

I MUST SCREAM

DUAL VOLTAGE CONTROLLED GATE MODEL 110

ASSEMBLY GUIDE

imustscream.cc



The kit consists of PCB, Panel, 3 bags of components (A, B, C) and knobs.



Bag **(A)** contains: resistors, all numbered by their values

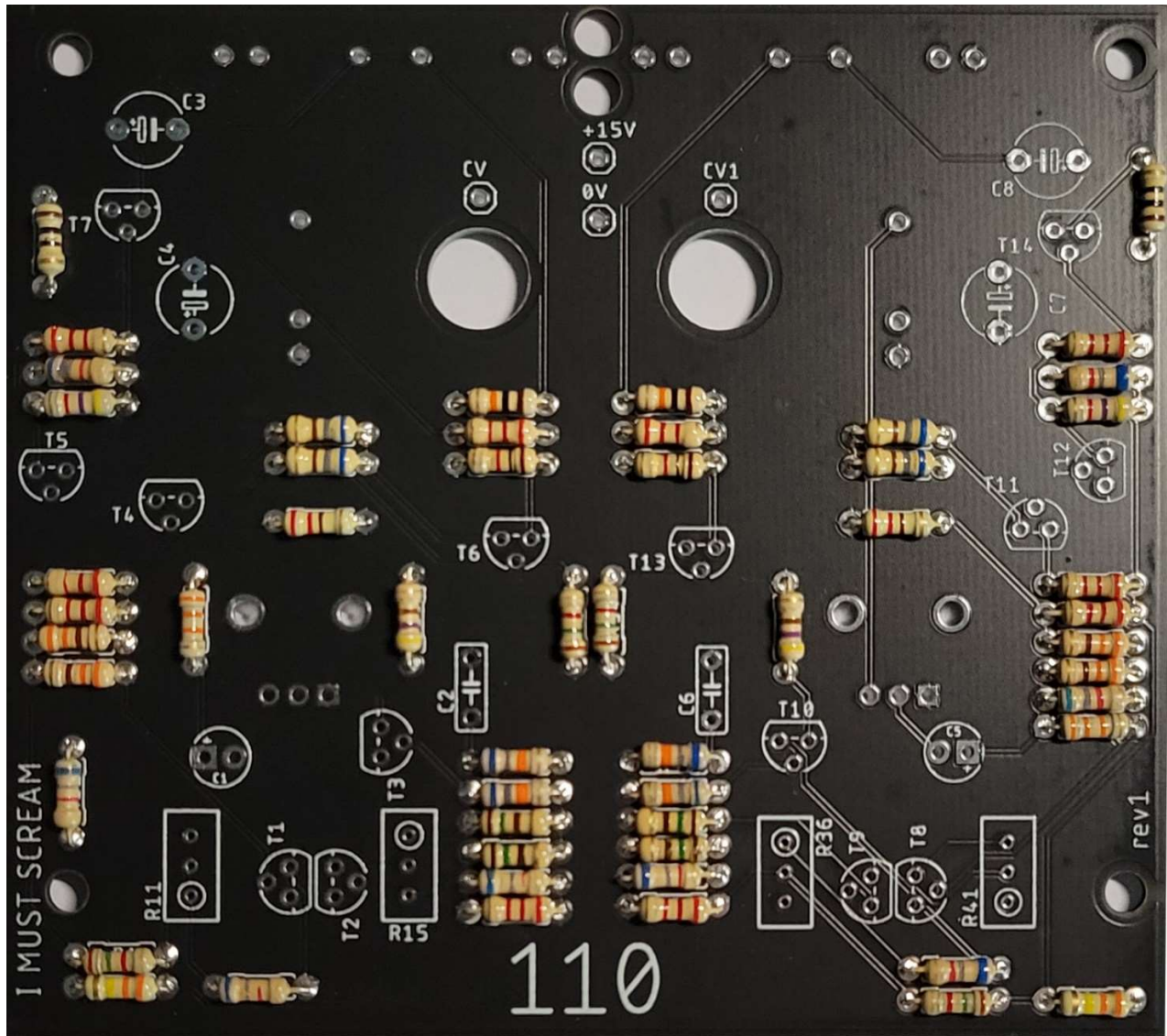
Bag **(B)** contains: Capacitors, Trimmers, Transistors. Pay attention to the matched transistors pairs: (T1 T2) and (T8 T9)

Bag **(C)** contains: Jacks, Potentiometers, Banana Jacks, Standoffs, Wire, Pins.

