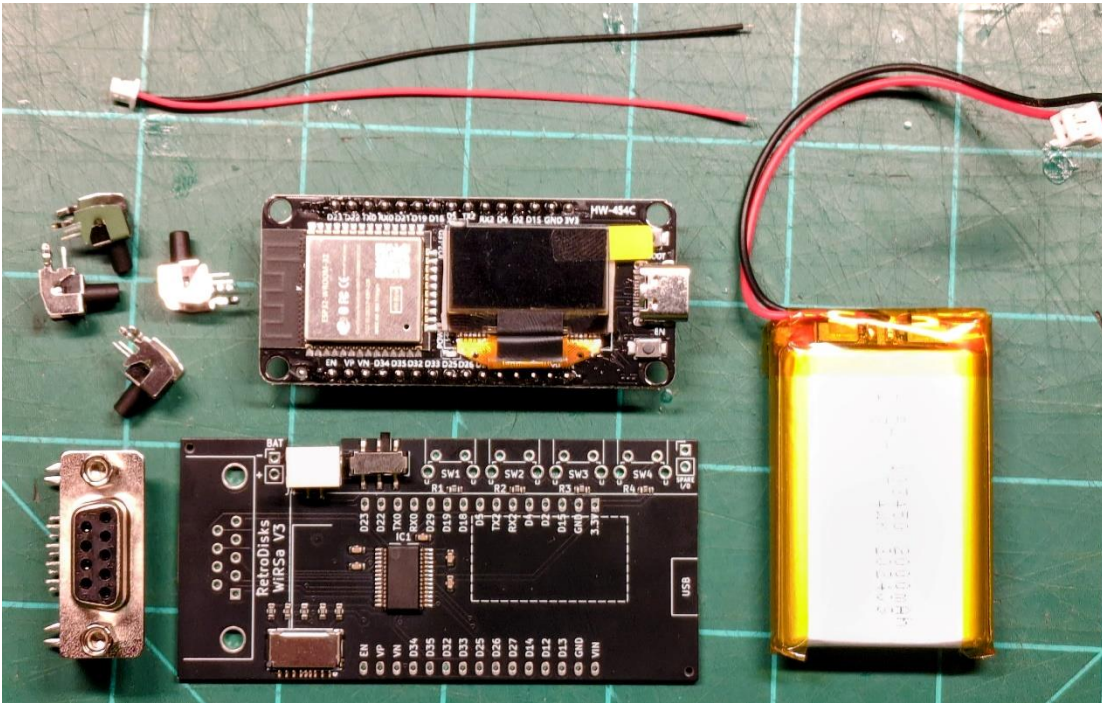


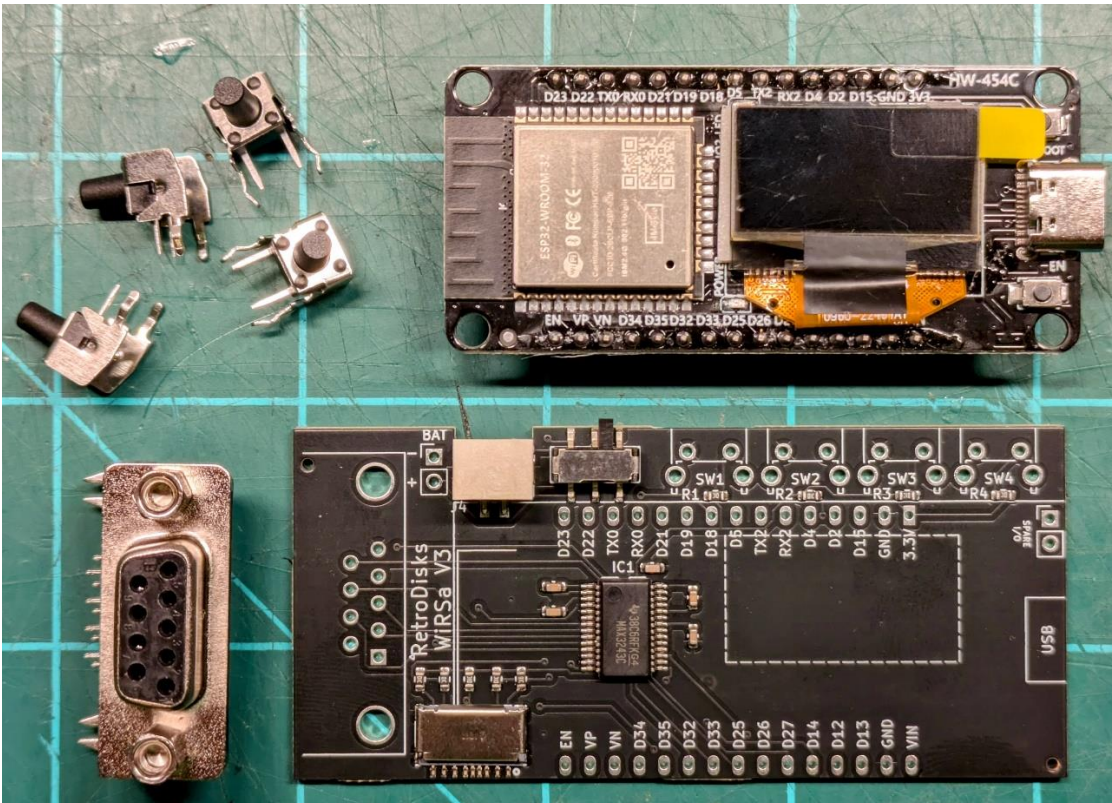
