ANTUMBRA

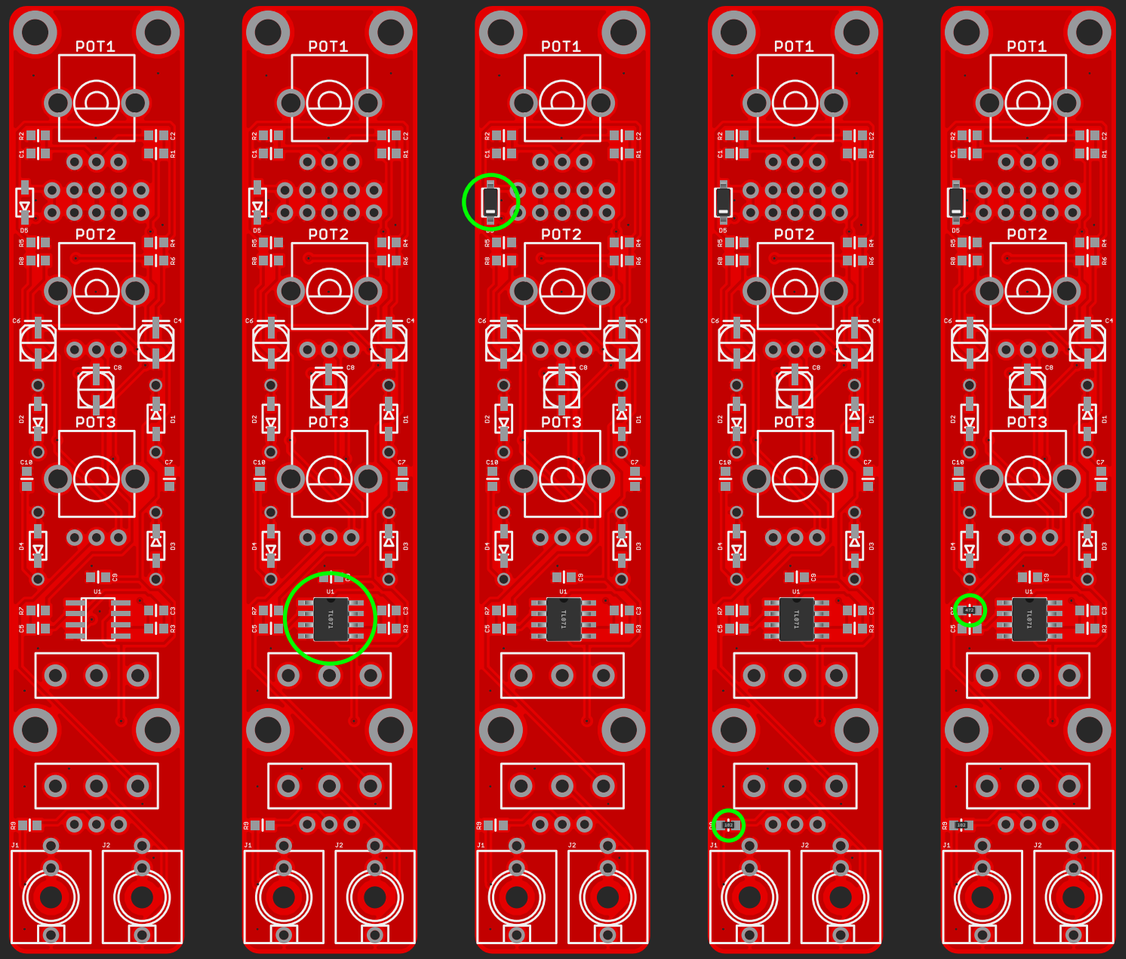
DIST

BUILDING INSTRUCTIONS

PCB V1.1

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! ☺



00 01 02 03 04

02. BUILD

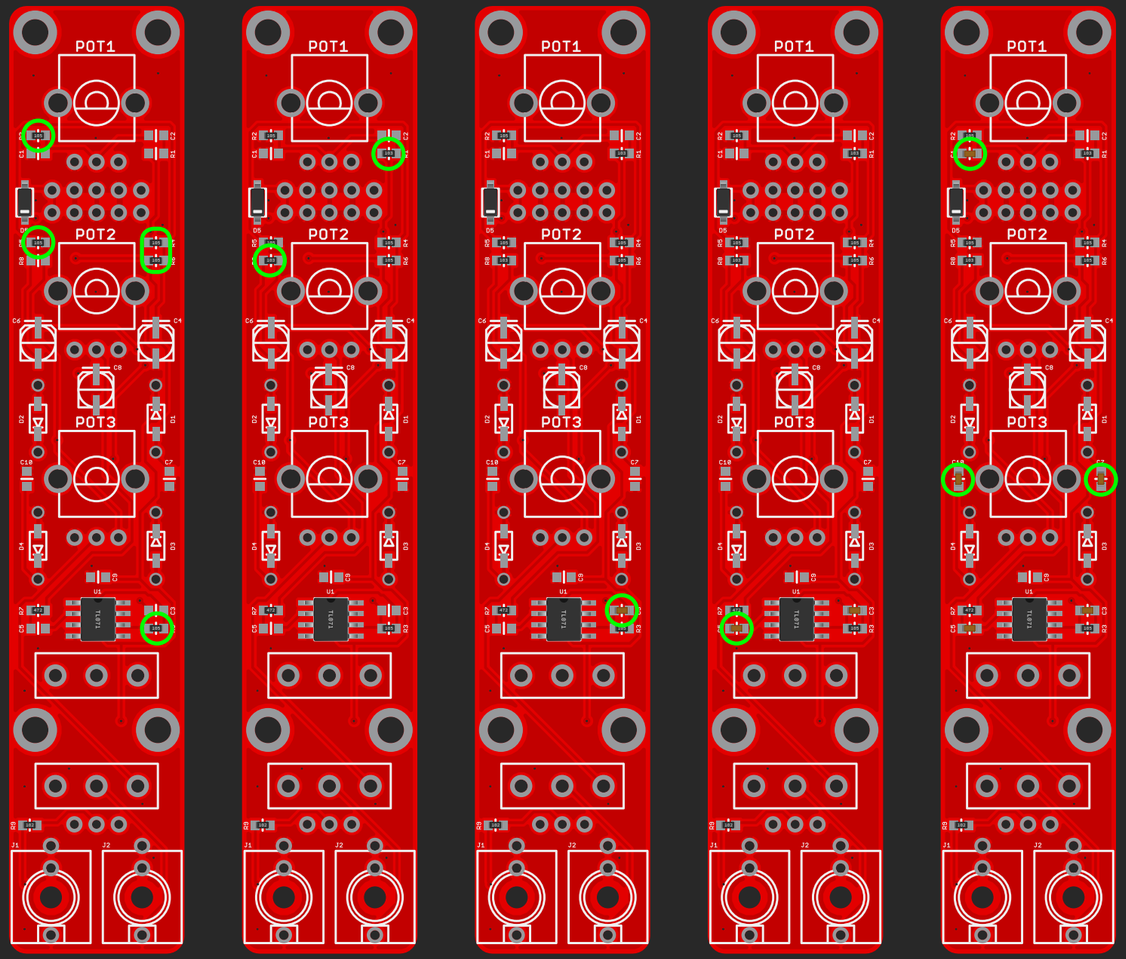
00. Orient the PCB as seen on the left