Please refer to BOM for components placing.

Step 1

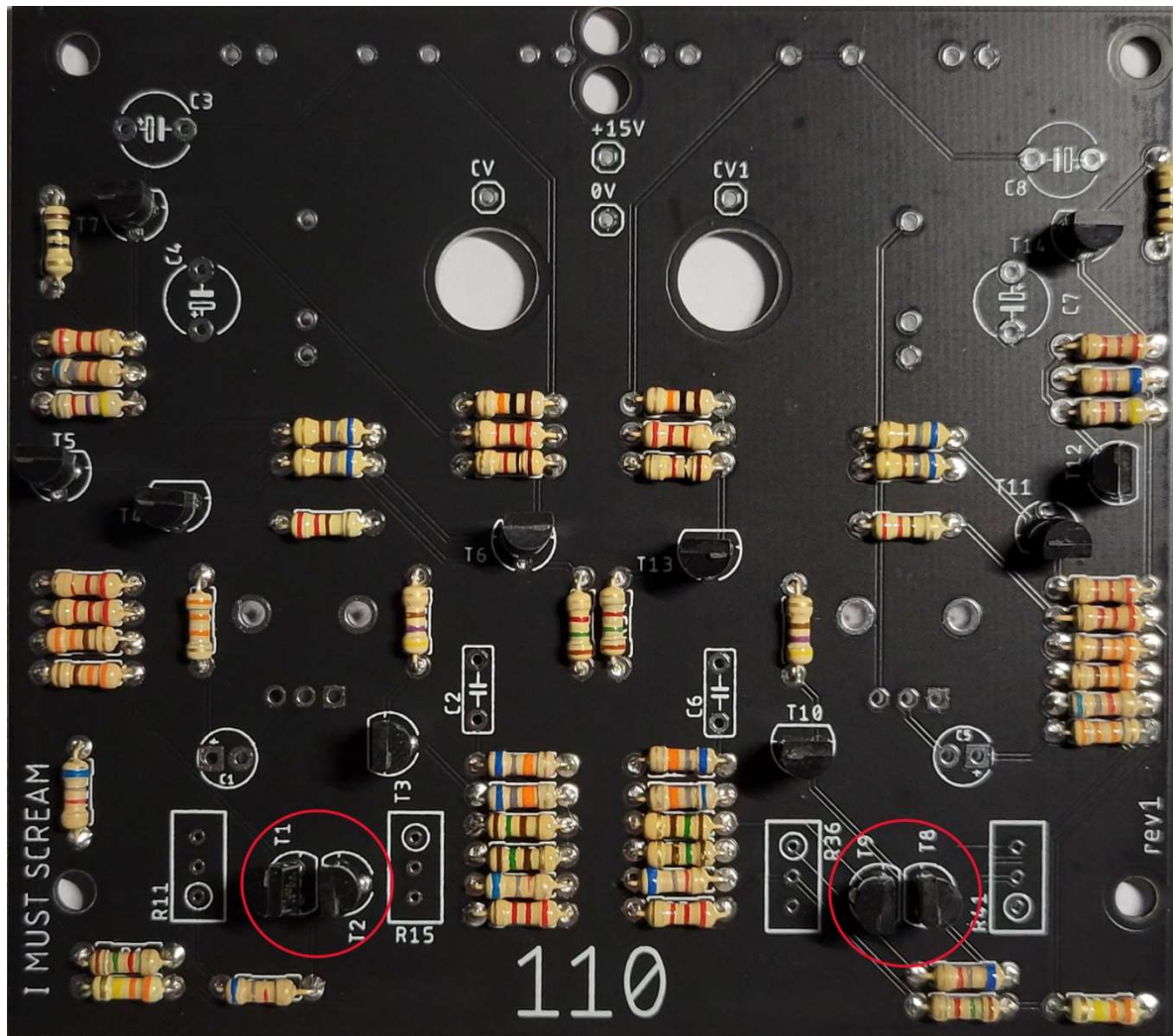
Solder all the resistors.



