

Ø ANTUMBRA

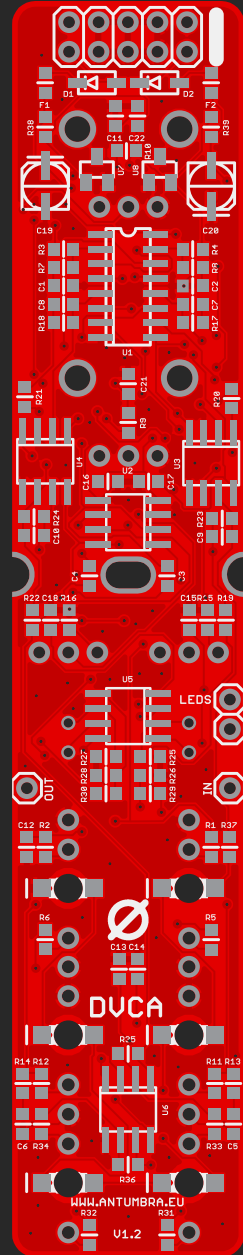
DVCA

BUILDING INSTRUCTIONS

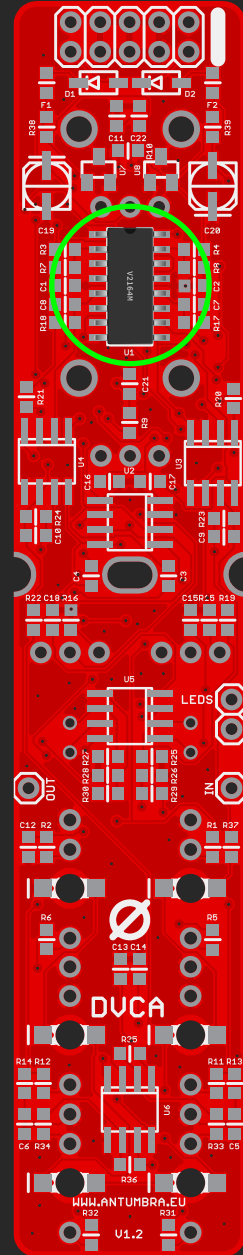
PCB V1.2

01. BUILD NOTES

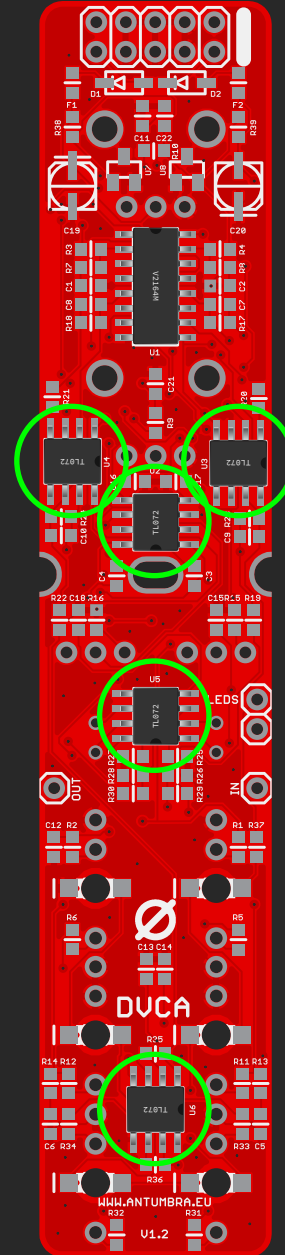
Before you start building look through the build manual so that you'll be familiar with the building process and you won't run into any surprises! 😊