RetroDisks WiRSa v3 - Kit Assembly Instructions

Included in the Kit

(with battery)

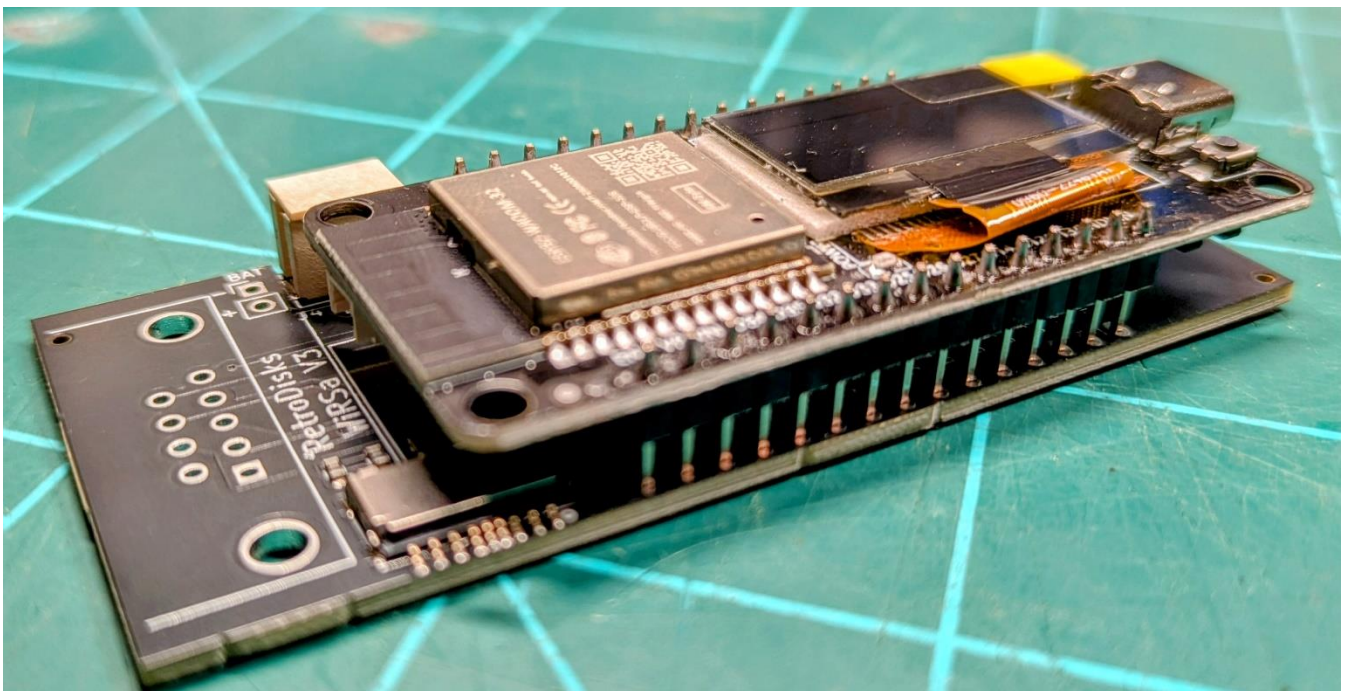
