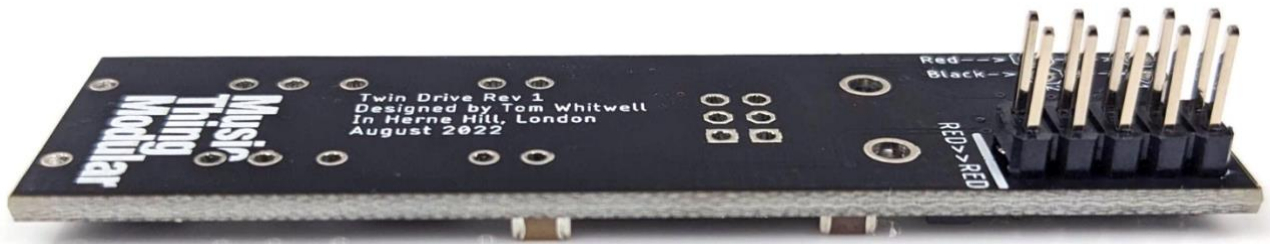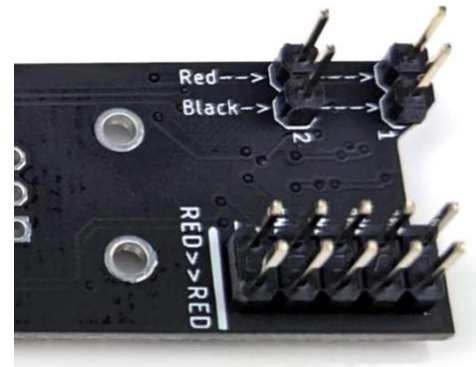# Twin Drive – Build Document v1.1

1. Start by locating the 10-pin power header. The header sits on the same side of the PCB as the Music Thing Modular logo as shown below. Solder two opposite corner pins first and then check the header is flush to the PCB before soldering the remaining pins.

2. Next solder both the 2-pin headers. These header sit on the same side of the PCB as the power header. Solder just one pin of each first, and then check that they are straight and flush against the PCB. If they need adjustment, then reheat the solder joint and push flat against the PCB. When they are sitting flush then solder the second pin of each header. **NOTE:** be careful of the SMD components nearby on the PCB – be accurate with your soldering iron placement.

3. Now place but **<u>don't solder yet</u>** the jacks and pot on the other side of the PCB. Fit the frontpanel and attach all nuts & washers to secure the panel in place. Then flip over and solder the jacks and pot onto the PCB.

4. Next fit the bulb sockets on to the frontpanel and attach the MTA wires onto the 2-pin header (following the red/black polarity on the PCB silkscreen).

5. Now the 2 wires on each header need to be soldered onto the bulb socket. The wire length can be shortened if desired, or you can simply go ahead and solder each wire onto one of the terminals on each socket as shown below.

6. Next insert the bulbs into their sockets, and finally attach the knob and power cable, **NOTE**: make sure the red stripe on the cable is facing towards the text on the PCB: **RED>>RED.**

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