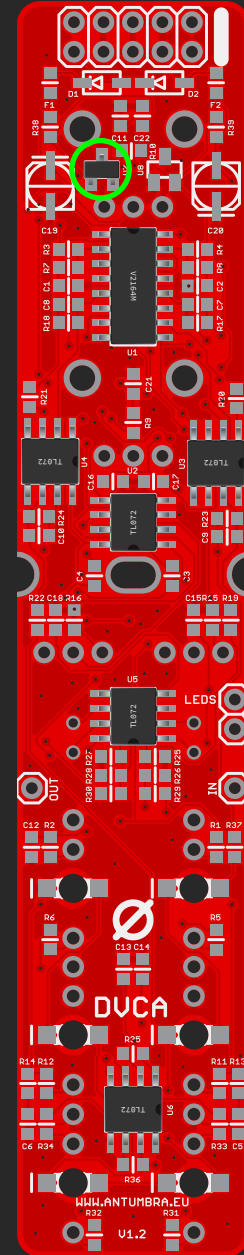
00



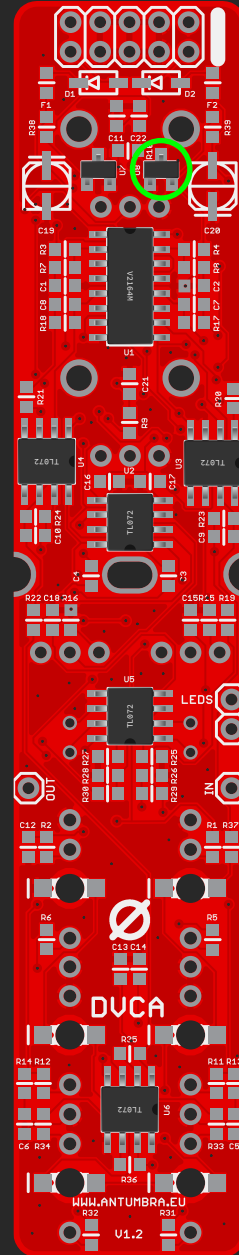
01



02



03



04

02. BUILD

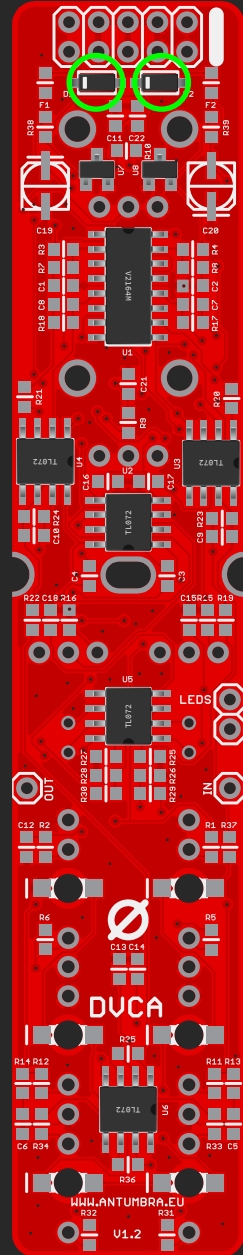
00. Orient the PCB as seen on the left

01. Solder the V2164M VCA in place
(oriented to the top)

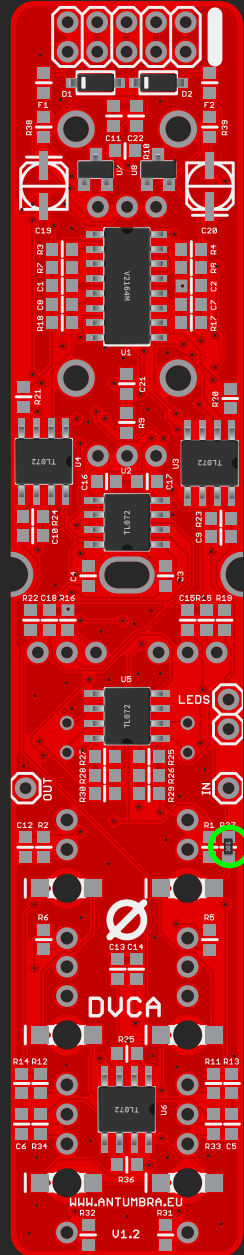
02. Solder the five TL072s
Look out for their orientation!