Step 2

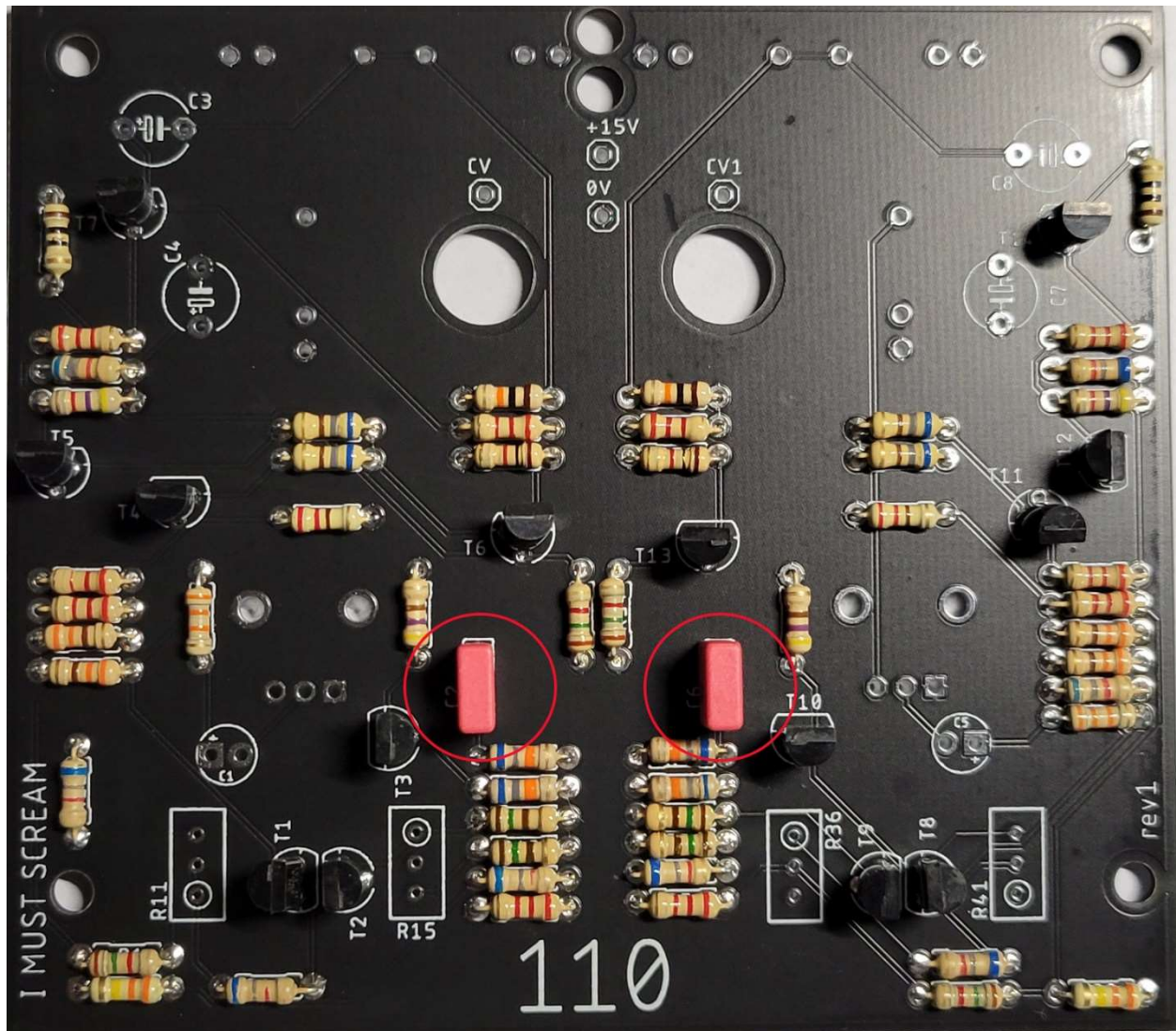
Solder all the transistors. Pay attention to the orientation. The flat side has to match with the flat side on the silkscreen.

Solder matched pairs in their corresponding places.



