⌀ ANTUMBRA

FADE

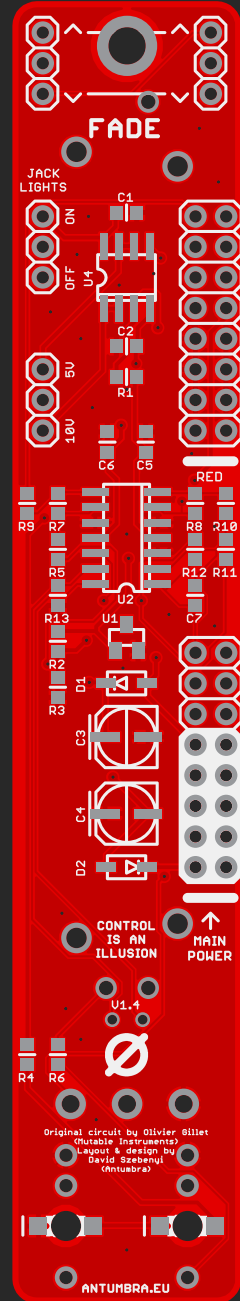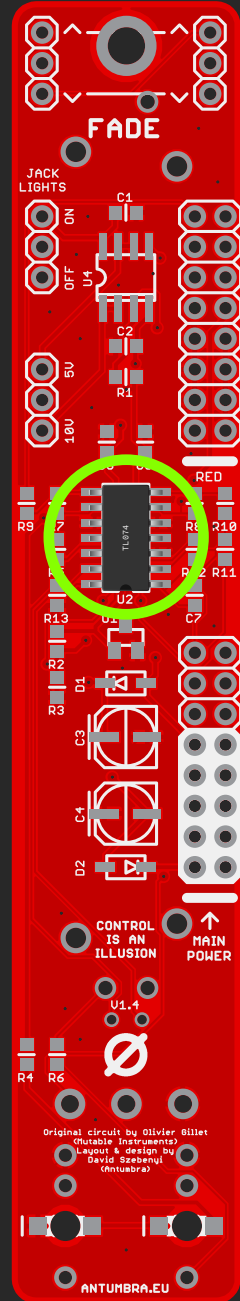## BUILDING INSTRUCTIONS

PCB V1.4

01. BUILD NOTES

Before you start building look through the build manual so that you'll be familiar with the building process and you won't run into any surprises! :)
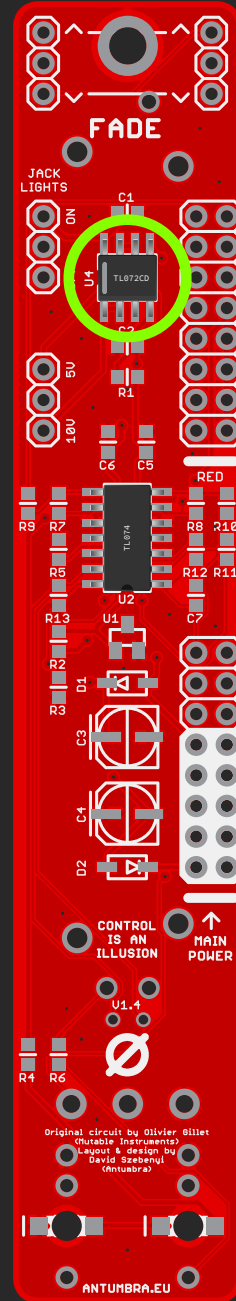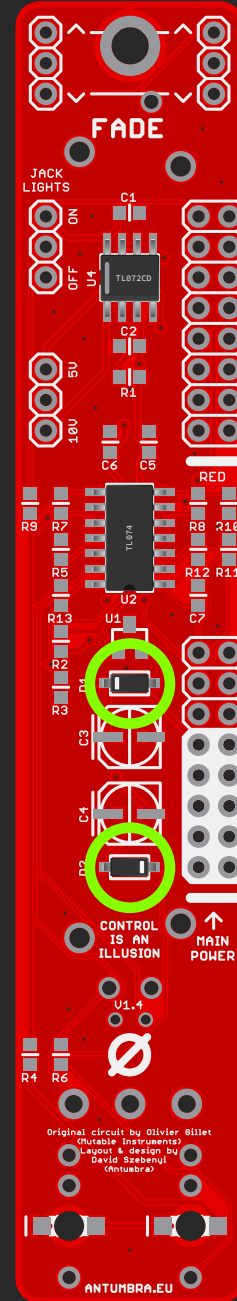
Good luck!