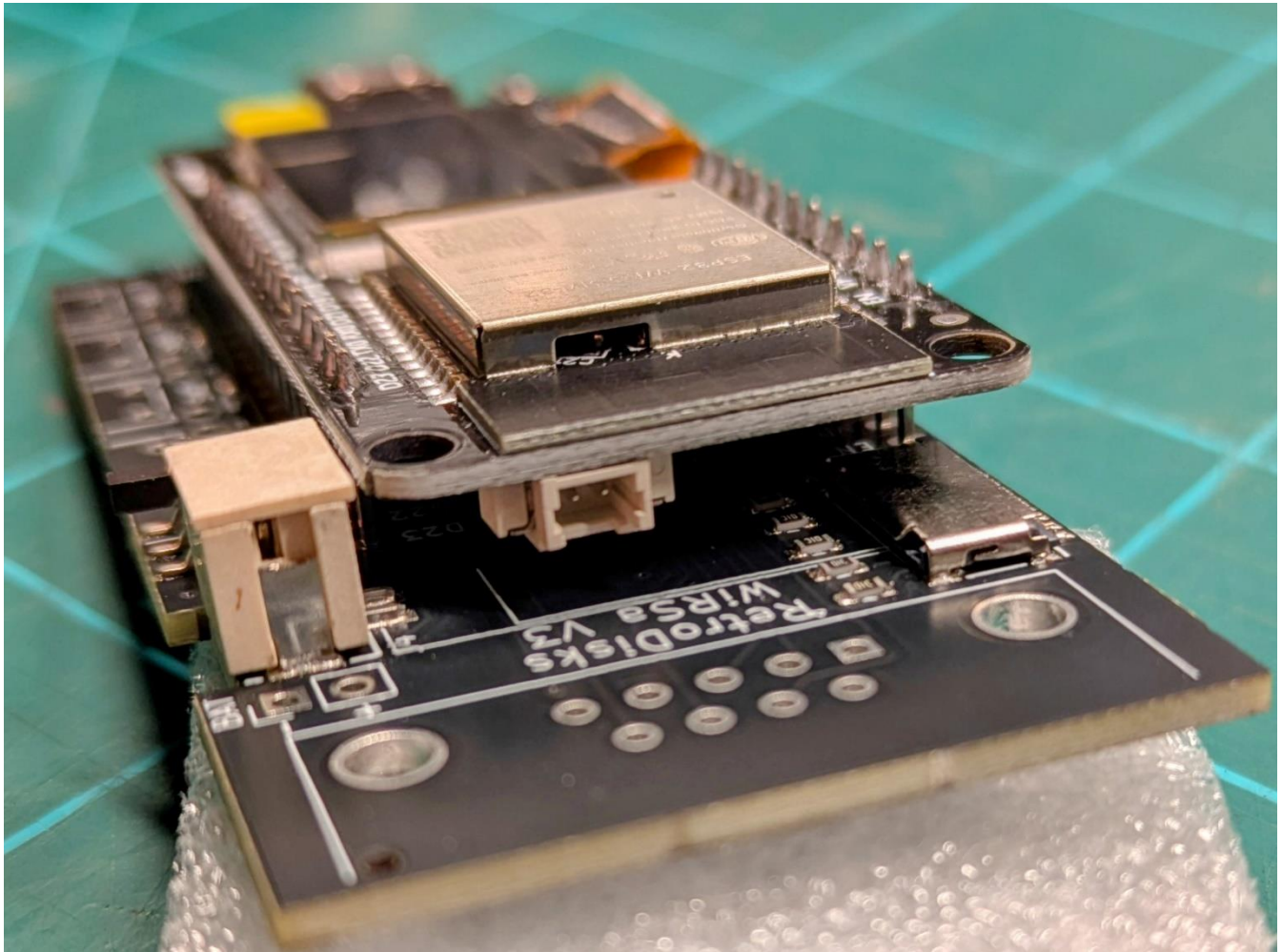


(without battery)

