ANTUMBRA

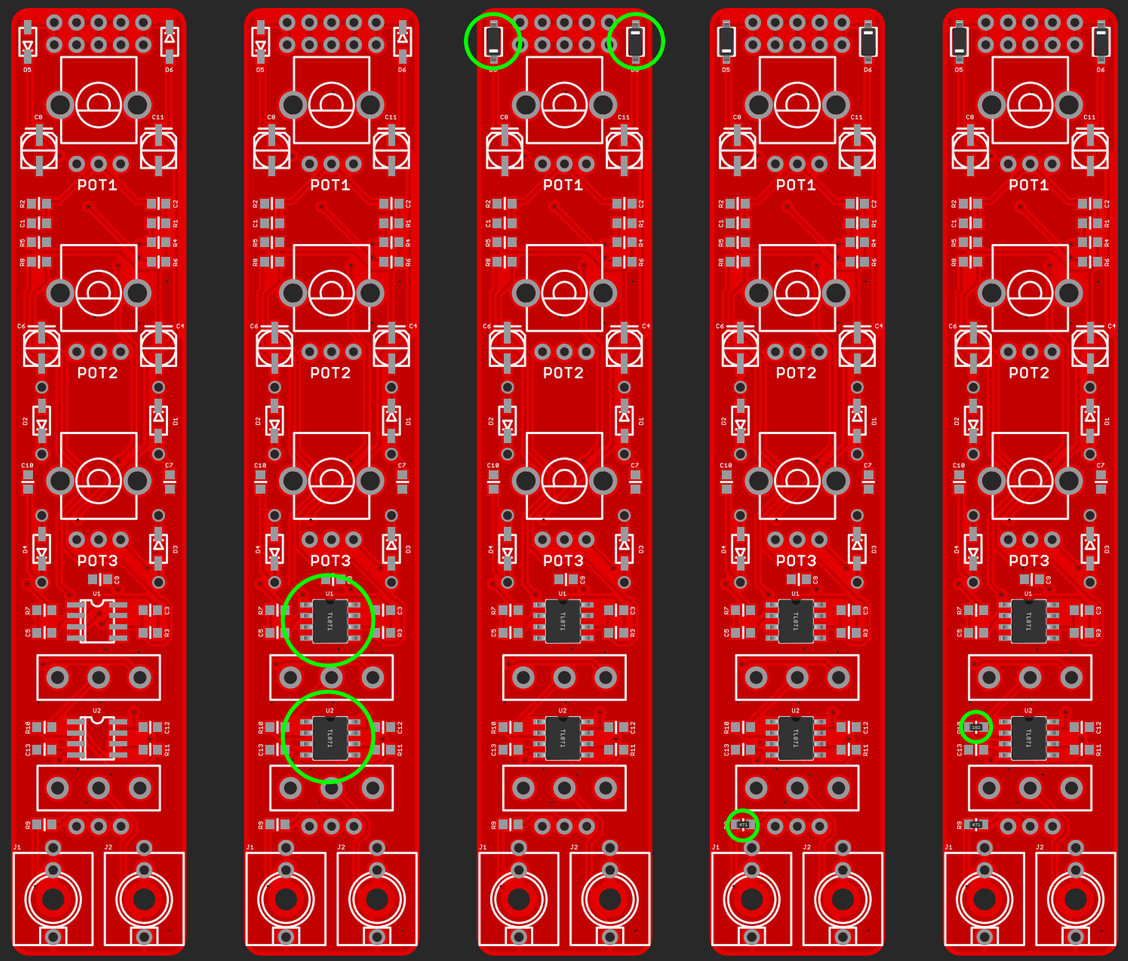
DIST

BUILDING INSTRUCTIONS

PCB V1.2

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! ☺



02. BUILD

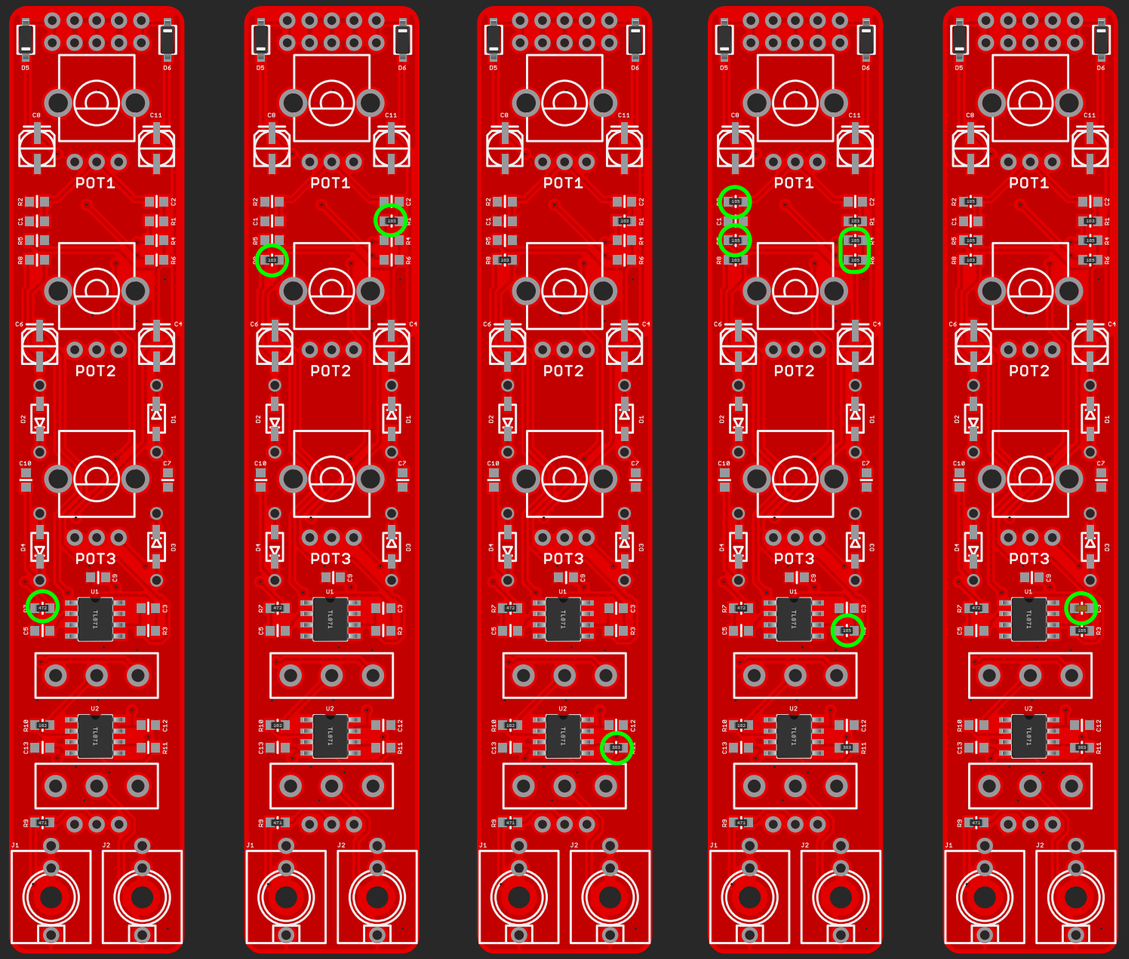
00. Orient the PCB as seen on the left

01. Solder the two TL071s in place
(oriented to the top)