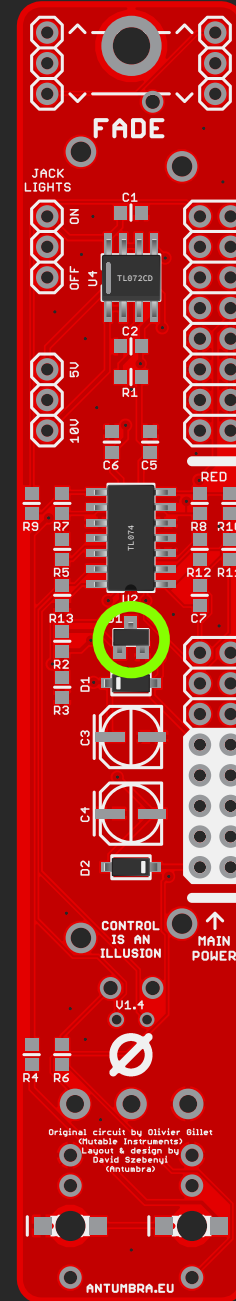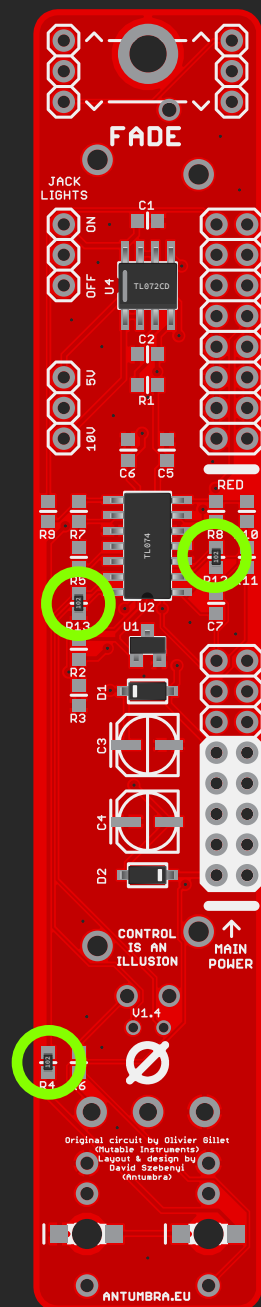# 02. BACK

00. Orient the PCB as seen on the left.

01. Solder the TL074, it's orientation can be determined by the slope on one of it's sides. They should align up with the line on the PCB.
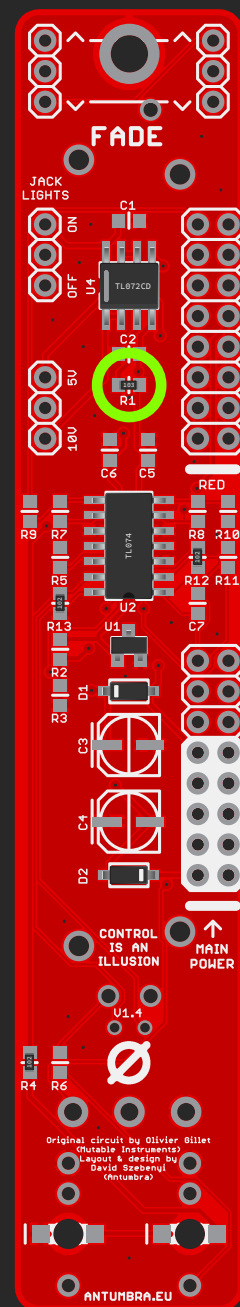
02. Solder the TL072 opamp (check orientation as you did in the previous step).