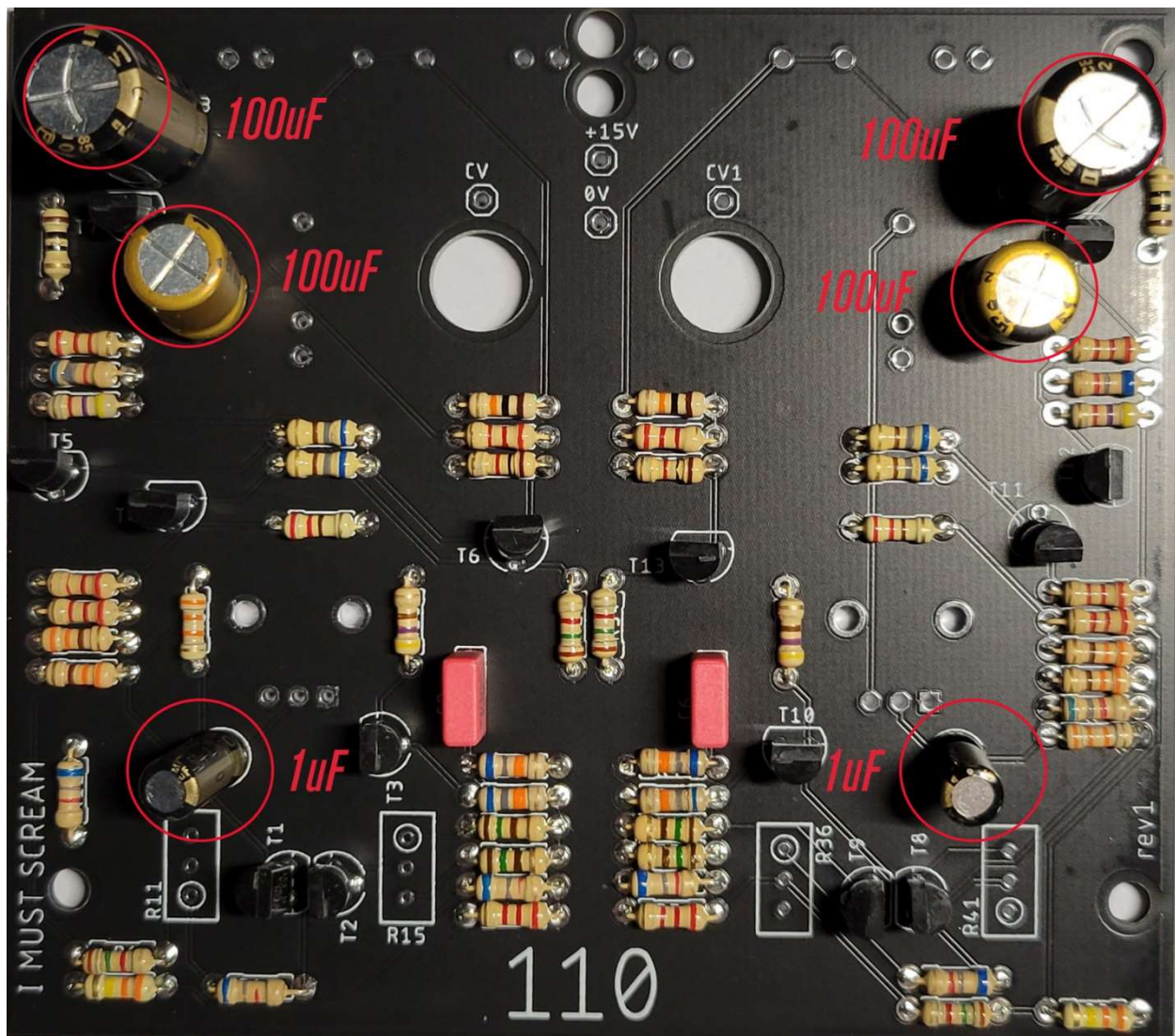
Step 3

Solder 2 **red** unpolarized capacitors. Orientation here doesn't matter.



