ANTUMBRA

KLIK

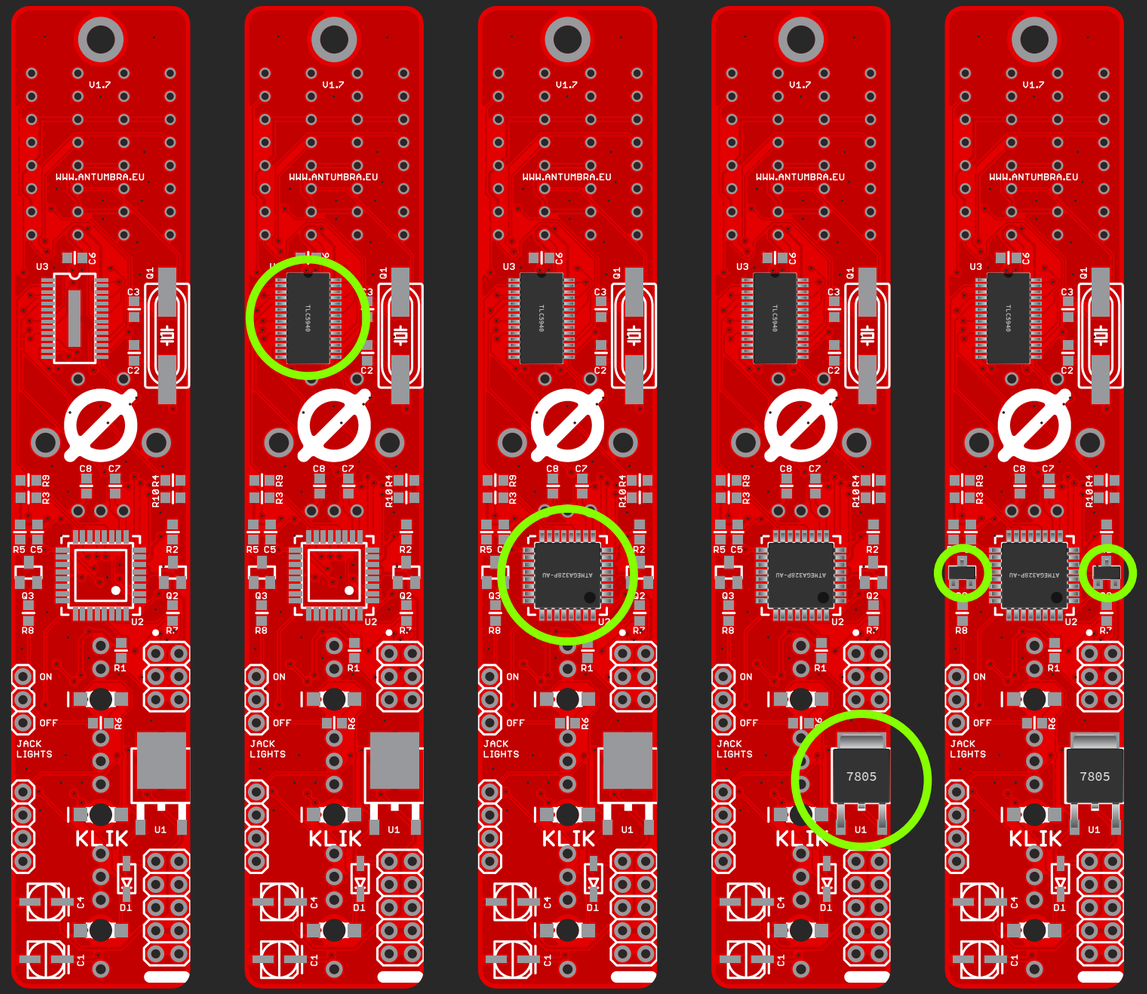
BUILDING INSTRUCTIONS

PCB V1.7

