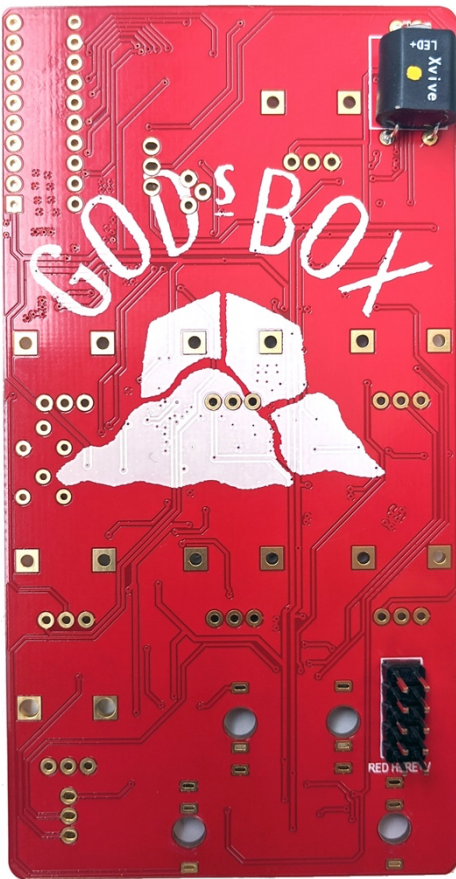
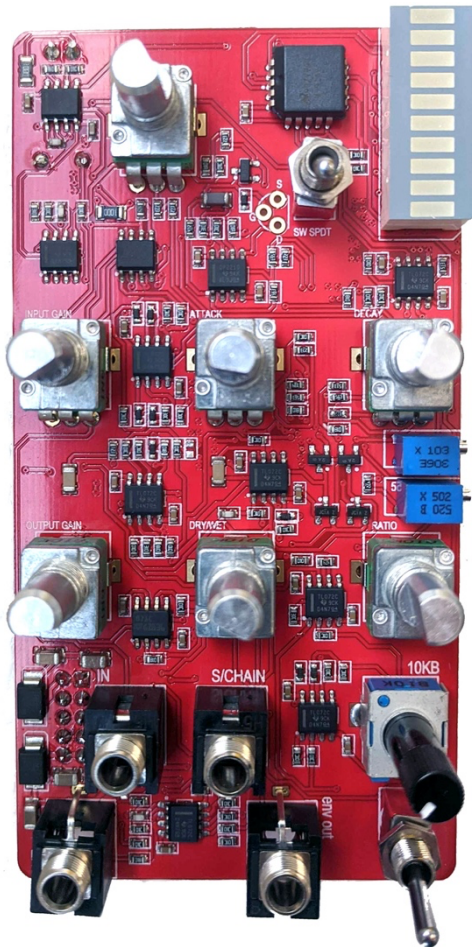
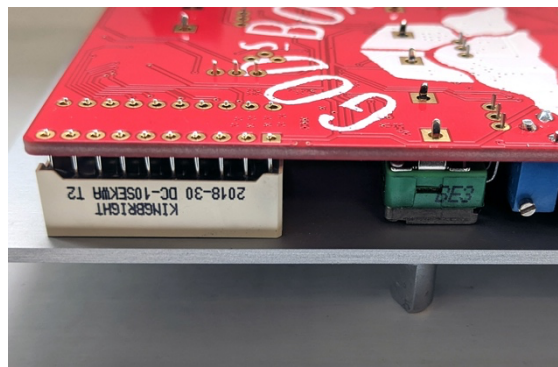


GOD'S BOX - LOLLIPOP MK2 BUILD DOCUMENT

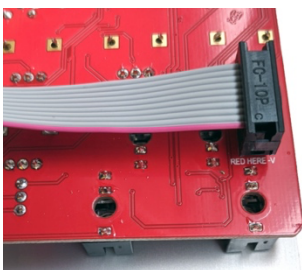


1. Insert and solder 2x5 pin power header on the bare side of the PCB.
2. Solder the Vactrol on the same side as the header - **NOTE: orientation matters for the vactrol.**
3. Next solder the 2 x blue side adjust trimmers, these are placed on the same side as the SMD components with screws facing the edge of the PCB. 10K = 103 and 5K = 502.
4. The 3 holes labelled S, G and D on the PCB can be left bare, this footprint is there to give the option of using a different FET instead of the already pre-soldered MMBF4393
5. Now place but **DON'T SOLDER YET** the potentiometers, jack sockets, switches and LED bargraph. **Be sure to match the pot values with the PCB silkscreen.**

NOTE! Orientation matters for the LED bar. One of the corners is flattened - make sure you align this with the PCB silkscreen. Now you can carefully place on the front panel and screw the nuts and washers onto the pots, jacks and switch. **NOTE: Read the next step before soldering the LED bar**



6. The module looks much nicer when the LED bar is soldered flush to the front panel. Secure the panel by screwing a few nuts and washers onto the pots, then make sure the LED bar is lined up straight to the panel hole. It's a good idea to solder a single edge pin of each row and then check that it's still lined up straight before proceeding with the rest of the solder joints – this way you can still re-position it if required.
7. Now you can solder in all the pots, jacks and switches and then place the seven knobs onto the pots. **Be sure that the pot values match with the PCB silkscreen!**
8. The module is now complete. Affix the power cable as shown with the red stripe down. The red stripe should always be facing the PCB text label 'RED HERE -V'.



The Lollipop calibration instructions can be found here:

www.thonk.co.uk/documents/gbox/lollipop/lollipop%20calibration.pdf

(Offset calibration is no longer necessary)