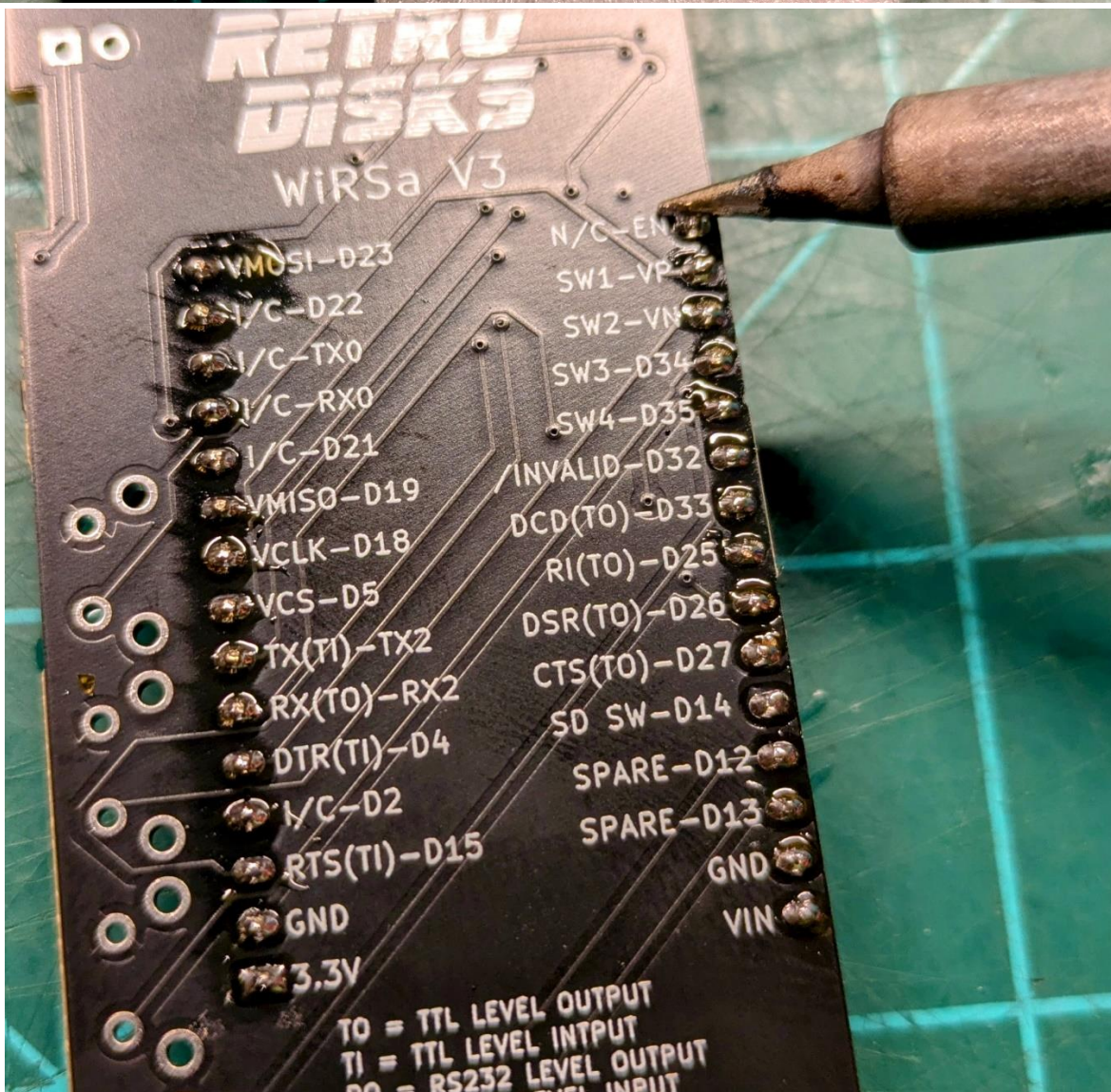
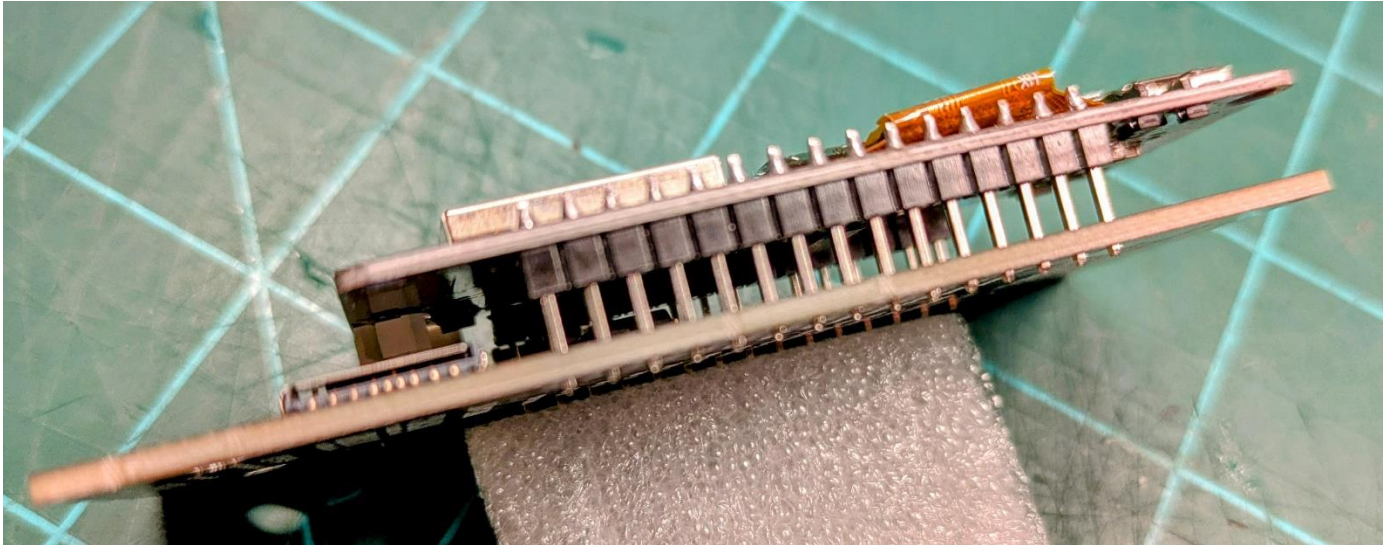


Assembly