01. Solder the TL071 in place
(oriented to the top)

02. Solder the single 1n5819 diode
Look out for their orientation!

03. Solder the single 1k resistor

04. Solder the single 4.7k resistor



05 06 07 08 09

02. BUILD

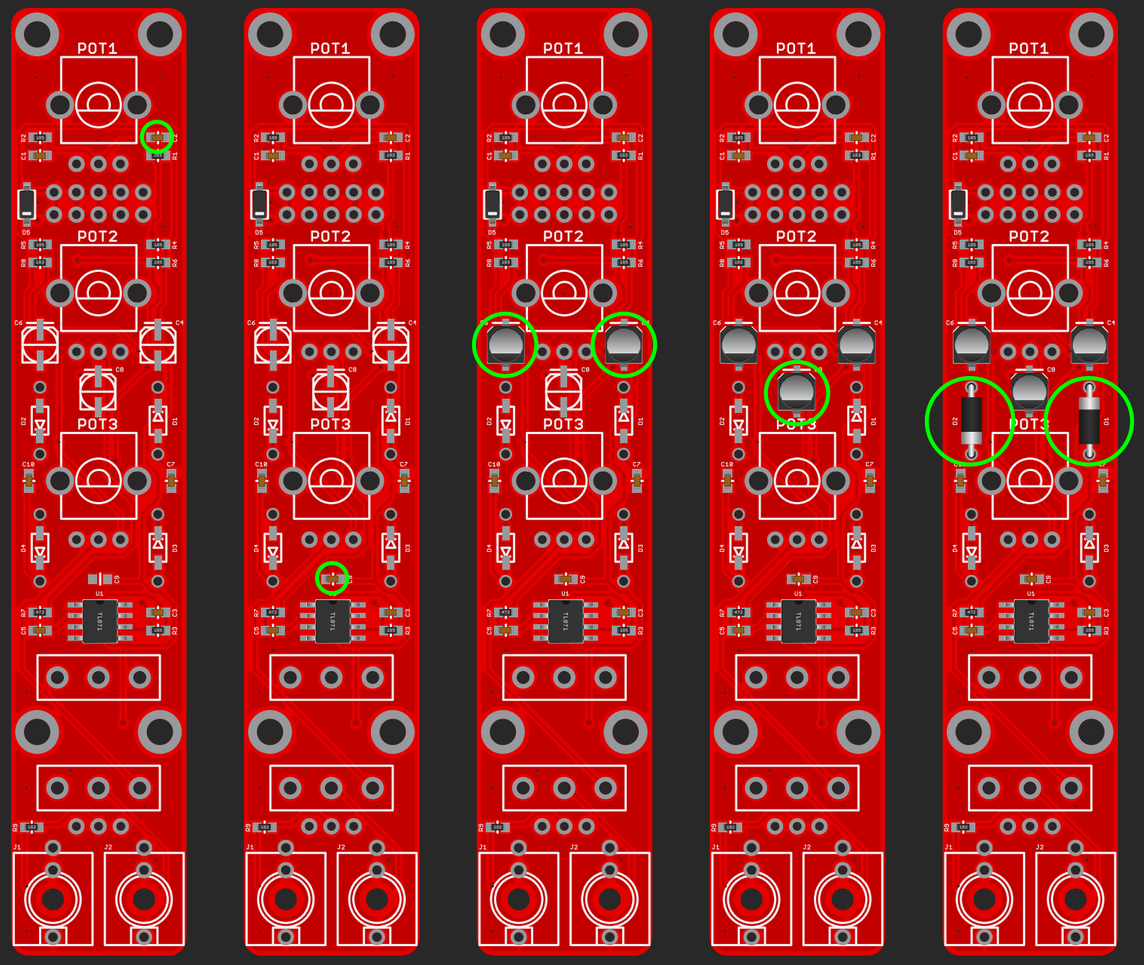
05. Solder the five 1M resistors