03. Solder the single LM4040 10V IC

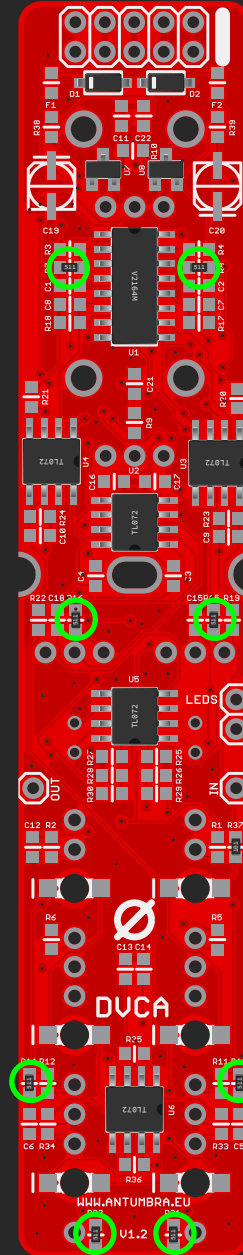
04. Solder the single LM4040 2.5V IC



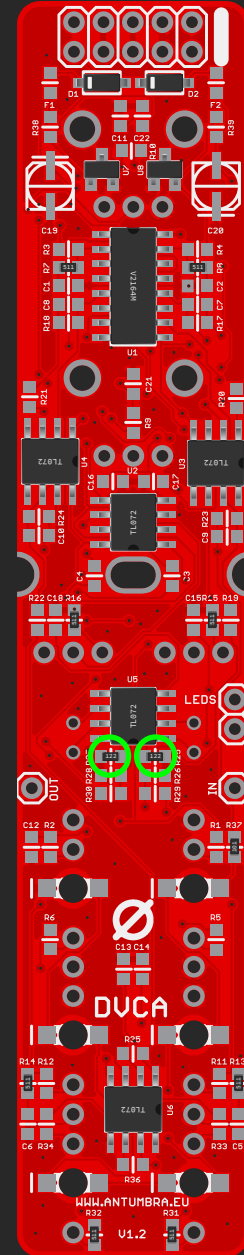
05



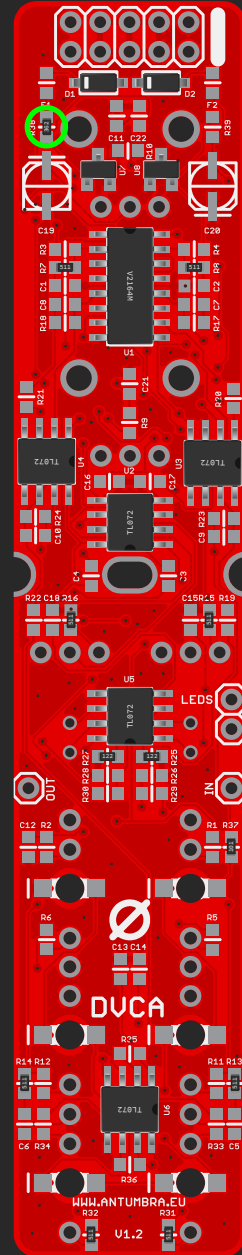
06



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08



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02. BUILD

05. Solder the two 1n5819 diodes

The marking should be on the left!

06. Solder the single 100 ohm resistor

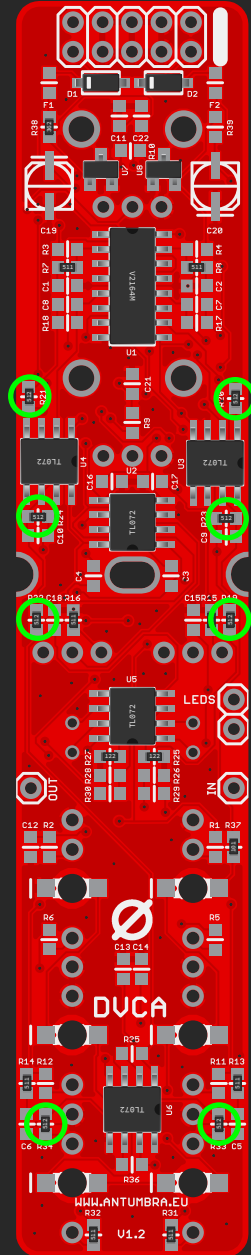
(This one sets the jack LED brightness)

This is optional depending on if you want the jack LEDs or not.