02. Solder the two 1n5819 diodes
Look out for their orientation!

03. Solder the single 470r resistor
This is for the jack LEDs

04. Solder the single 1k resistor



02. BUILD

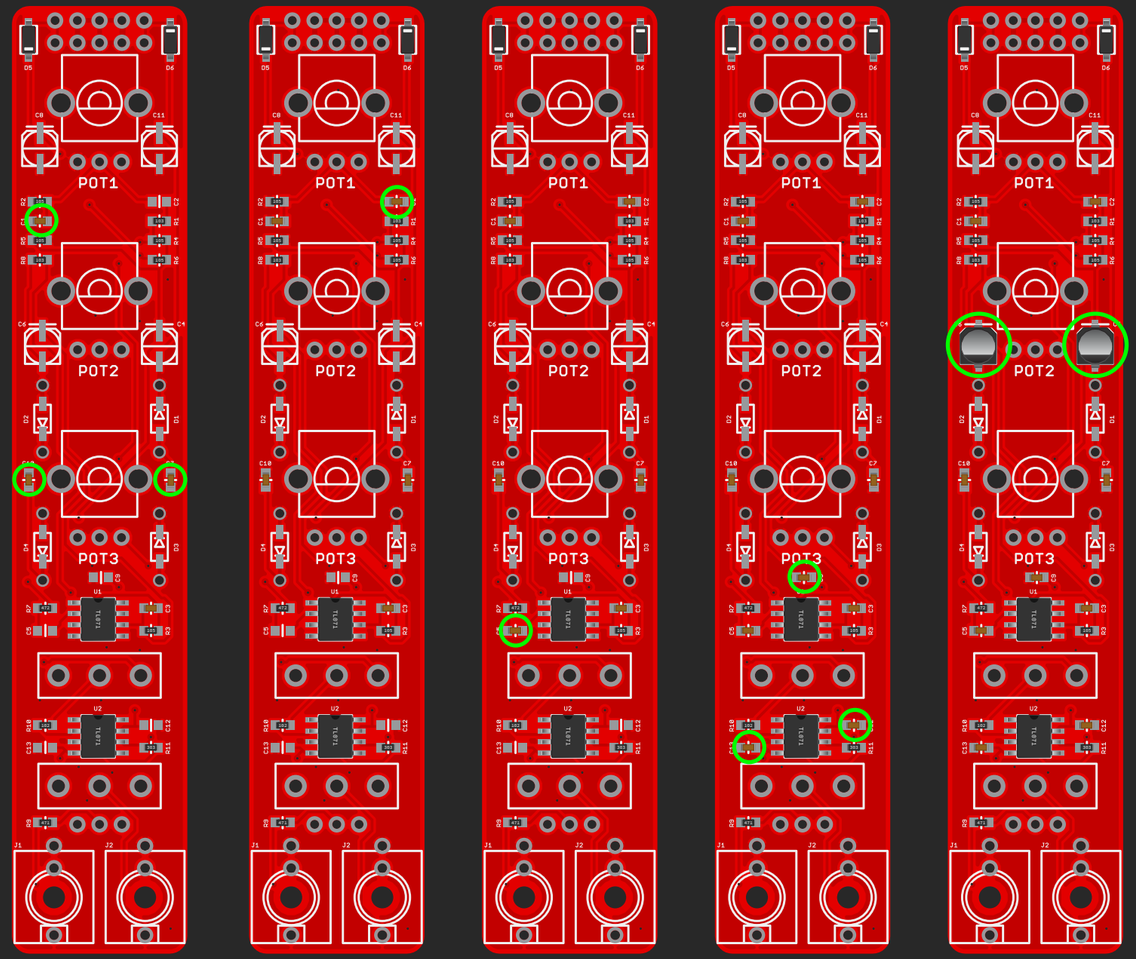
05. Solder the single 4.7k resistor

06. Solder the two 10k resistors