06. Solder the two 10k resistors

07. Solder the single 10pF capacitor

08. Solder the single 47nF capacitor

09. Solder the three 1nF capacitors



02. BUILD

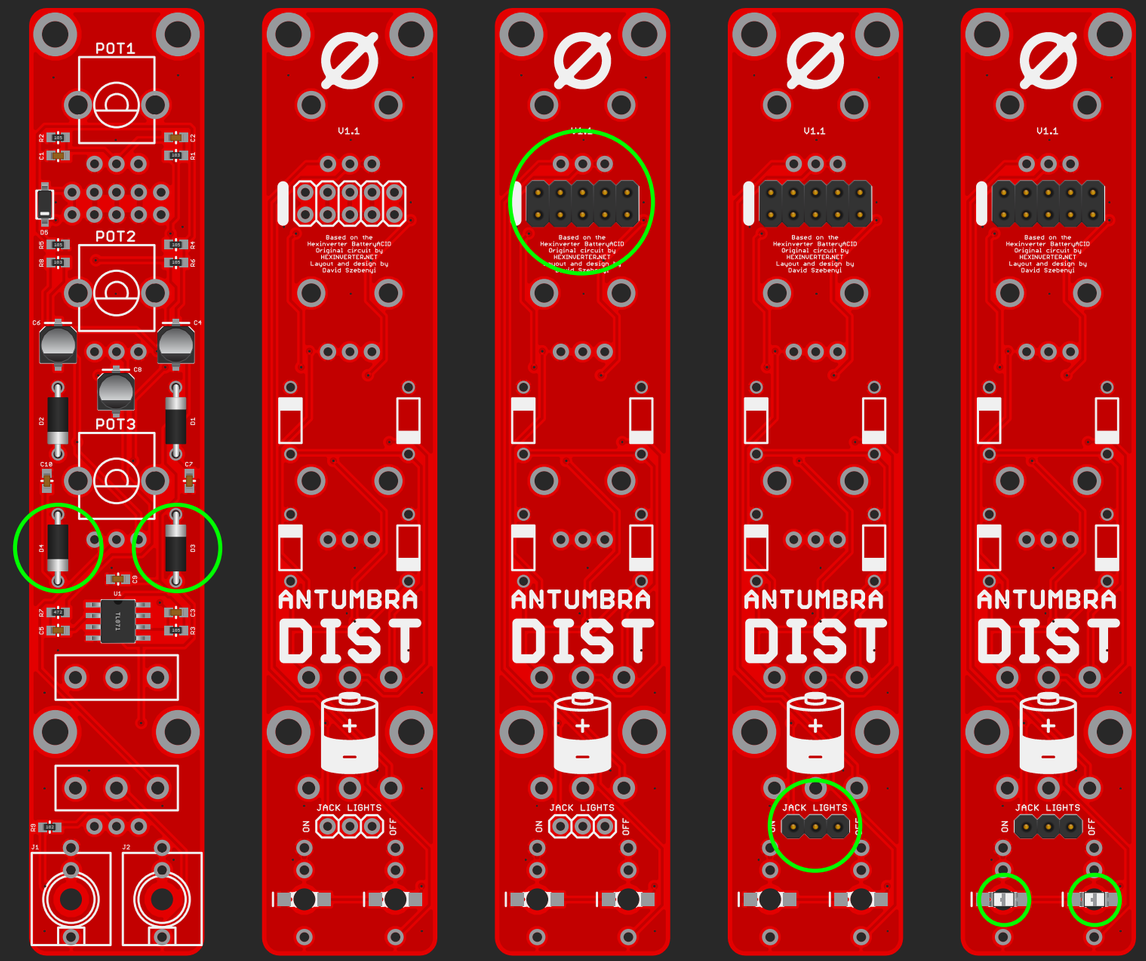
10. Solder the single 10nF capacitor

11. Solder the single 100nF capacitor

12. Solder the two 1uF electrolytic capacitors
    Look out for their orientation! Their shape has to match up with the silkscreen.

13. Solder the single 10uF electrolytic capacitor

14. 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!