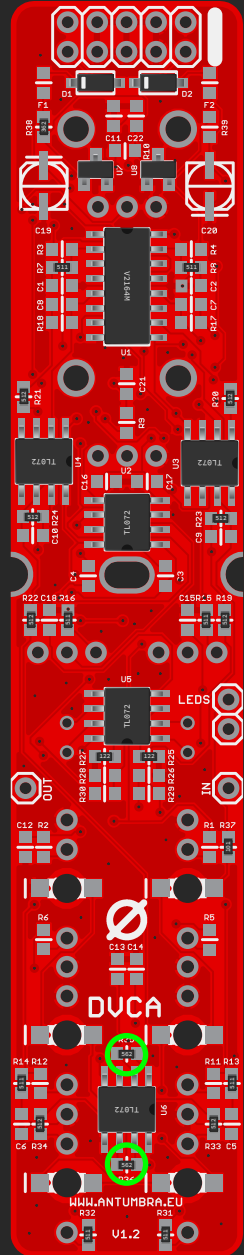
07. Solder the eight 510 ohm resistors

08. Solder the two 1.2k resistors

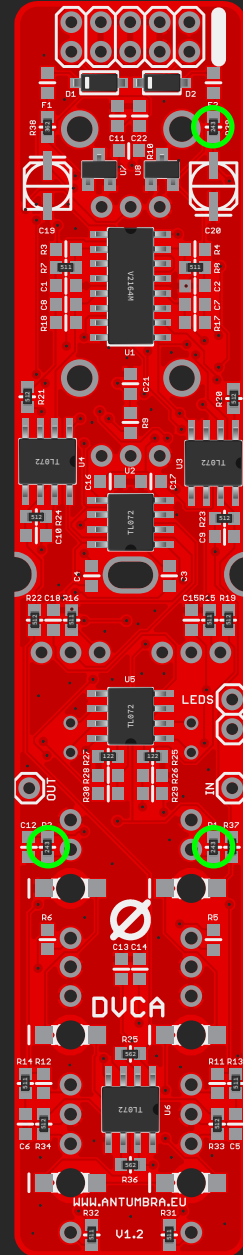
09. Solder the single 3.6k resistor



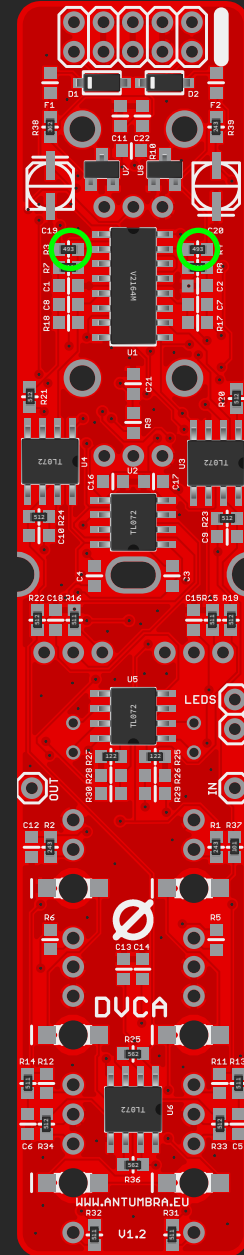
10



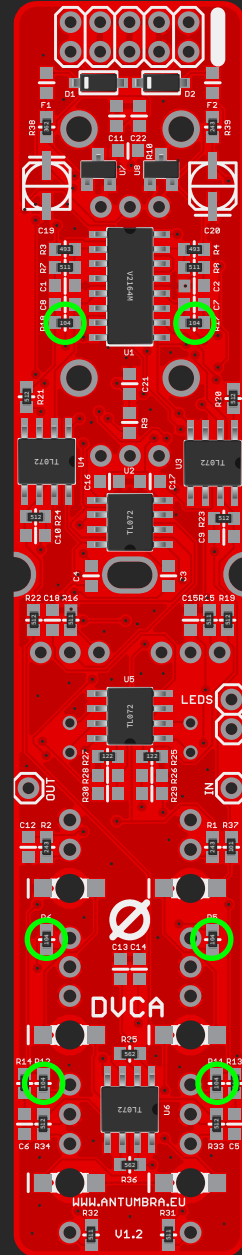
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02. BUILD