07. Solder the single 30k resistor

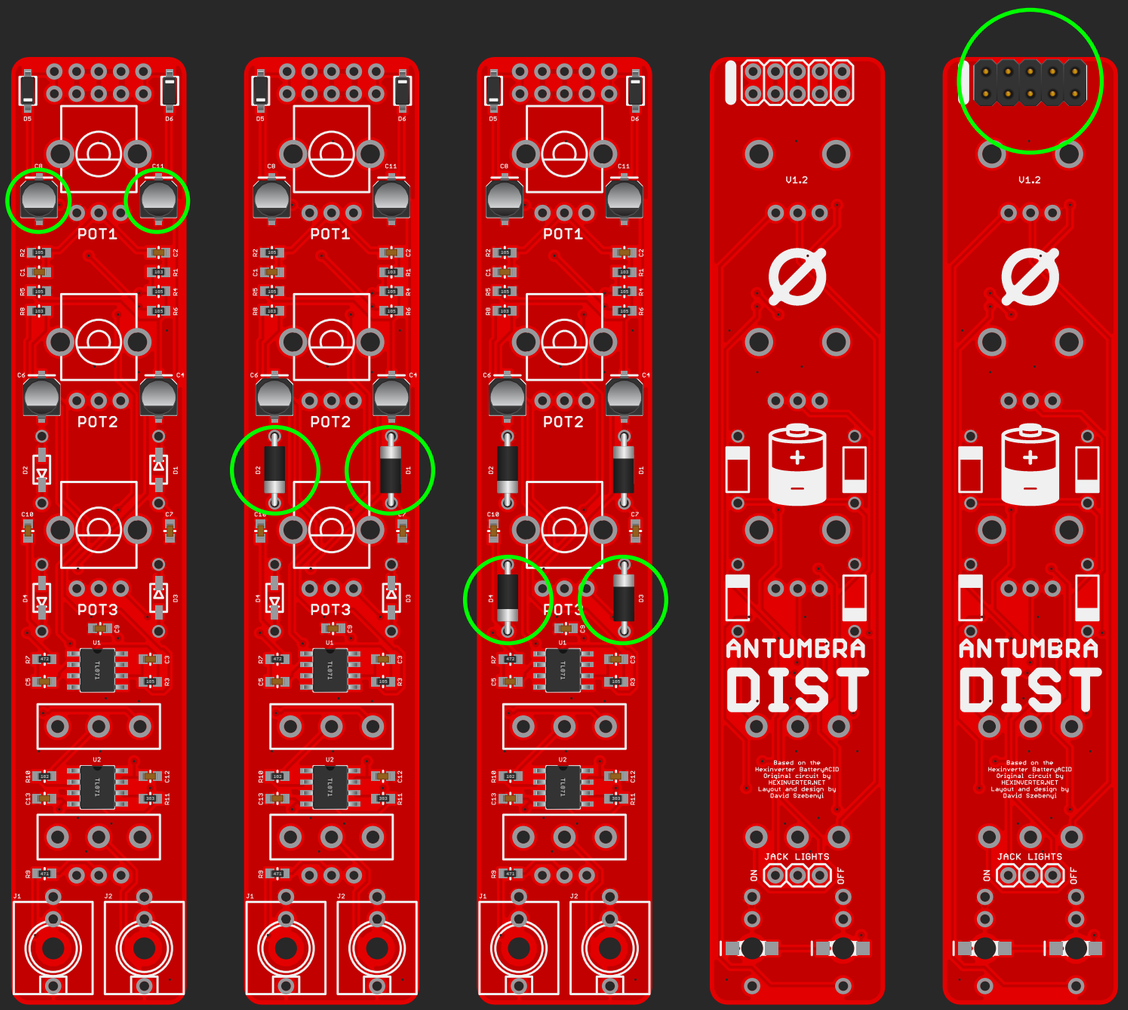
08. Solder the five 1M resistors

09. Solder the single 10pF capacitor



02. BUILD

10. Solder the three 1nF capacitors
11. Solder the single 10nF capacitor
12. Solder the single 47nF capacitor
13. Solder the three 100nF capacitors