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

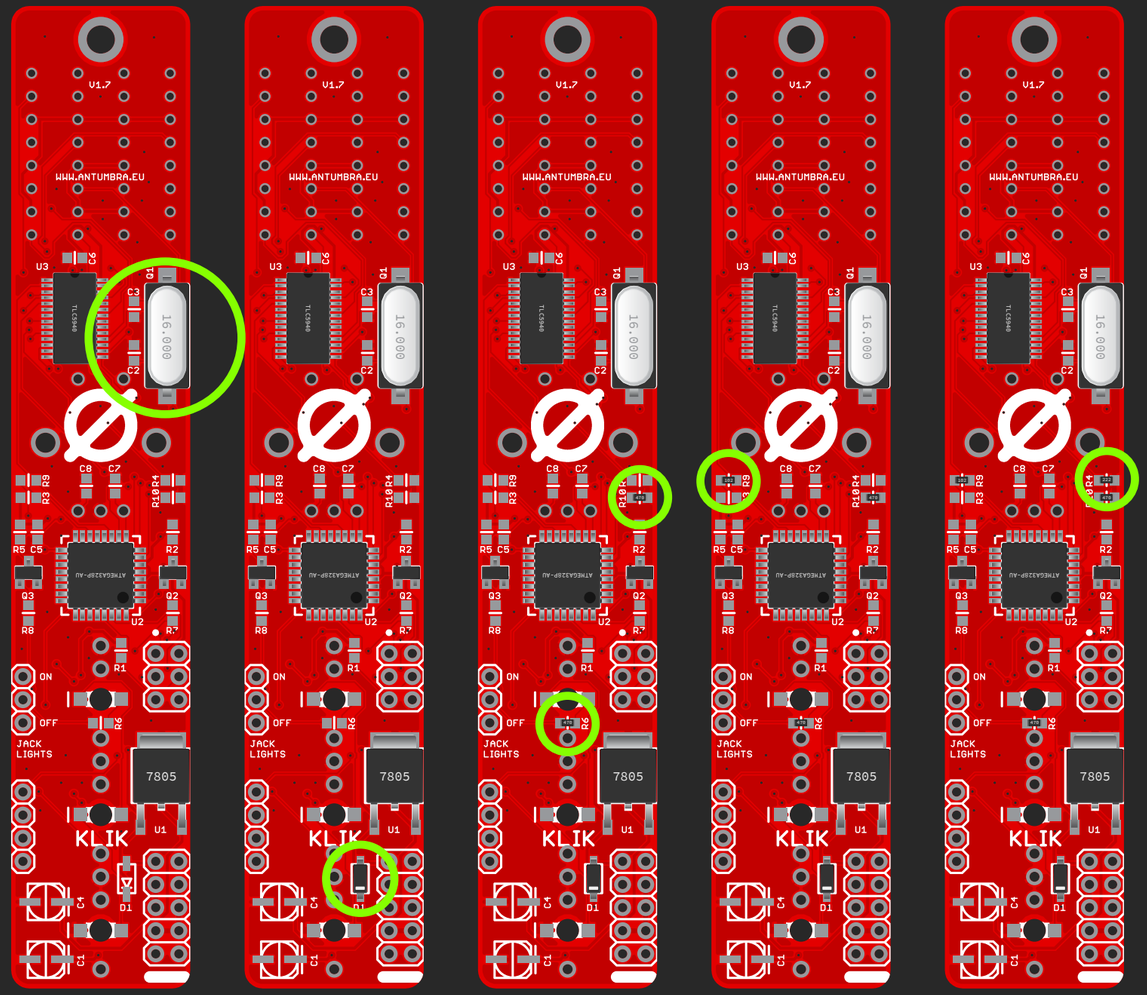
00. Orient the PCB as seen on the left.