03. Solder the diodes, check the marking on them, they should align with the white lines as on the graphic.
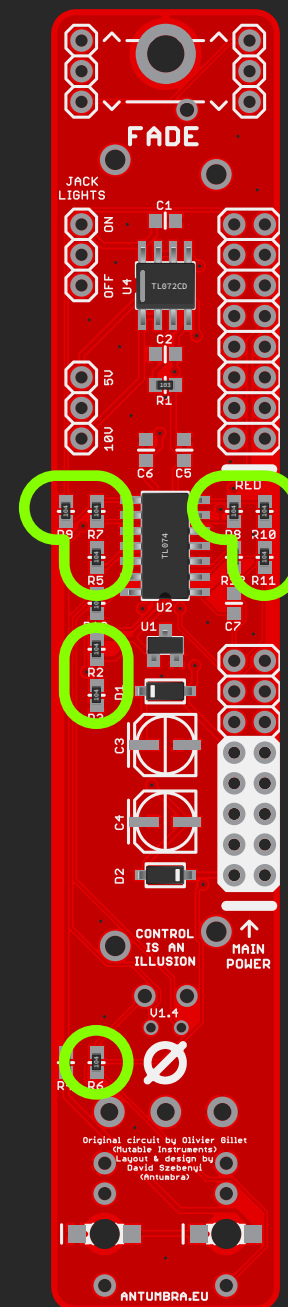