14. Solder the two 1uF electrolytic capacitors
    Look out for their orientation! Their shape has to match up with the silkscreen.



15 16 17 18 19

02. BUILD

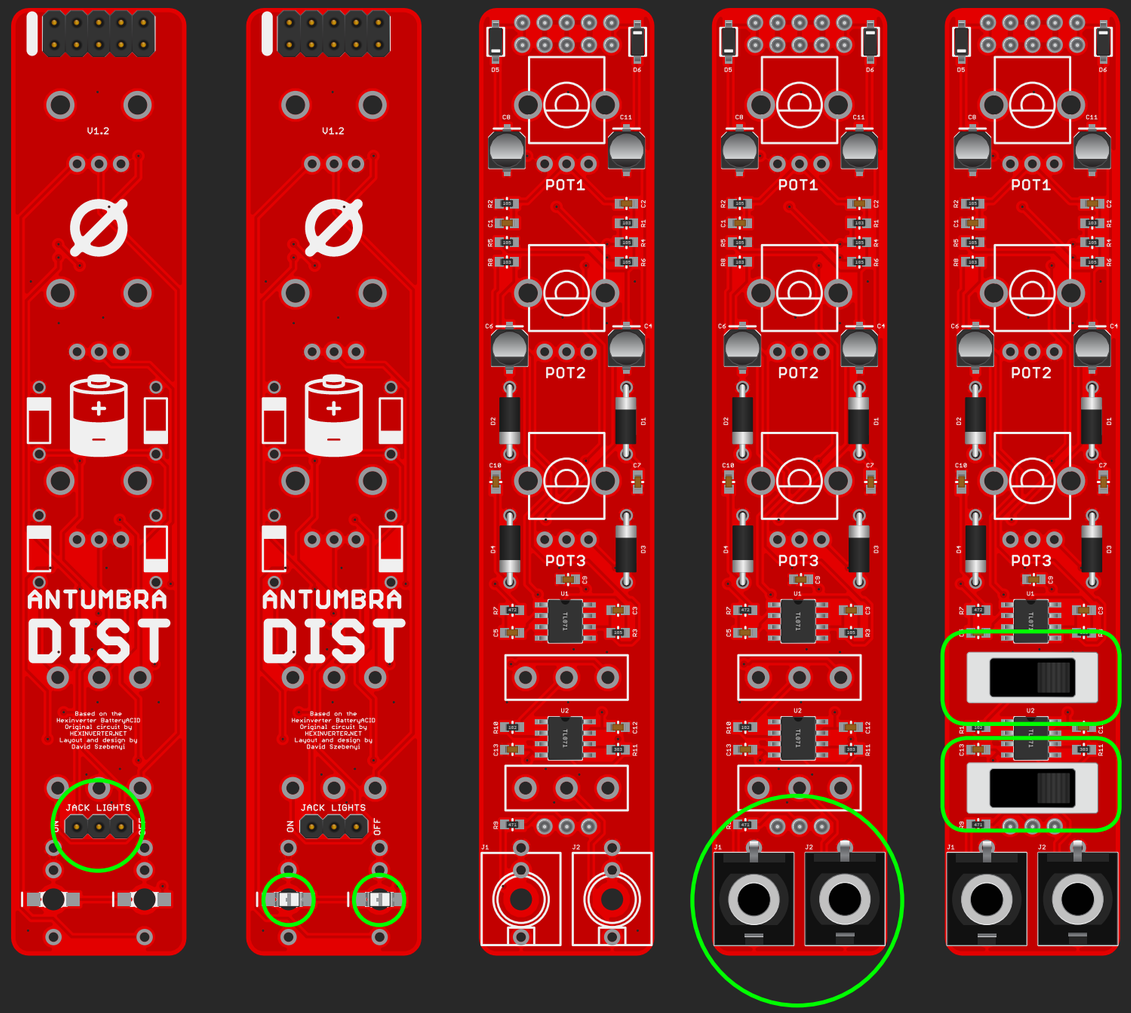
15. Solder the two 10uF electrolytic capacitors
    Look out for their orientation!