01. Solder the TLC5940, watch out for it's orientation!

02. Solder the Atmega 328P-AU, the dot should match up with the dot on the silkscreen.

03. Solder the L7805.

04. Solder the two MMBT3904s.



05 06 07 08 09

02. BACK

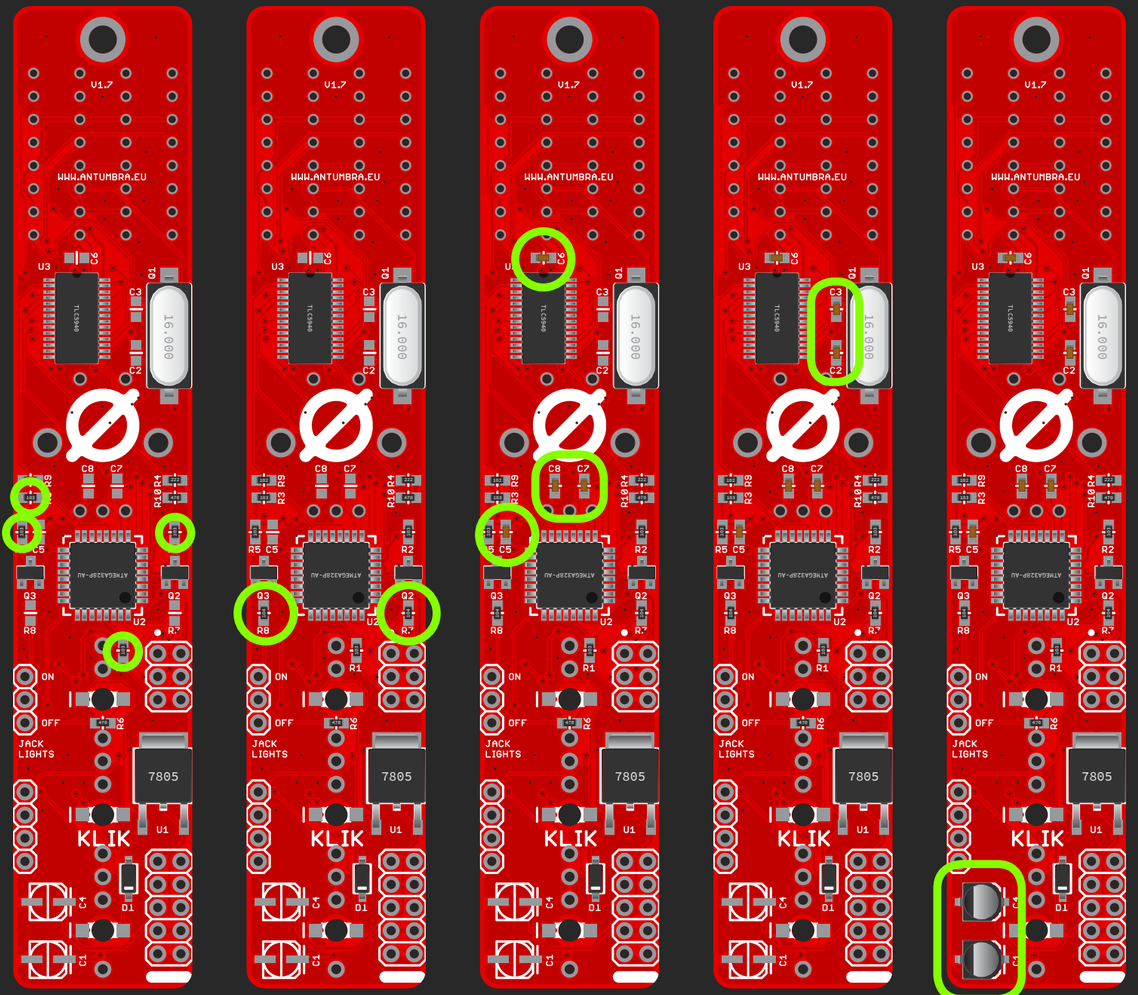
05. Solder the crystal.

06. Solder the 1N5819 diode.
Watch out for it's orientation!

07. Solder the two 470R resistors.

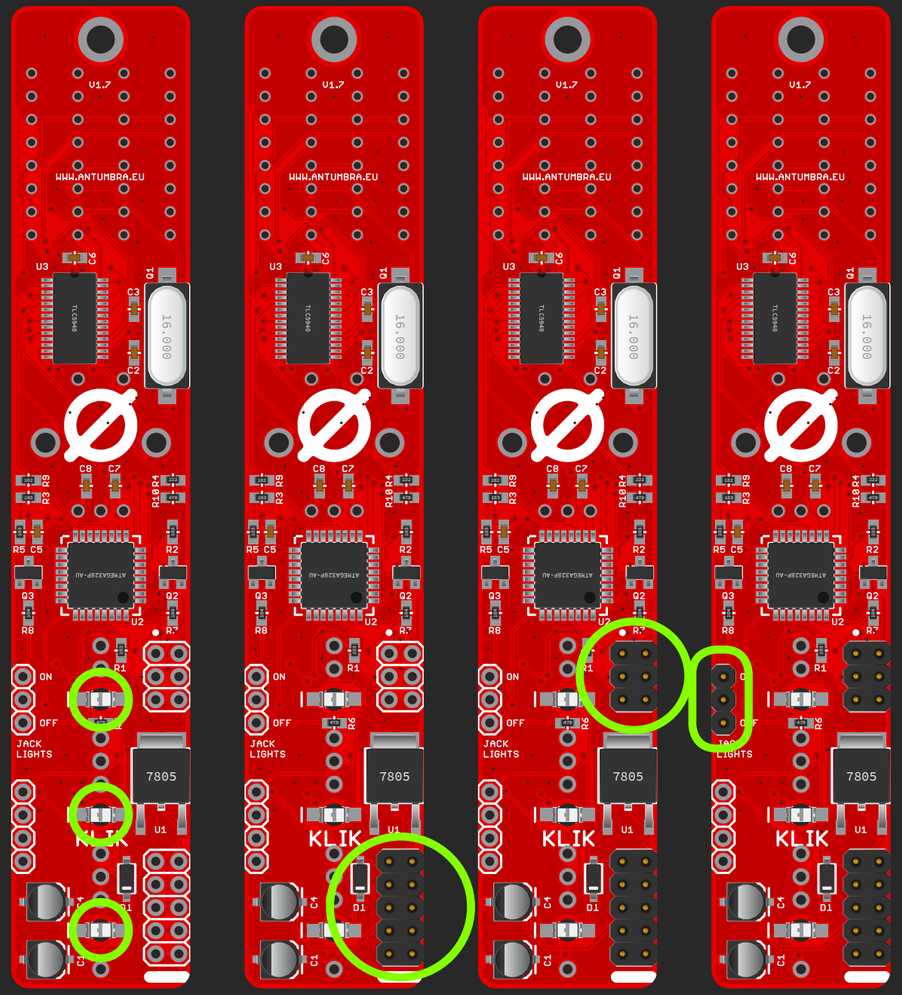
08. Solder the single 1K resistor.