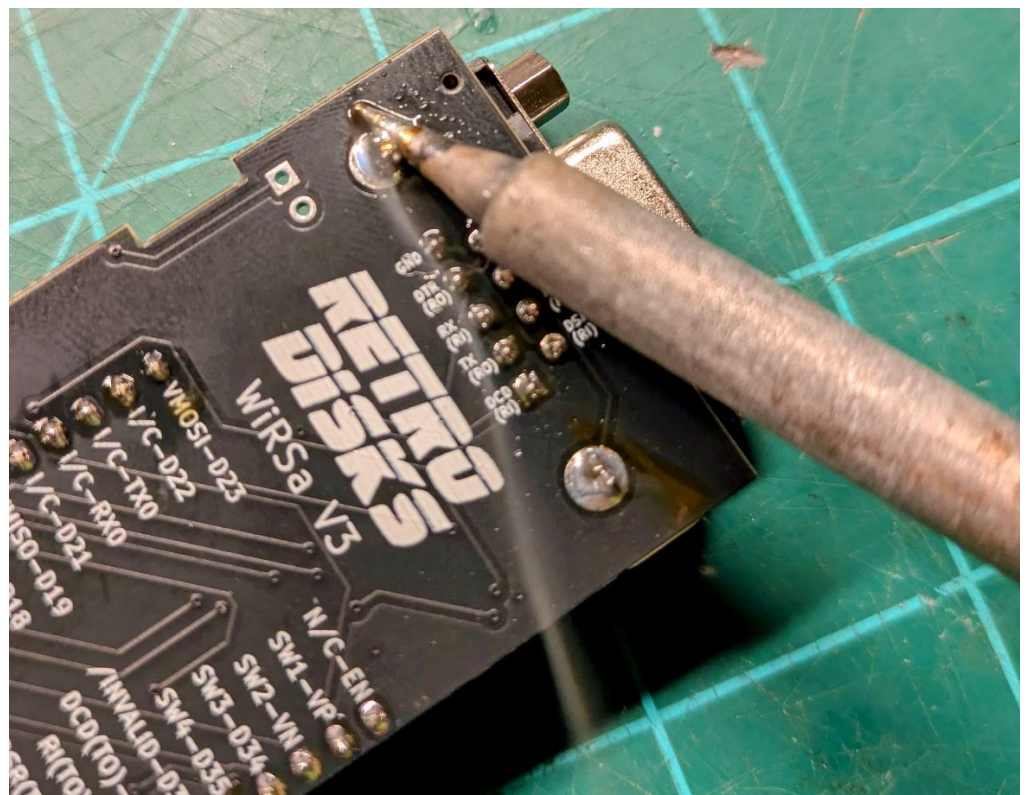
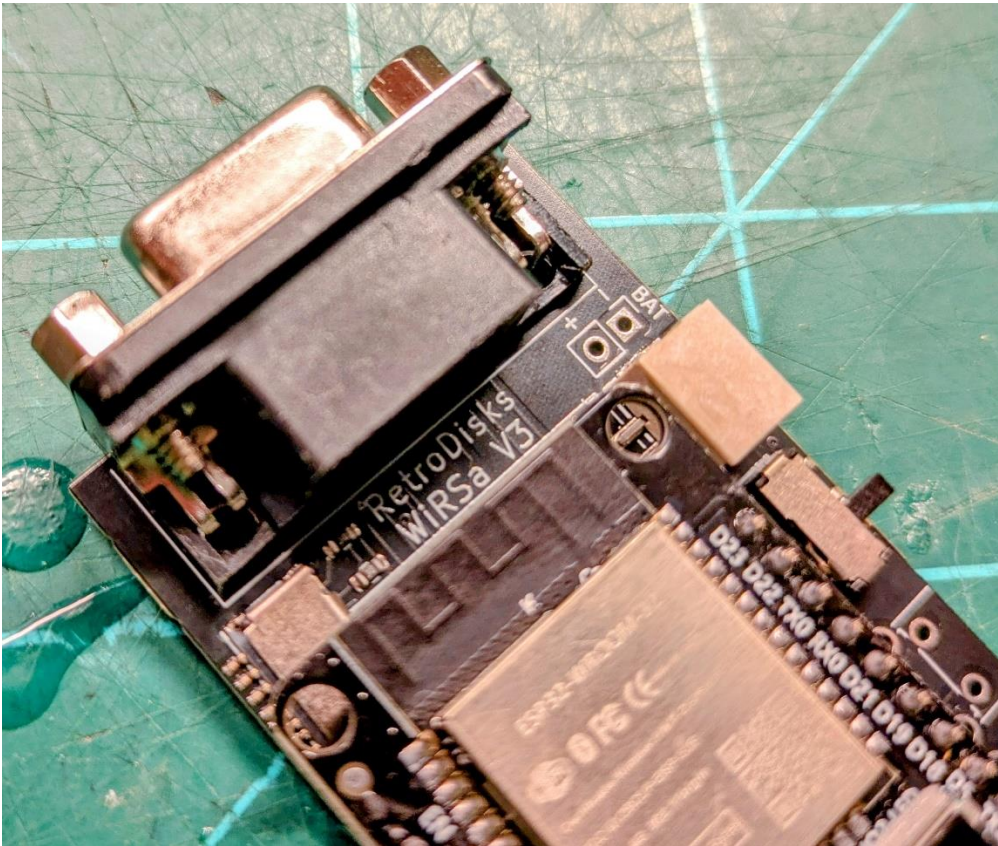
1. Start by placing the ESP32 dev board into the holes on the WiRSa PCB, lining up the USB towards the back of the PCB as pictured.



