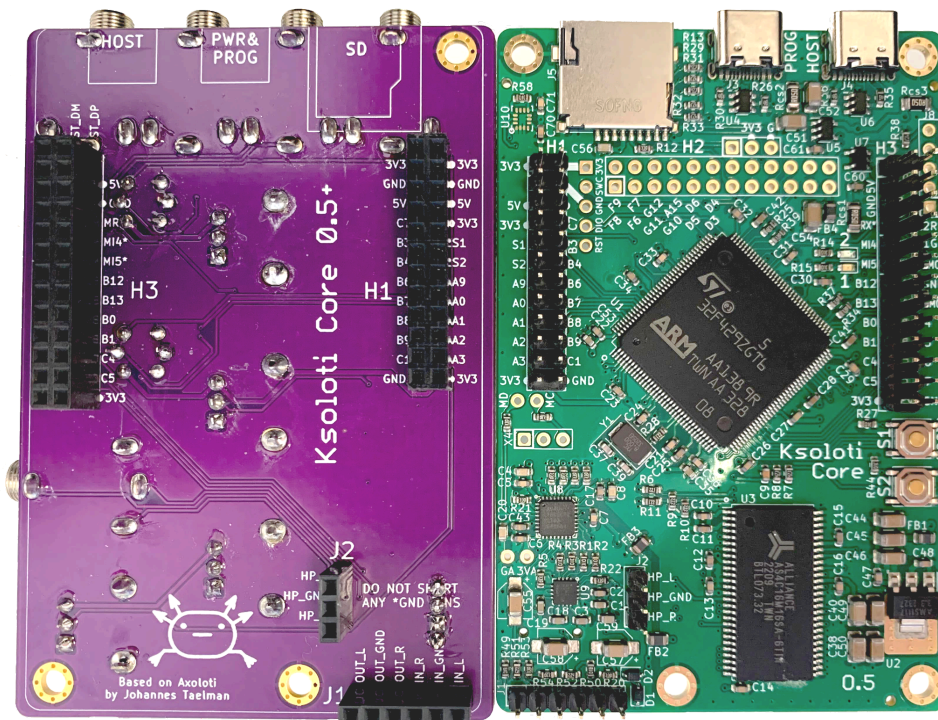


## K-Control Mini - Build Document

1. The first step in this build is securing the headers to both the control PCB and the Ksoloti board. To ensure the headers are aligned properly, position the 2x13, 2x12, 1x6 and 1x3 headers pairs as pictured.

Place the female headers onto the K-Control PCB on the opposite side to the SMD chip matching the PCB silkscreen.

Place the male headers on the Ksoloti board so they are on the same side as all SMD parts. **DON'T SOLDER YET**

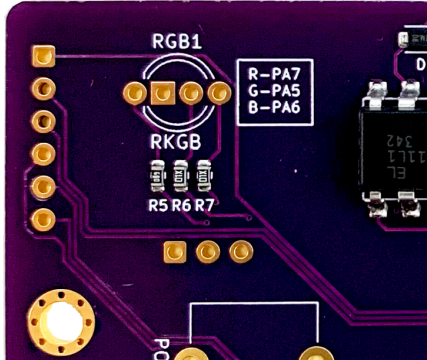


Ensure the boards are sandwiched securely together and lined up straight before soldering all header pins on each side. If necessary screw one of the 11mm standoffs between the two boards to hold all headers in place whilst soldering.

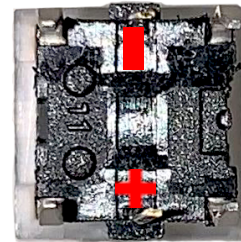
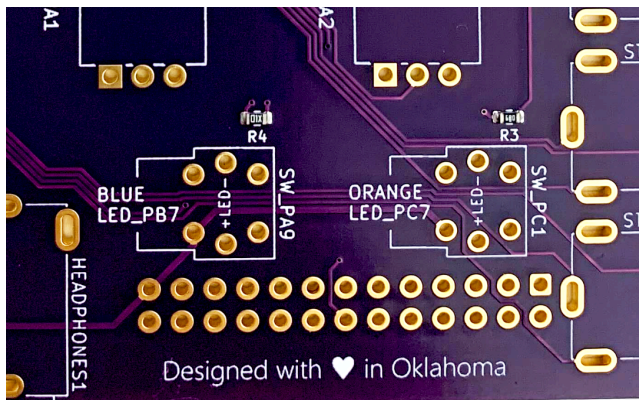
2. For the next step carefully take the two boards back apart before inserting the 5 blue jacks into the top of the PCB. Solder these flush to the PCB.