04. Solder the LM4040.

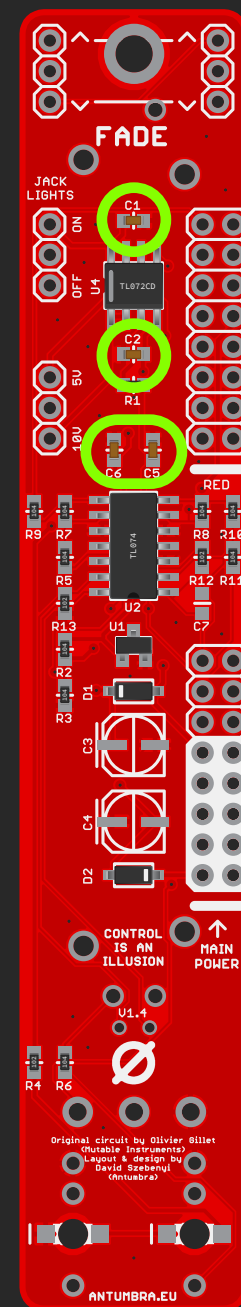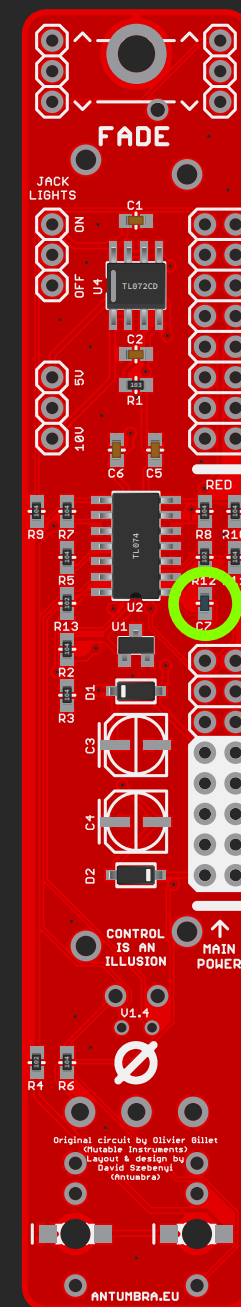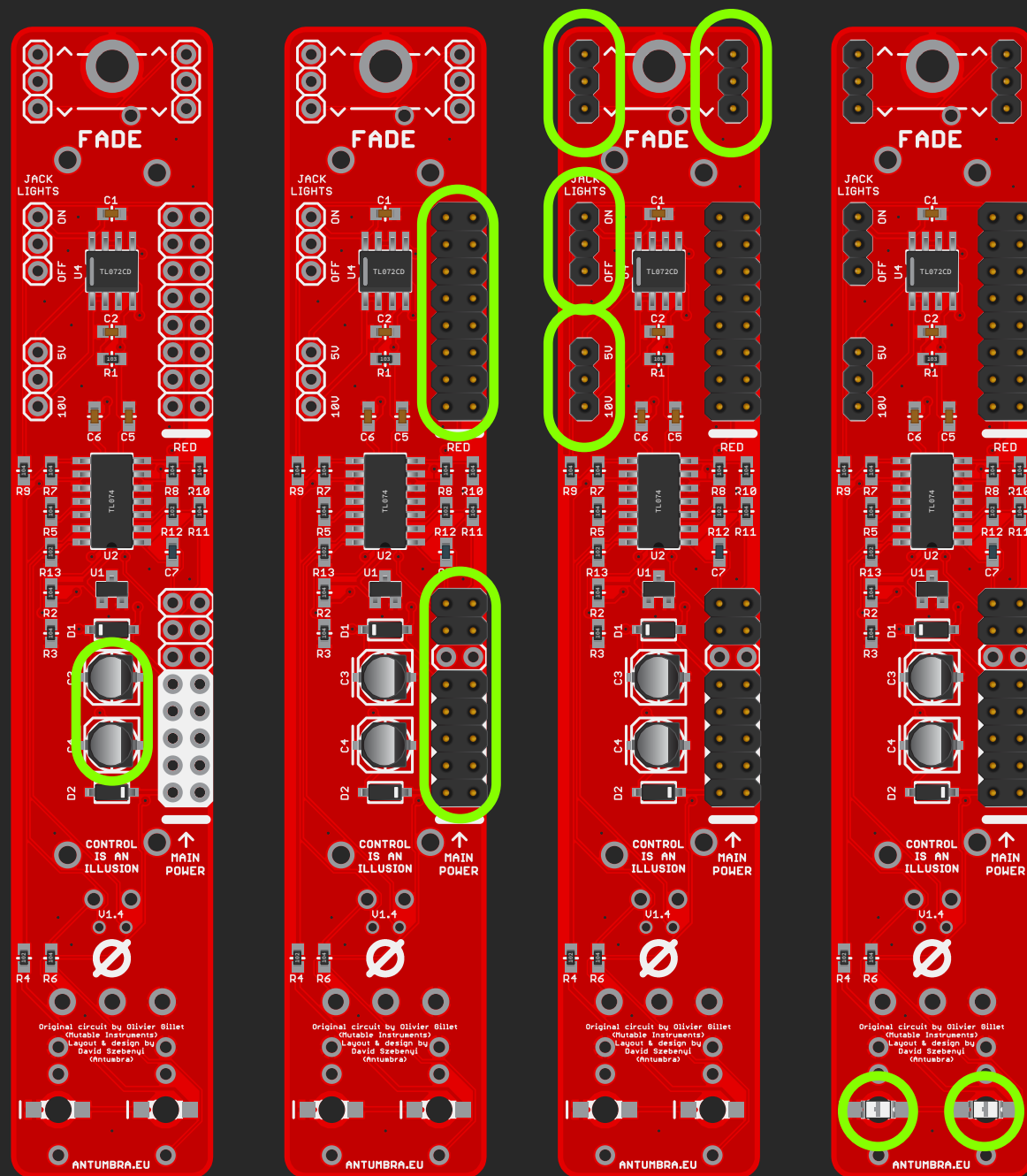00   01   02   03   04