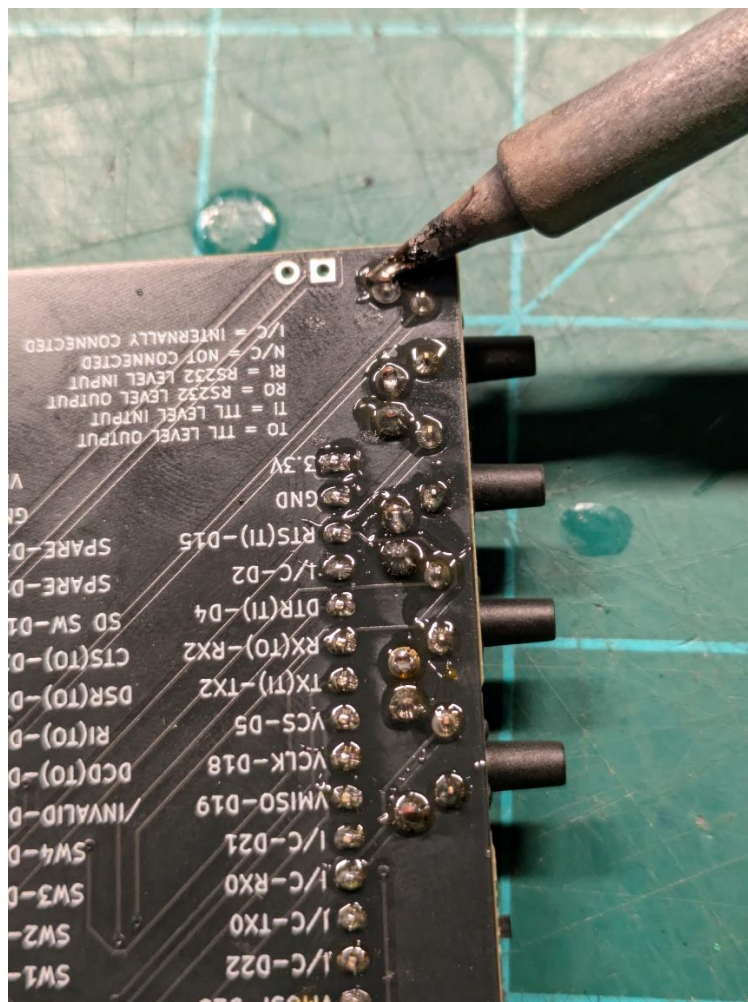
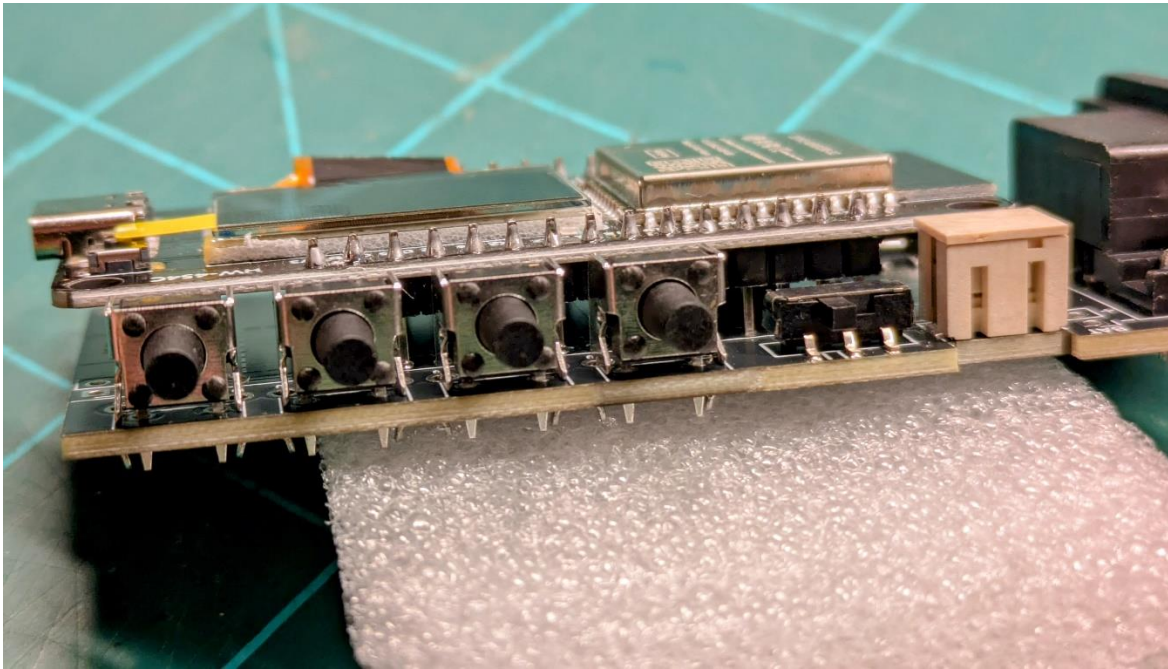
2. Insert the pins into the holes until the pins just barely poke through and solder in place. This way when the PCB is placed into the enclosure, the screen is closer to the top. If you don't plan to use an enclosure, it's fine to push it further in. Solder all points in the bottom, taking your time ensure a good application.