- Next place the LED and two LED buttons onto the same side of the board but **DON'T SOLDER YET.**

**IMPORTANT** both the LED and the switches are sensitive to orientation, meaning they must only be placed one way round.

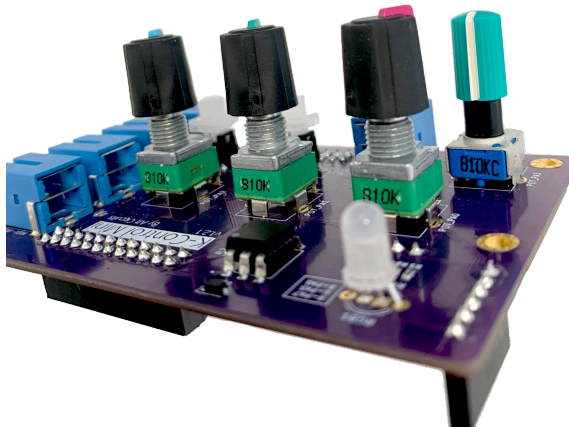


When placing the LED, the longest of the four legs must be inserted into the square pad on the PCB silkscreen. There is also a flat edge on both the LED and PCB silkscreen that should match.



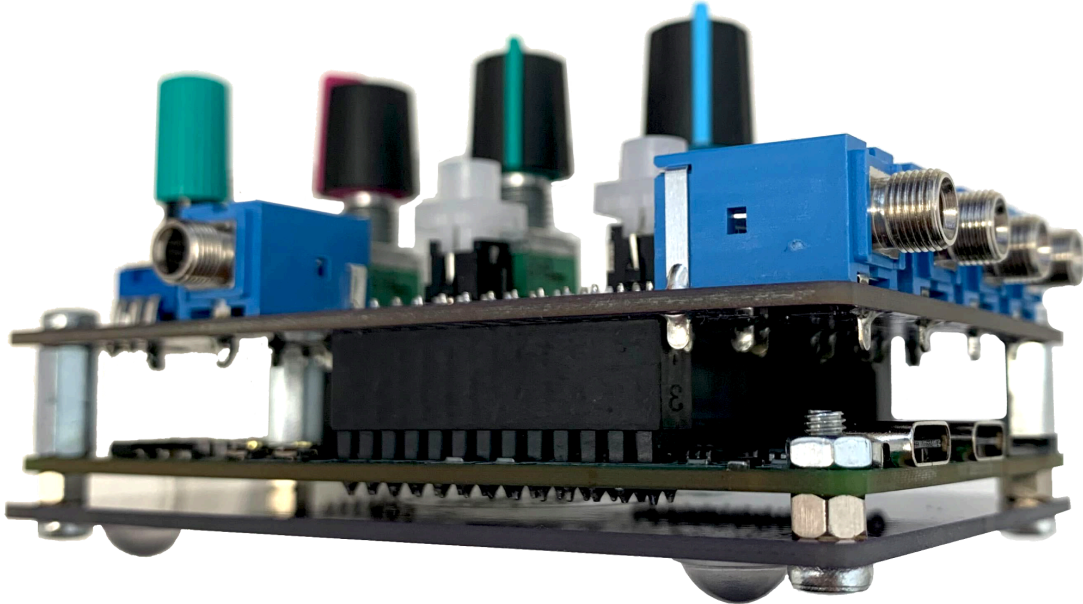
On the bottom side of each button there is a small + and - symbol that must match up with the corresponding symbols on the PCB as shown.

Note that each switch should be colour marked on one side of the black body to indicate which is one blue and which is orange.



- With the jacks and LED's secure, next place the 3x B10K Alpha pots and B10K Centre detent Trimmer in place as shown. Without a panel to secure these in place it is important they are soldered flush to the board, snapping in each pot securely. Finding something to press the board against whilst soldering from the other side can help.

5. Now is the time to re-secure the boards lining up all the header pins, before attaching the screws, standoffs and nuts and bottom panel as shown.



Note the bottom right hand corner of the K-Control is secured with one 10mm screw, mini standoff and 3mm nut only. The three other corners are secured using the longer 10mm screws from the bottom panel, into a mini standoff, before using the larger standoffs and 6mm screws between Ksoloti board and top PCB

6. Finally attach the knobs, trimmer topper and rubber feet to the completed unit.