15 16 17 18 19

02. BUILD

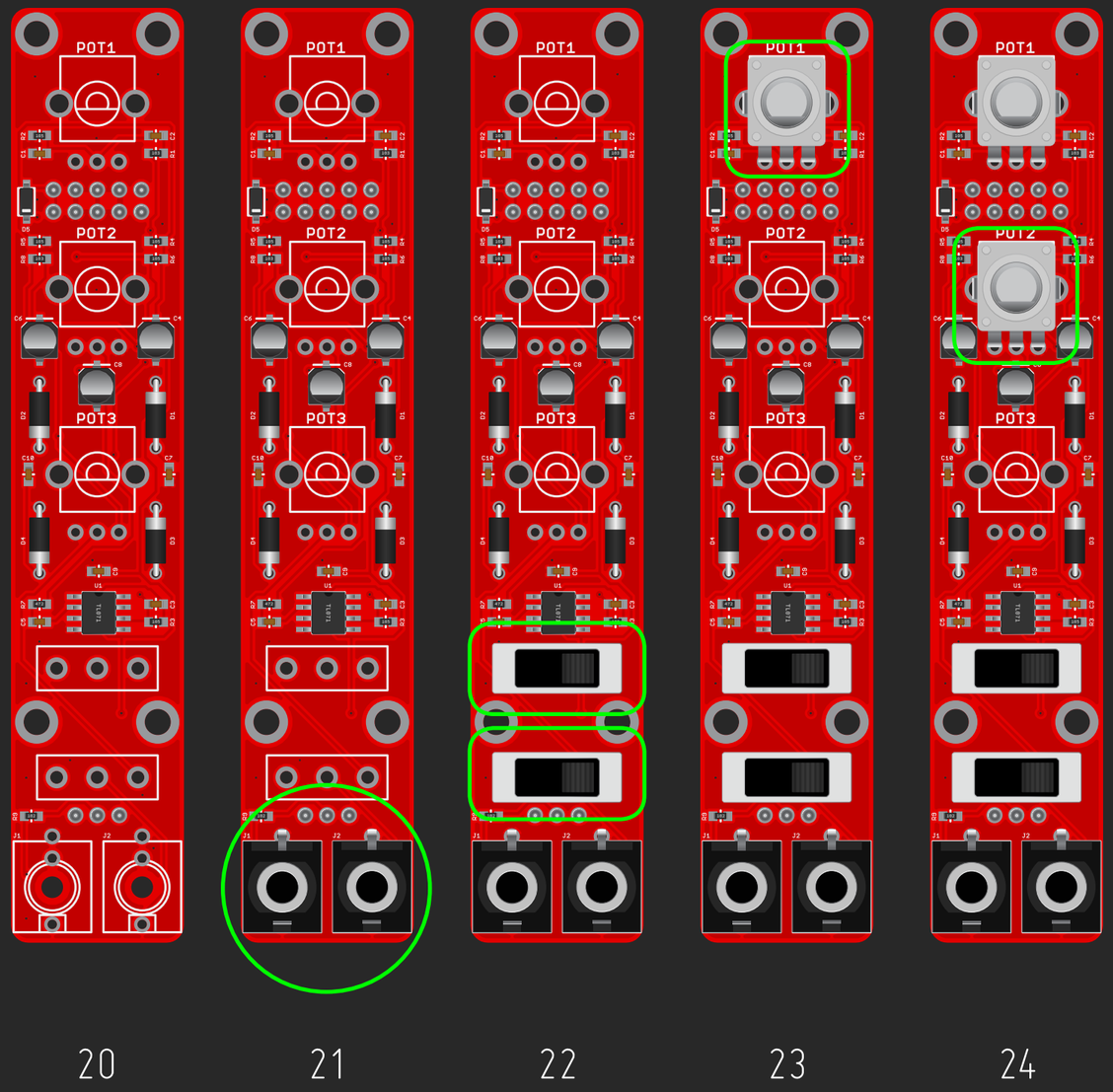
15. Solder the two diodes for mode B.
    The type of these diodes are optional, you can use whatever SMD/TH diodes (even LEDs) you want, they all have different flavors, recommended is the 1n4148 diodes. (Experimenting is encouraged)
    Look out for their orientation!

16. Flip the board!

17. Solder the 2x5 pin power header

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

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



02. BUILD

20. Flip the board back!

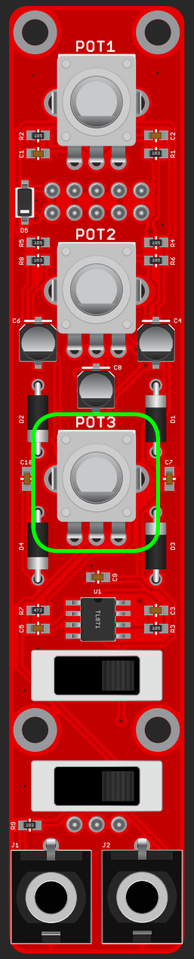
DO NOT SOLDER YET!

21. Place the two jacks

22. Place the two switches

23. Place the A100k pot

24. Place the A1M pot



02. BUILD

25. Place the A10k pot

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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)