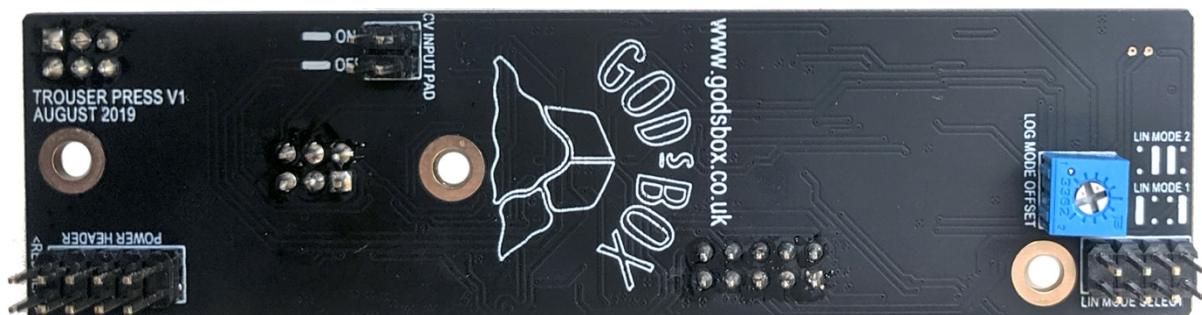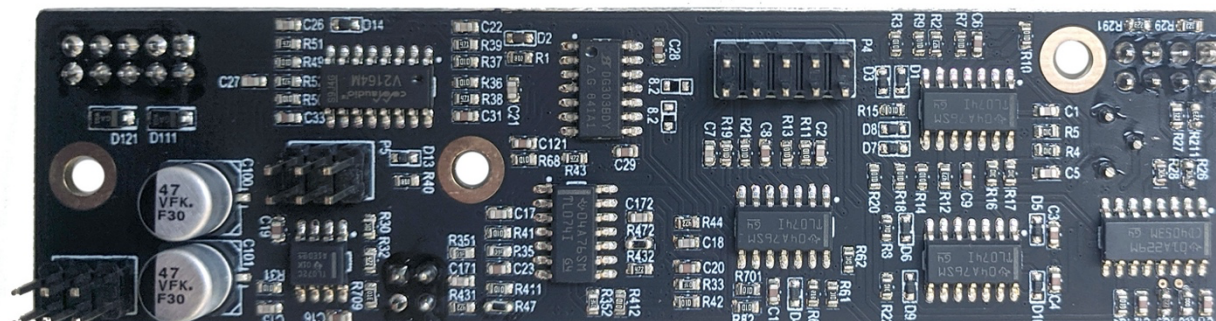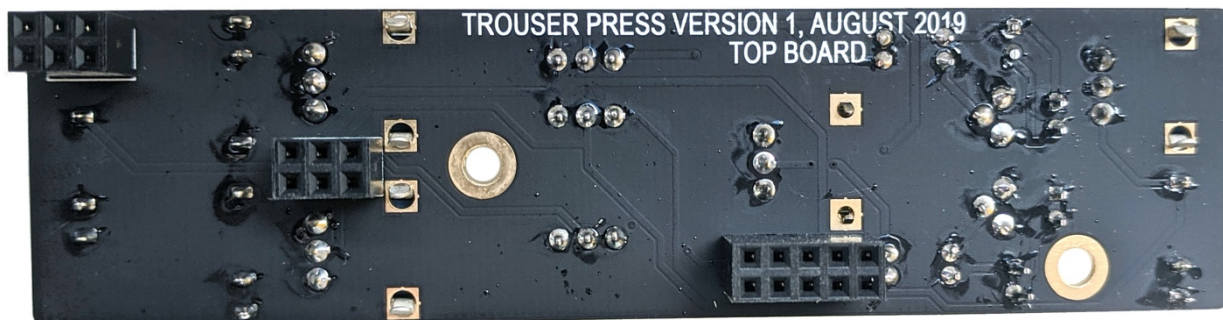# GOD'S BOX – TROUSER PRESS BUILD DOCUMENT

1. First locate the PCB with the God's Box logo and insert the blue square trimmer onto the PCB as shown and then solder in place.

2. Next insert the 2x5 pin power header and place onto the PCB on the same side as the trimmer. Make sure the header sits flush to the PCB and then solder in place.