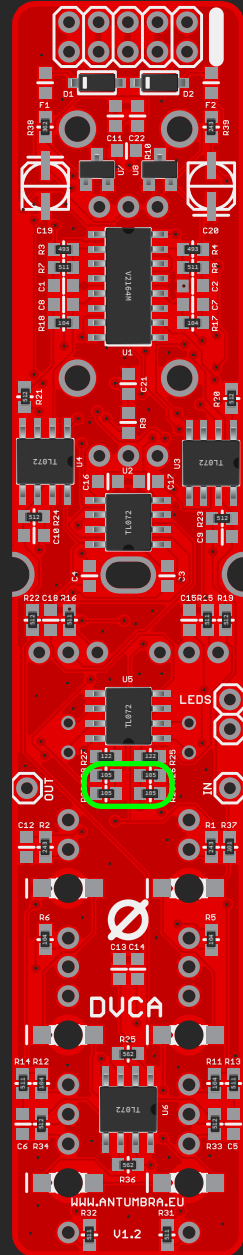
10. Solder the eight 5.1k resistors

11. Solder the two 5.6k resistors

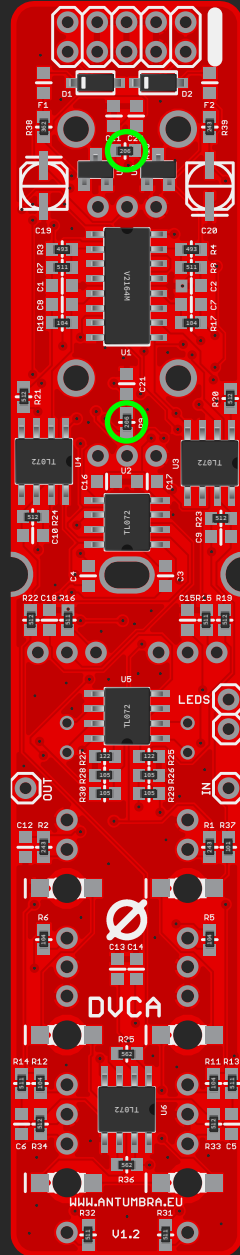
12. Solder the three 24k resistors

13. Solder the two 49.9k resistors

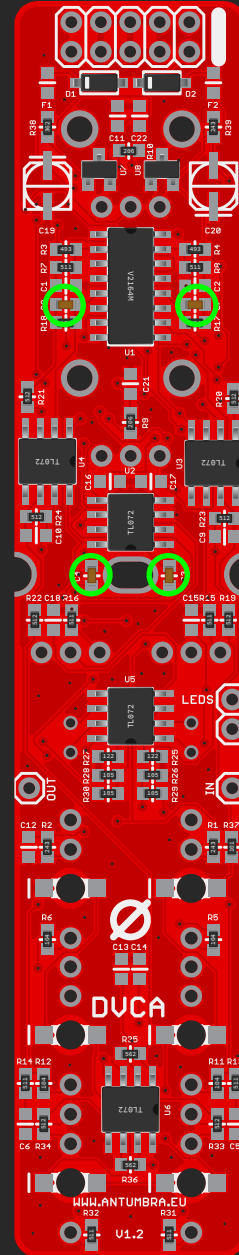
14. Solder the six 100k resistors



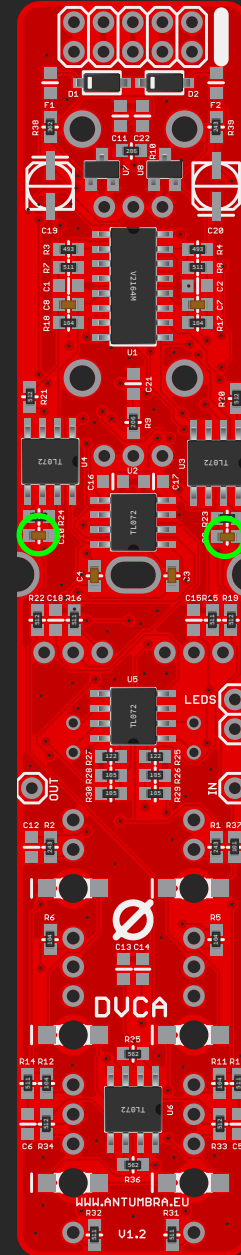
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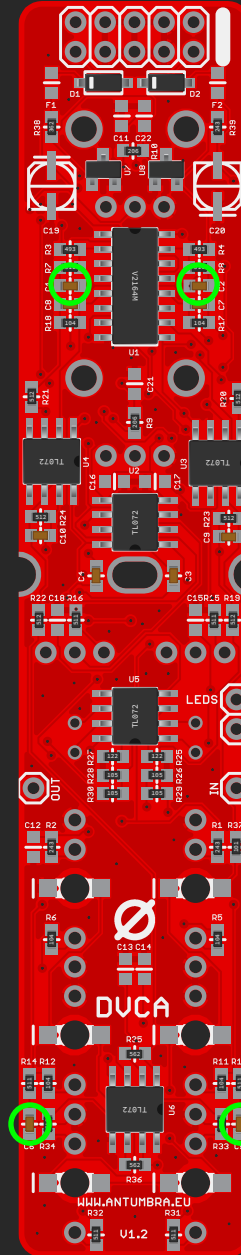
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02. BUILD