02. BACK

05. Solder the three 1K resistors.

06. Solder the single 10K resistor.

07. Solder the nine 100K resistors.

08. Solder the four 100nF capacitors.
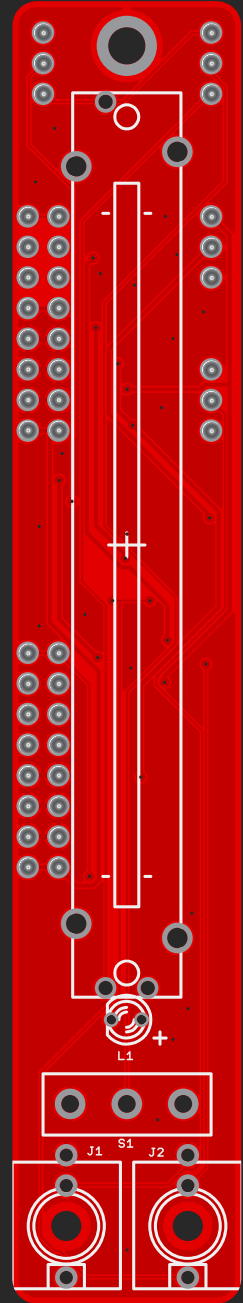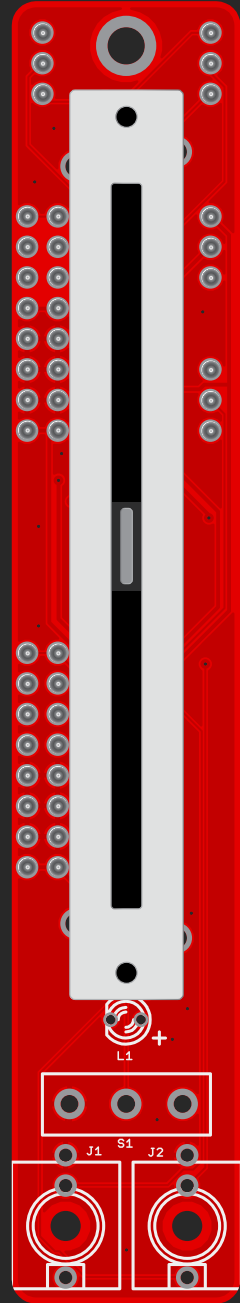
09. Solder the single 22pF capacitors.
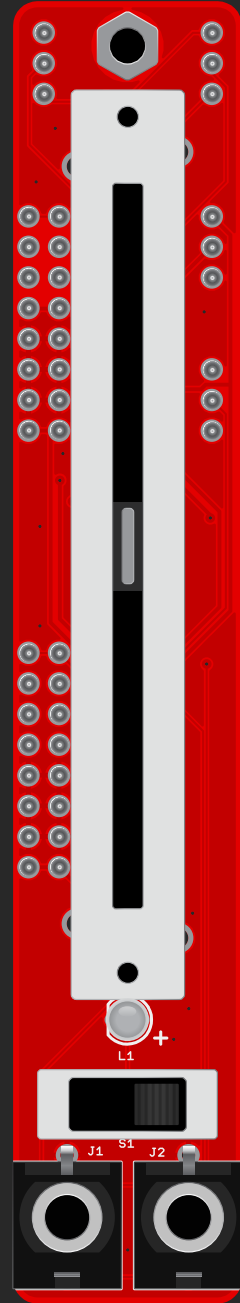
05 06 07 08 09

02. BACK

10. Solder the two 10uF electrolytic capacitors, their orientation matter! Match the notched side with the PCB drawing.

11. Solder the 2x8 pin headers.
On the bottom header (JP1) snip off the 3rd row pins so that you can connect the 10 pin header. This is only necessary for the first module in the chain, alternatively you can just install a 2x5 header if you are very sure it'll be chained (and that it will be the first).

12. Solder the four 1x3 pin headers.

13. Solder the SMD LEDs for the jacklights. Check for orientation! This is not necessary if you're not fond of blinkenlights. (shame on you)
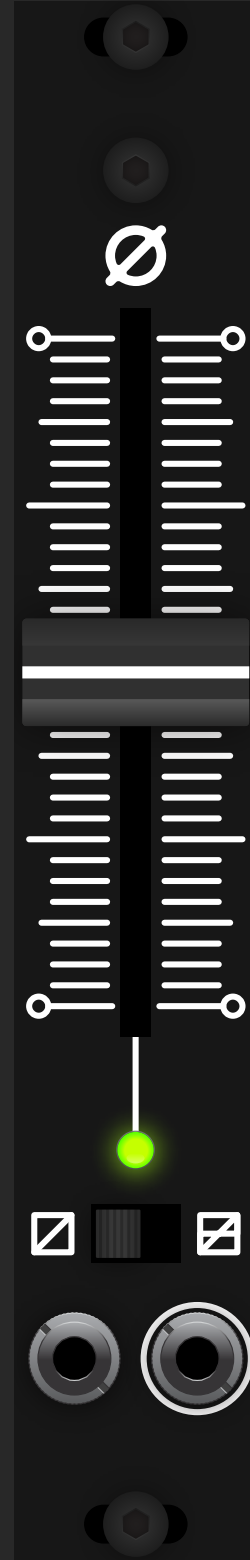
03. FRONT

00. Orient the PCB as it is seen on the left.

01. Solder the fader in place. (there should only be one possible way to insert it)

02. DO NOT SOLDER YET!
    Add the:
    ◦ jacks
    ◦ switch (orientation doesn't matter)
    ◦ LED (long leg goes in the hole with +)
    ◦ Spacer (screw it to the PCB)

03. Put the panel on top, screw it to the spacer and add the nuts to the jacks, align the switch and LED nicely, as you like it. Then solder everything in place.

00   01   02

04. FINISHED

You are now finished with building the module, congratu-lations for your new awesome FADE! :)

FADE is designed by David Szebenyi under Antumbra.

It was based on Shades by Mutable Instruments, designed by Olivier Gillet.

www.antumbra.eu

Manual by David Szebenyi (www.aman.hu)