3. Now insert the 2x4 pin 'LIN MODE SELECT' male header, and 2x2 pin 'CV INPUT PAD' male header. These headers both sit on the PCB on the same side as the blue trimmer and power header, make sure they are flush to the PCB and then solder in place.

4. Next insert both 2x3 pin male headers and the other 2x5 pin male header onto the other side of the PCB as shown below. These headers sit on the same side as the SMD components. Make sure the headers are flush and solder in place.
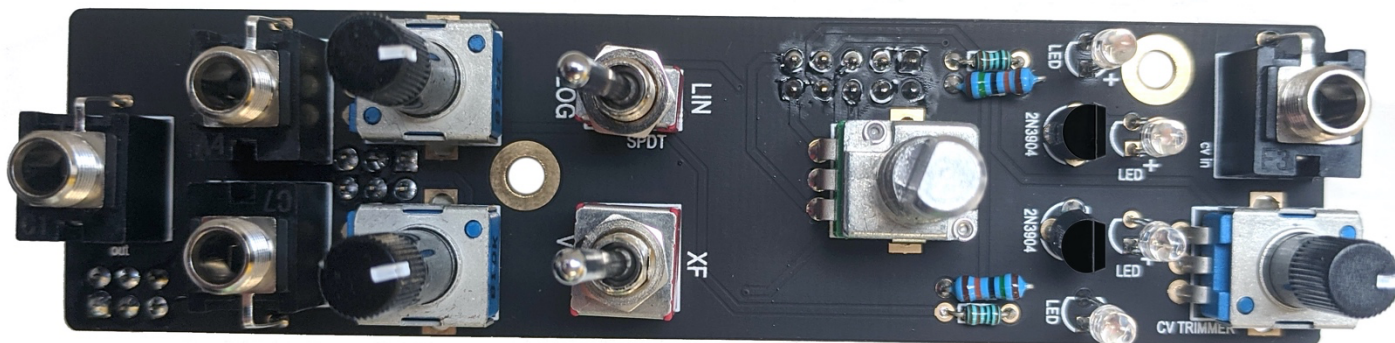

5. Next locate the other PCB. The female headers all sit on the same side as the 'TROUSER PRESS VERSION 1' text as shown below. Solder in both 2x3 female headers and the 2x5 female header as well.
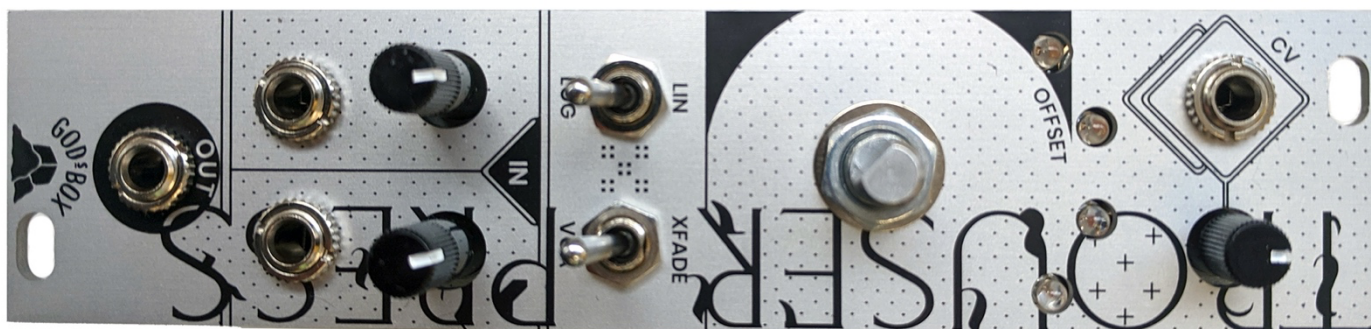
GOD'S BOX – TROUSER PRESS BUILD DOCUMENT

6. Now turn over the PCB and solder the 2 x 150K resistors and the 2 x 1K resistors. The 150K resistors will look different from the picture below – they will have a small body size like the 1K resistors.