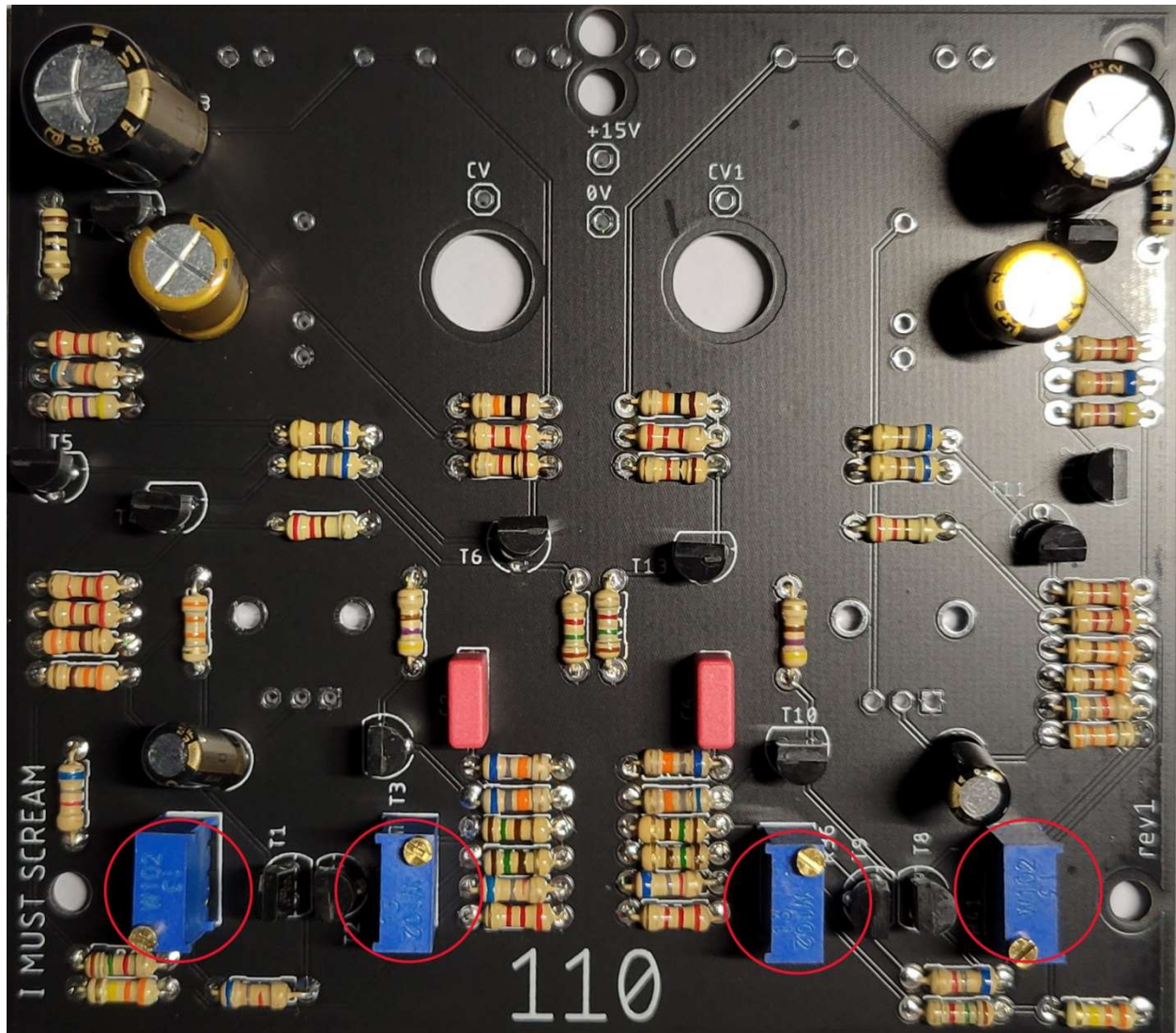
Step 4

Solder polarized capacitors. Orientation here DOES matter. Refer to silkscreen + sign.



