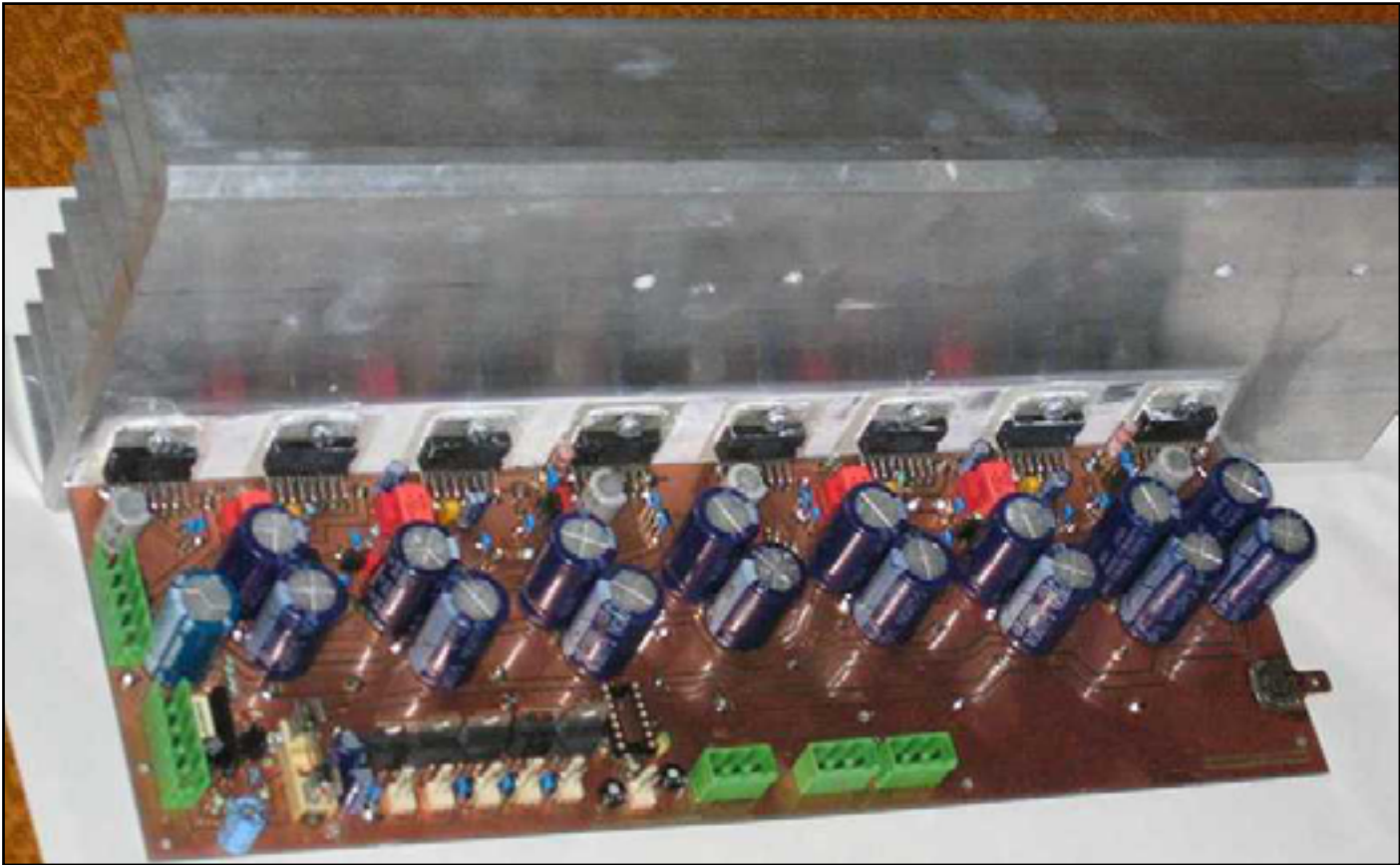


Images about TDA 7293 amp project

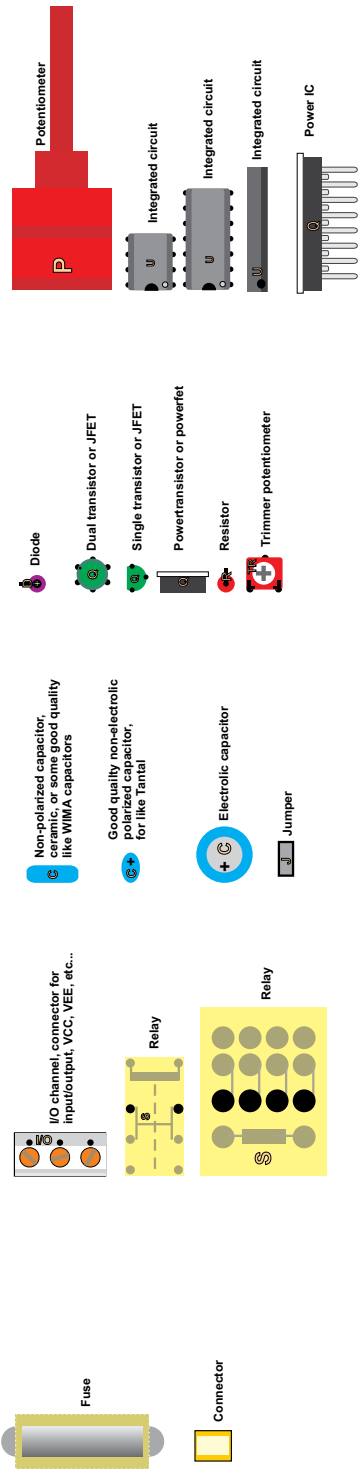
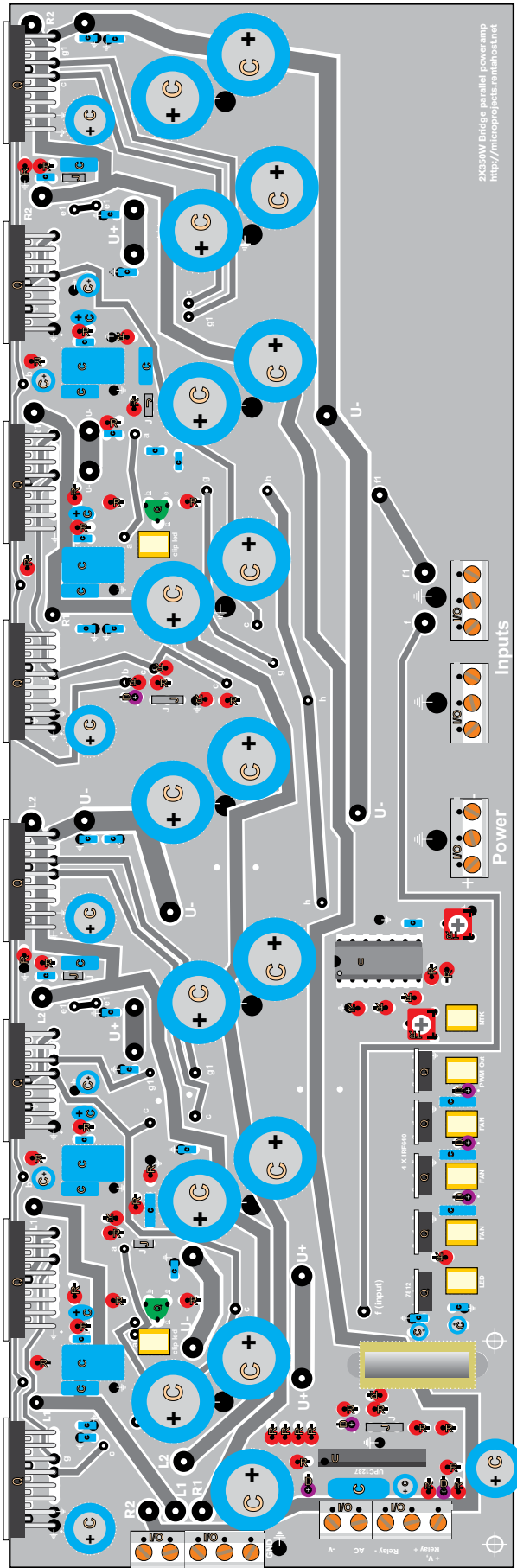
Images about TDA7293 bridged-paralleled poweramp

Visit the Picasa gallery of this project:

<https://picasaweb.google.com/105028544937175433650/My2x400WRackPACircuit>



2 X TDA7293 Bridge/Parallel
with protection



PCB for TDA 7293 bridge amp project

The assembled poweramp and speaker protection PCB