7. Next place and solder the 2 x 2N3904 transistors. **NOTE!** Orientation is vital. Make sure the curved body of the component matches the curve on the PCB silkscreen.
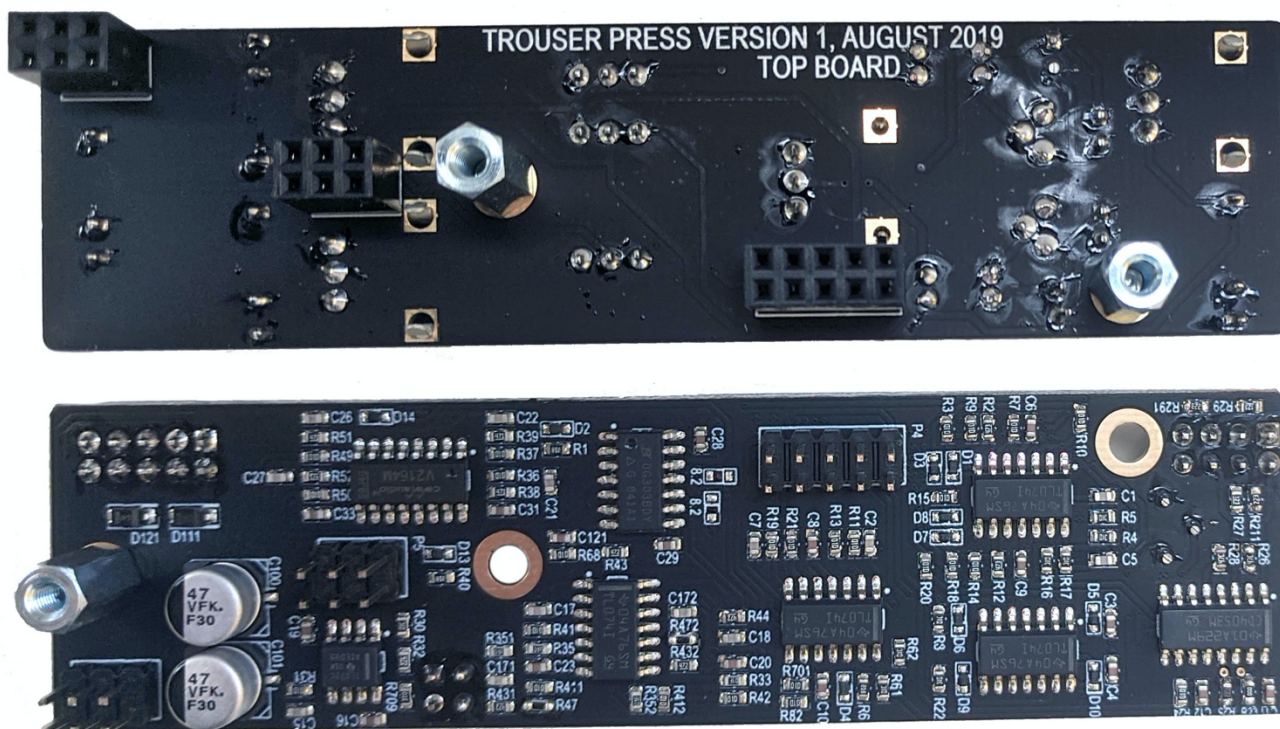

8. Now place but **DON'T SOLDER YET** the potentiometers, jack sockets, switches and LEDs.

9. Of the three plastic shaft trimmer style pots, there is one with a shorter shaft than the other two. The shorter shaft pot should go to the designator labelled '**CV TRIMMER'** (just above the LEDs)

10. **NOTE!** Orientation matters for the LEDs. The long leg of the LED should go to the square pad with the '+' symbol. Taking care of the orientation - you can now place the LEDs – **DO NOT** solder them in yet!

11. Now carefully place on the front panel and secure the components with their nuts to hold the panel in place. **NOTE:** Before soldering the LEDs - it's recommended to use masking tape to hold them to the front panel. We recommend having the domed section of the LED just poking out from the panel for the best looking finish.

12. Now you can solder in all the pots, jacks, switches and LEDs.

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13. Now remove the frontpanel and screw the three metal standoffs onto the PCBs as shown below.

14. Next you can sandwich the two PCBS together, connect the PCBs by mating the 2x5 and both 2x3 male and female headers together. Note: Two of the three standoffs can be secured on both PCBs while one of them only attaches on the front PCB.

15. Now attach the frontpanel again and secure the pot with its nut and washer, and the jacks and switches with their nuts. You can now attach the knob as well.

16. The module is now complete. Affix the power cable as shown. The red stripe should always be facing the text label '<RED HERE>'

For information on placing the jumpers on the back of the module see the manual here:
www.godsbox.co.uk/documents/trouserpress_manual.pdf

V1 – 21/01/2022