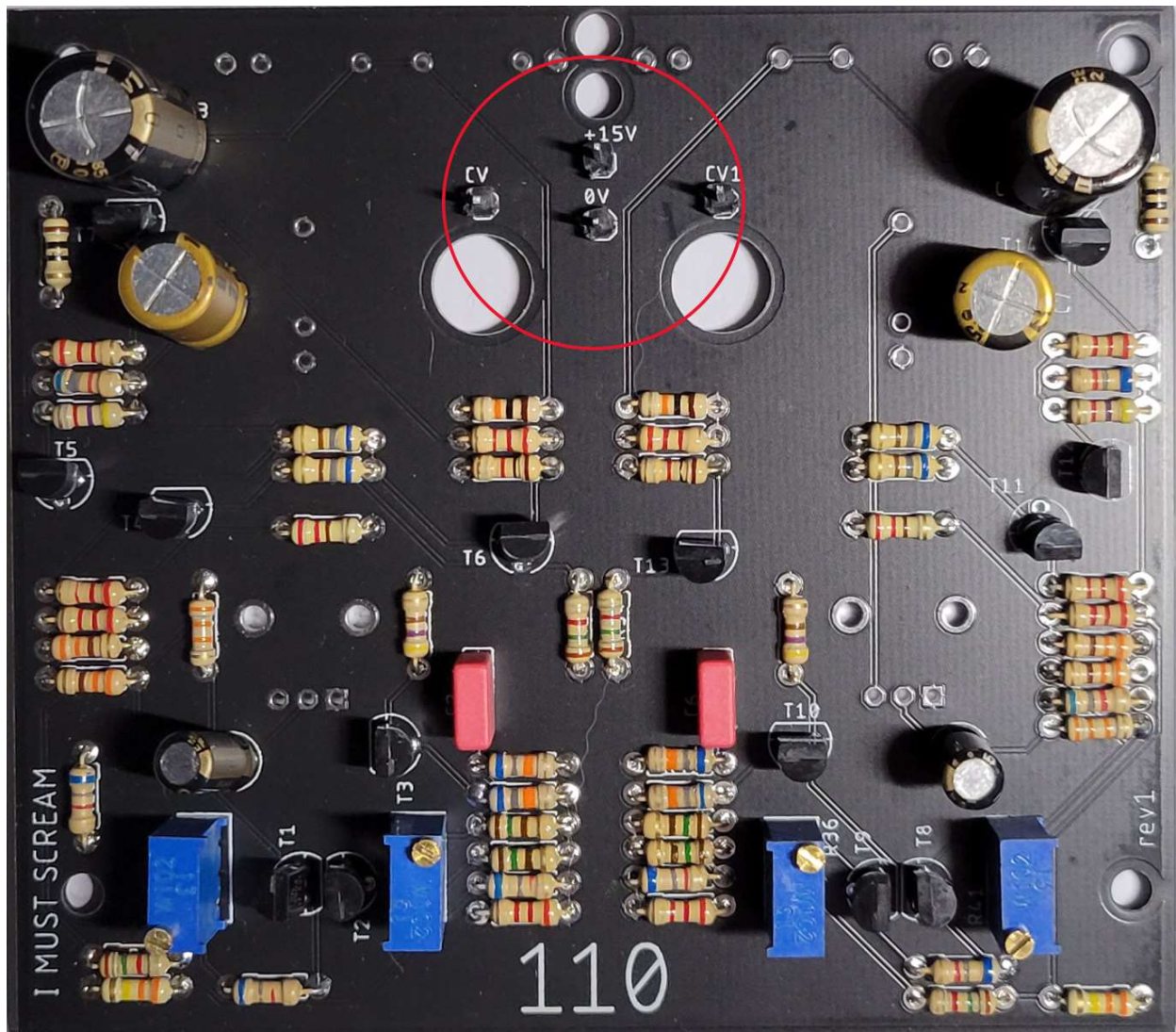
Step 5

Solder trimmers. Pay attention to the orientation. You can refer to the silkscreen or this photo.



Step 6

This step is *(optional)*. Otherwise, you can solder wires directly. However, I strongly recommend using pins.