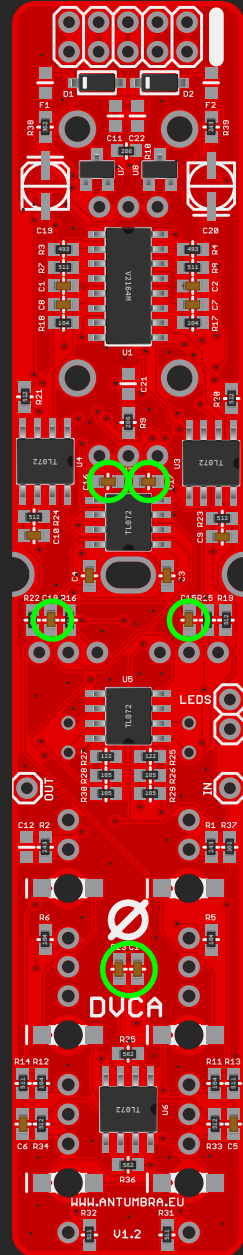
15. Solder the four 1M resistors

16. Solder the two 20M resistors

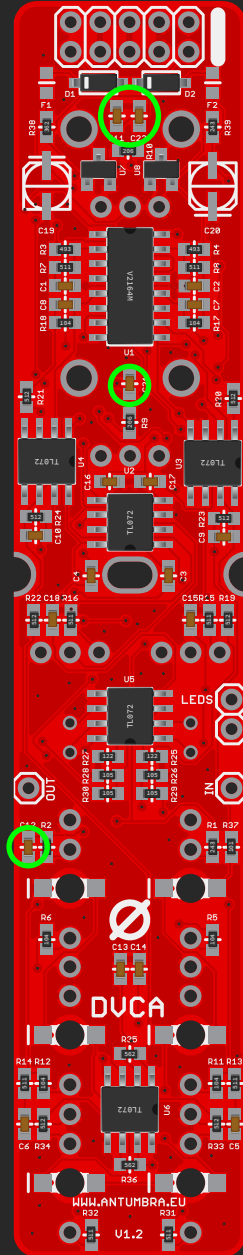
17. Solder the four 47pF capacitors

18. Solder the two 100pF capacitors

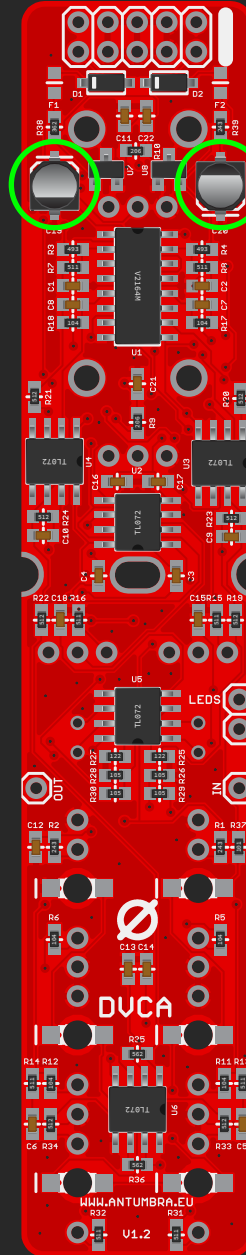
19. Solder the four 560pF capacitors



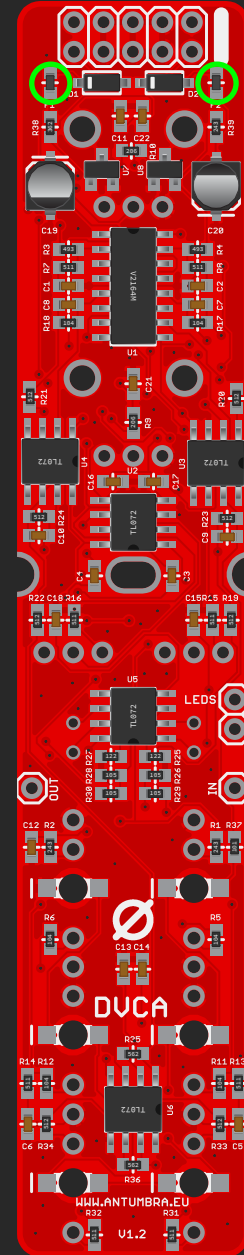
20



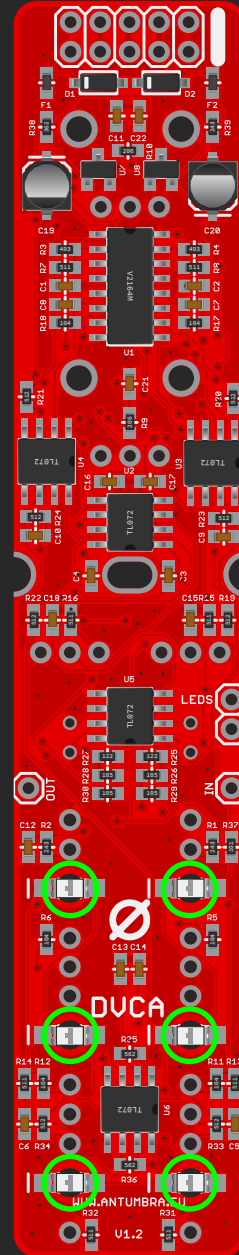