09. Solder the single 2.2K resistor.



02. BACK

10. Solder the four 10k resistors.
11. Solder the two 100k resistors.
12. Solder the four 100nF capacitors.
13. Solder the two 22pF capacitors.
14. Solder the two 10uF electrolytic capacitors, their orientation matter! Match the notched side with the PCB drawing.



15 16 17 18

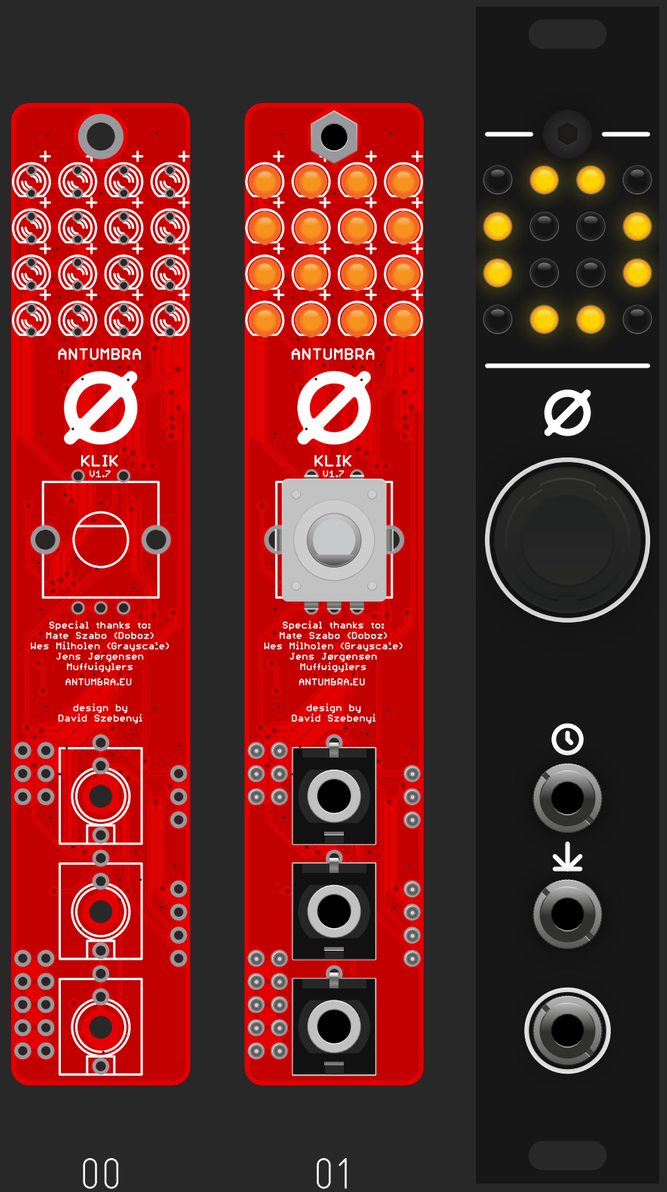
02. BACK

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

16. Solder the 2x5 pin male header.

17. Solder the 2x3 pin male header.

18. Solder the 1x3 pin male header for the jack lights. Again this is optional if you don't ever want jack lights, just leave them off.



00 01

03. FRONT

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

01. DO NOT SOLDER YET!
    Add the:
    - jacks
    - encoder
    - 16 LEDs (longer leg goes in the hole with +)
    - spacer

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

04. FINISHED

You are now finished with building the module, congratulations for your new awesome KLIK! ☺

KLIK is designed by David Szebenyi under Antumbra.

www.antumbra.eu

Manual by David Szebenyi (www.aman.hu)