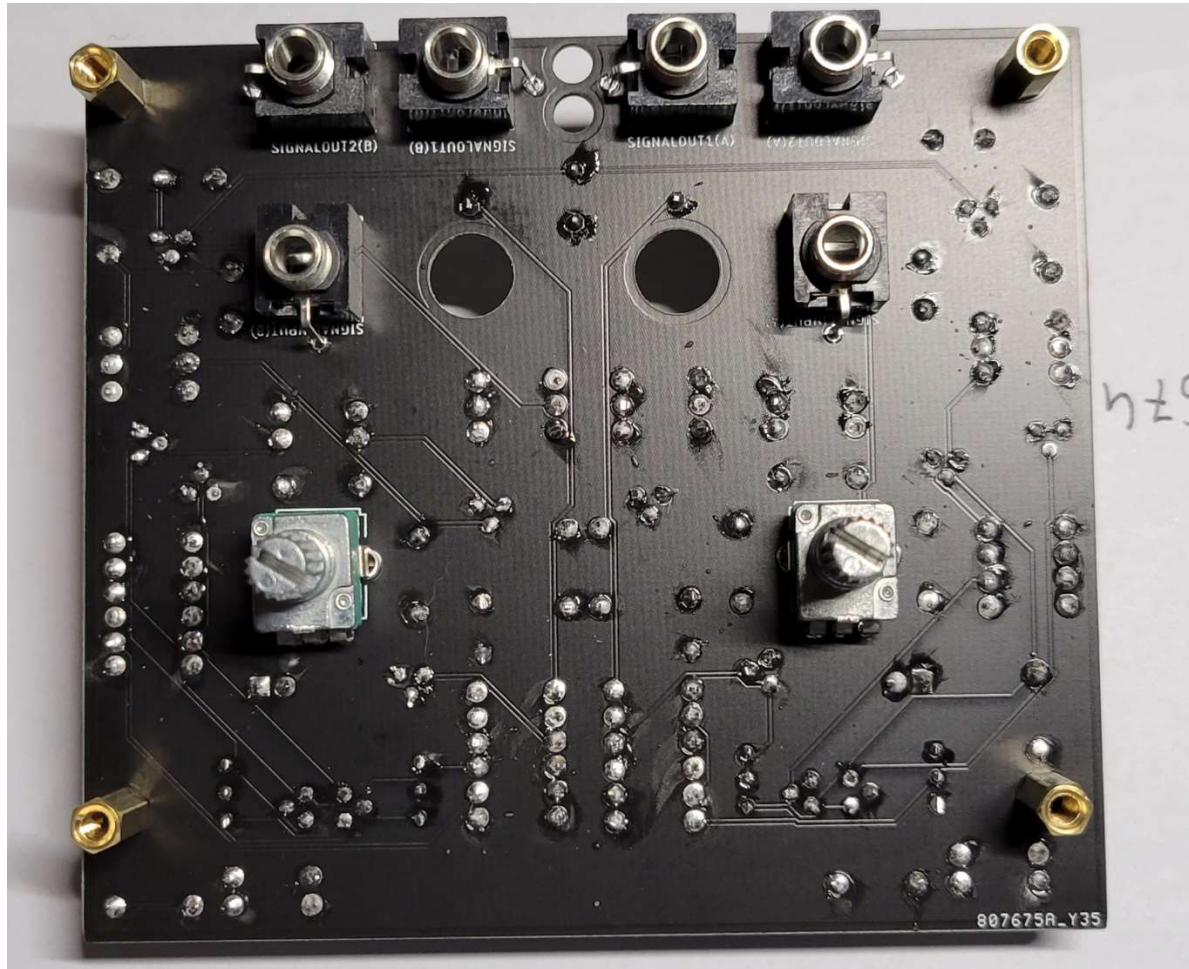
Step 7

Secure the banana jacks on the front panel.



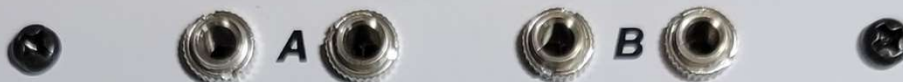
Step 8

Position jacks, potentiometers and standoffs. Don't solder yet. Secure them to the front panel, and tighten. Solder **AFTER** tightening.