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24

02. BUILD

20. Solder the six 100nF capacitors

21. Solder the four 470nF capacitors

22. Solder the two 22uF capacitors

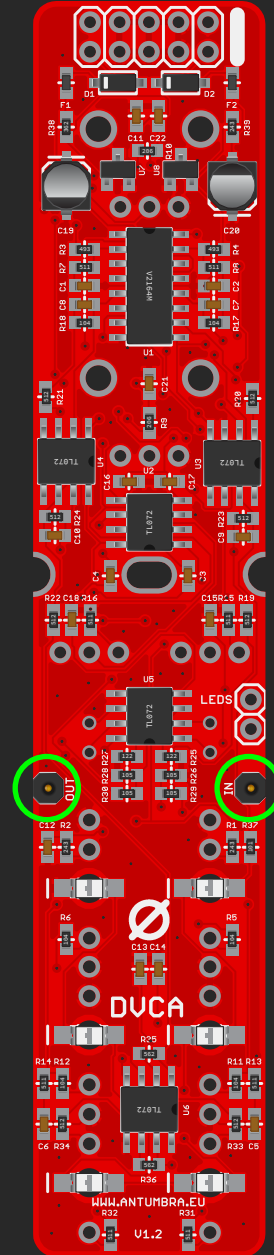
Orientation matters! Match up the silkscreen print with the shape of the parts!

23. Solder the two ferrite beads

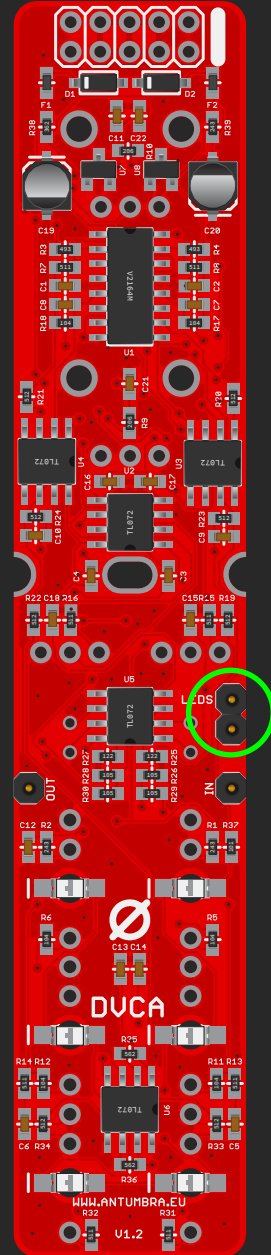
24. Solder the six SMD LEDs

Watch out for their orientation!