16. Solder the two diodes for mode A.
    The type of these diodes are optional, you can use whatever SMD/TH diodes (even LEDs) you want, they all have different flavors, recommended is the 1n270 germanium diodes. (Experimenting is encouraged)
    Look out for their orientation!

17. Solder the two diodes for mode B.
    Same applies here as for the previous diodes.

18. Flip the board!

19. Solder the 2x5 pin power header



20 21 22 23 24

02. BUILD

20. Solder the 1x3 pin header for the jack lights switch

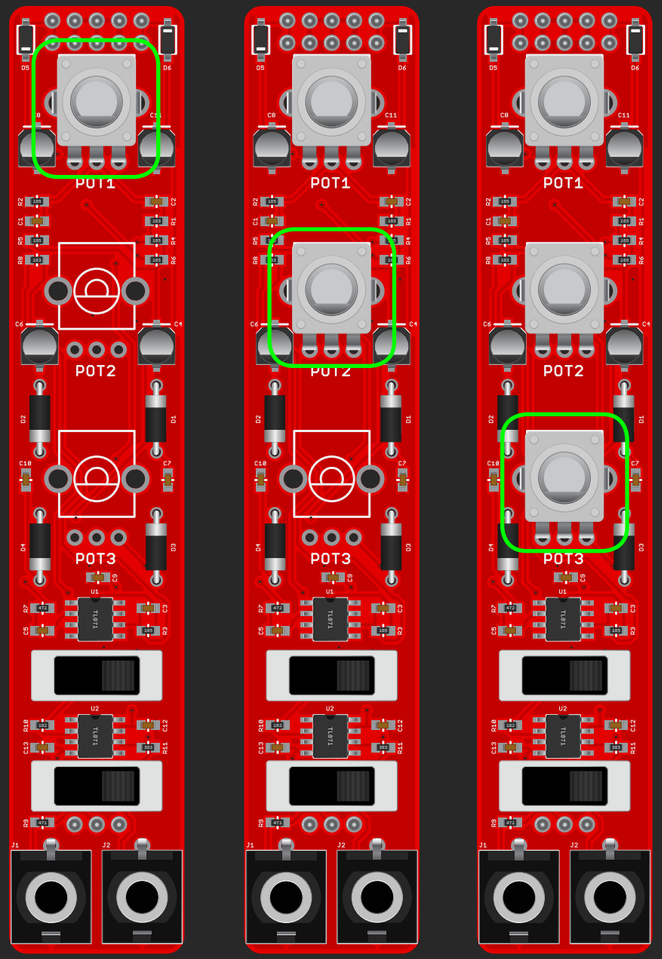
21. Solder the two SMD LEDs
    Look out for their orientation! The marking should be as on the illustration.

22. Flip the board back!

DO NOT SOLDER YET!

23. Place the two jacks

24. Place the two switches



25 26 27

02. BUILD

25. Place the A100k pot

26. Place the A1M pot

27. Place the A10k pot

Now put on the front panel and tighten the nuts on the jacks and pots. Align them in the holes as you like. Solder!

You are done with building! Congratulations! ☺

DIST is designed by David Szebenyi under Antumbra.
It is based on the MXR Distortion+ / Hexinverter Batteryacid v1.0

www.antumbra.eu

Manual by David Szebenyi (www.aman.hu)