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OUTPUTS



INPUTS

control voltage *control voltage*



SIGNAL LEVEL



zero

max

zero

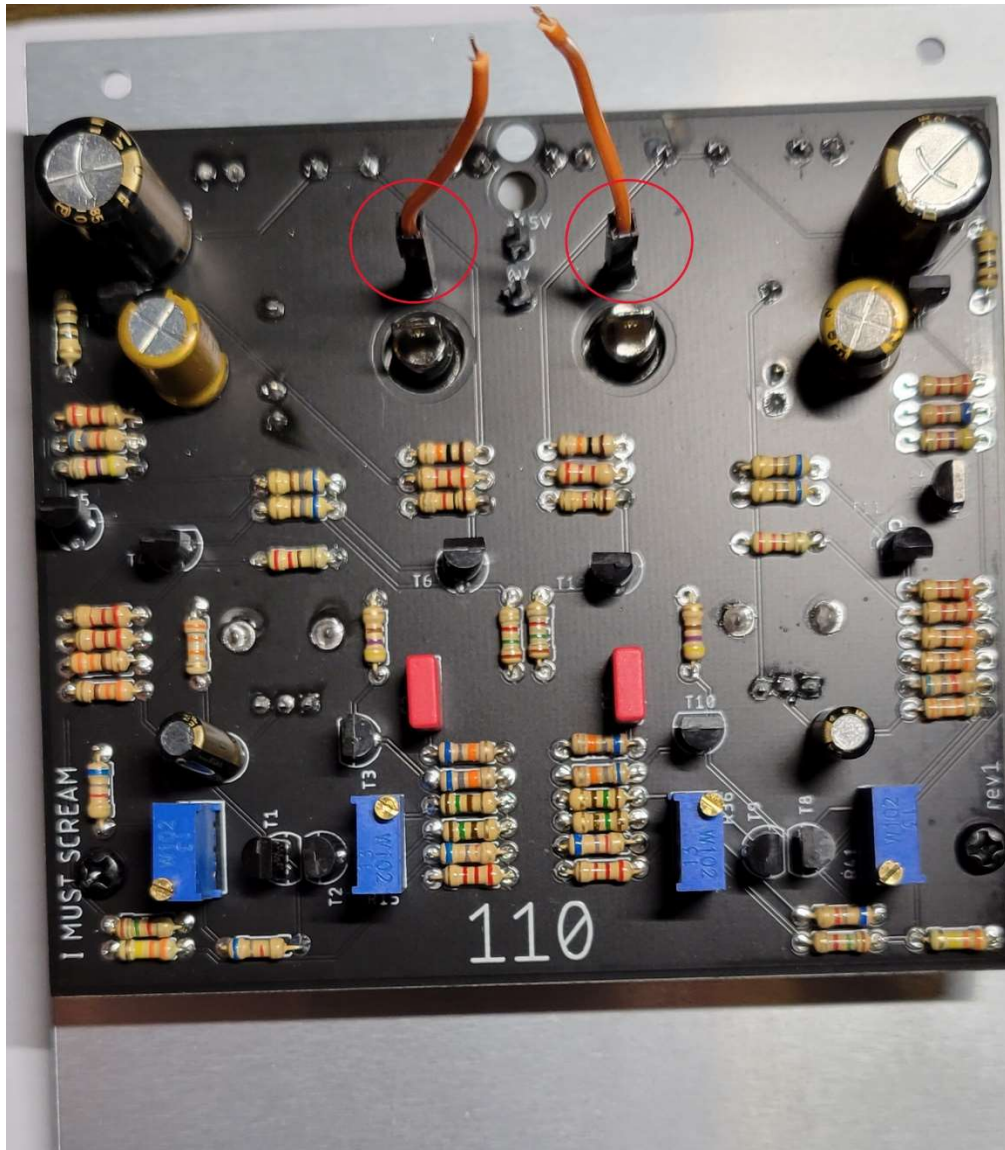
max

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Step 9

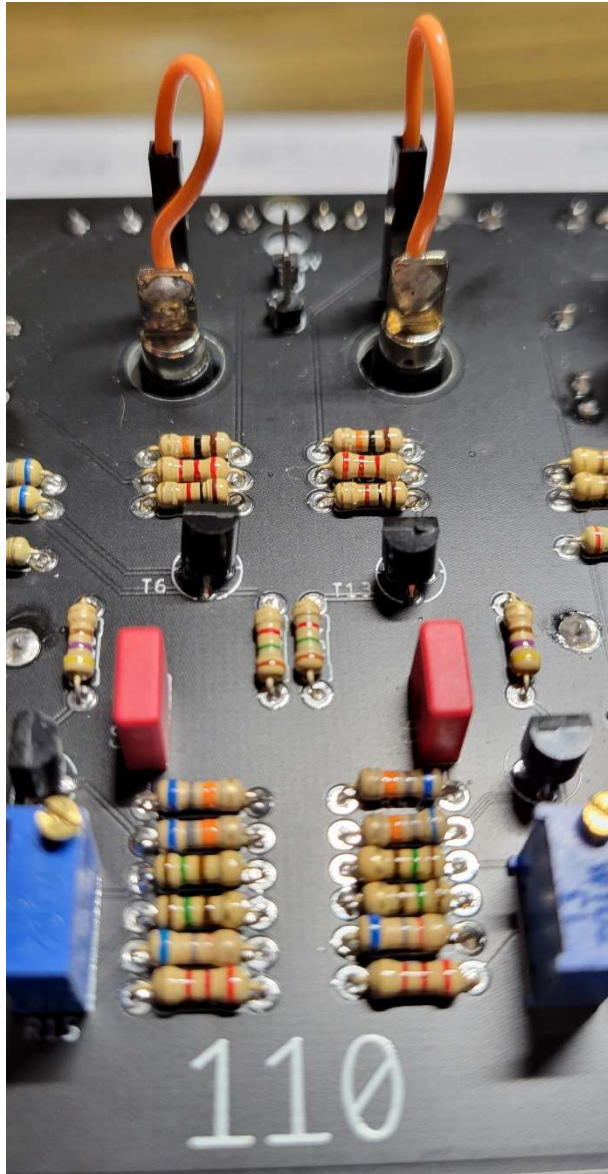
Cut and strip the wire from the Bag (C).

Insert it in the CV pins.



Step 10

Solder wires to the banana jacks.



Step 11

Now you can put knobs on and prepare for simple calibration.
Congratulations!