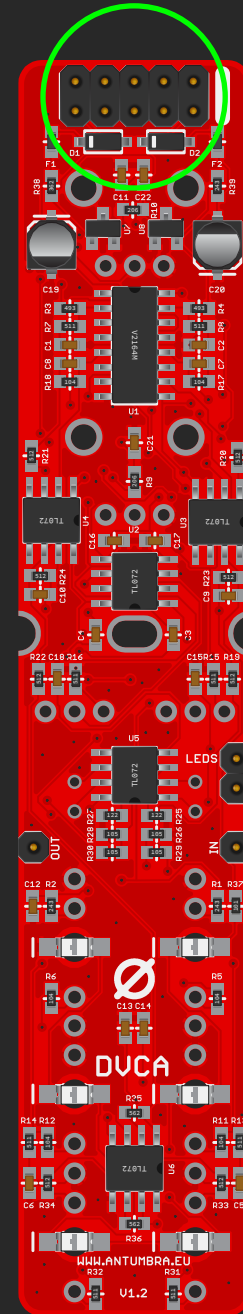
These are optional depending on if you want the jack LEDs or not.



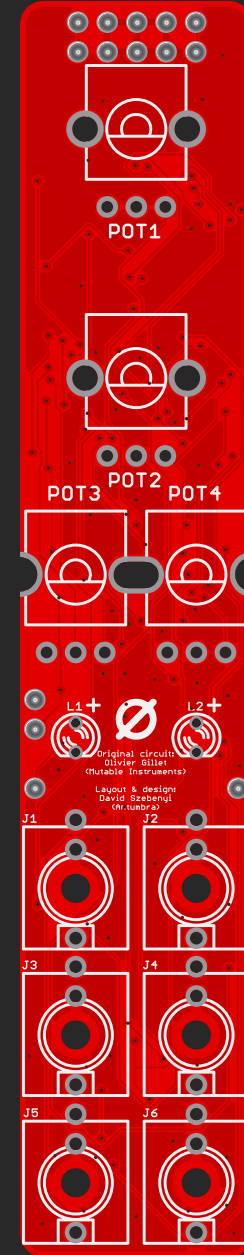
25



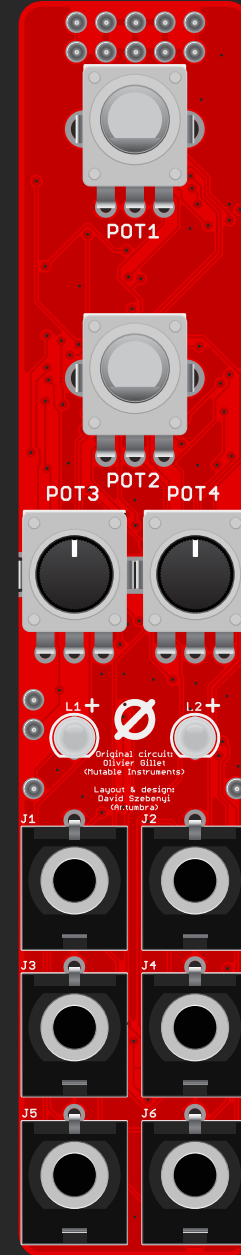
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02. BUILD

25. Solder the two single pin headers

These are optional depending on if you want to chain this module with other DVCAs.

26. Solder the single 1x2 pin header

You could leave this if you don't want the jack LEDs.

27. Solder the 2x5 pin power header

28. Flip the board

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

You are done with building! Congratulations! 😊



DVCA is designed by David Szebenyi under Antumbra.
It is based on the Mutable Instruments Veils by
Olivier Gillet.

www.antumbra.eu

Manual by David Szebenyi (www.aman.hu)

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