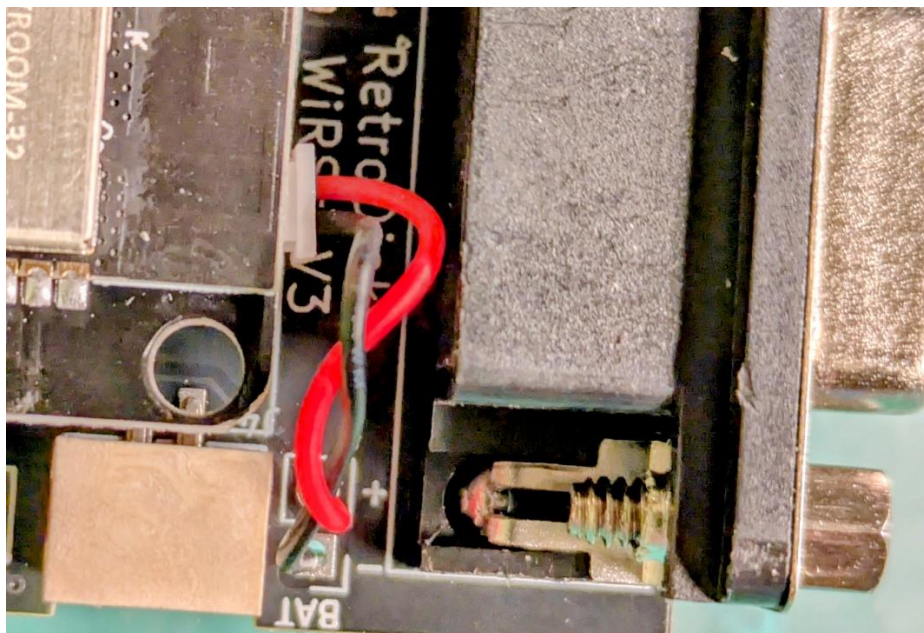
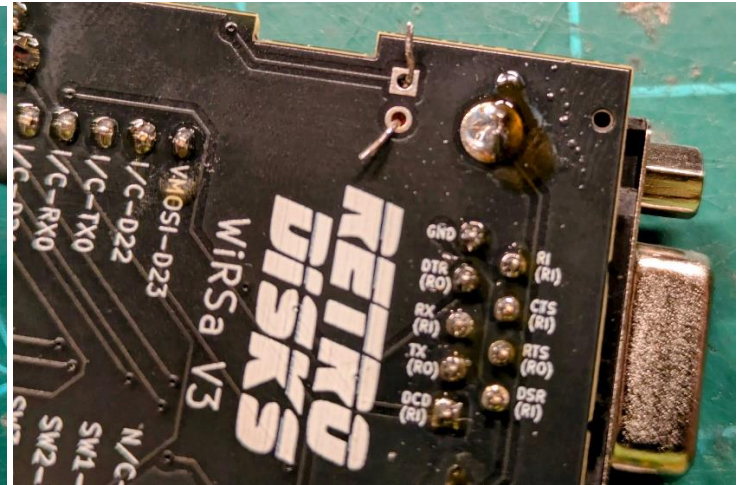
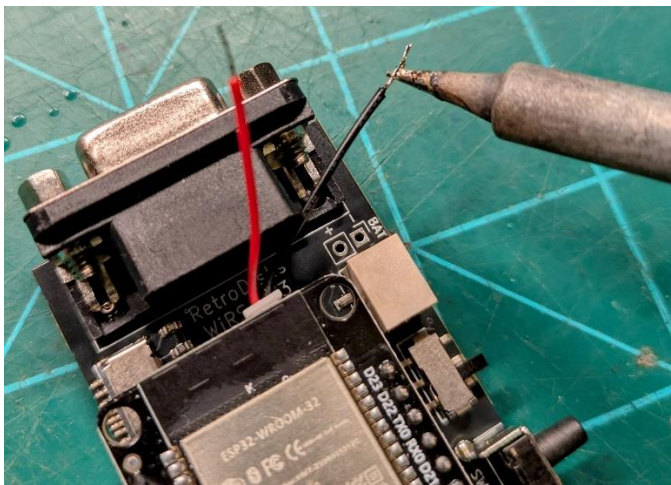
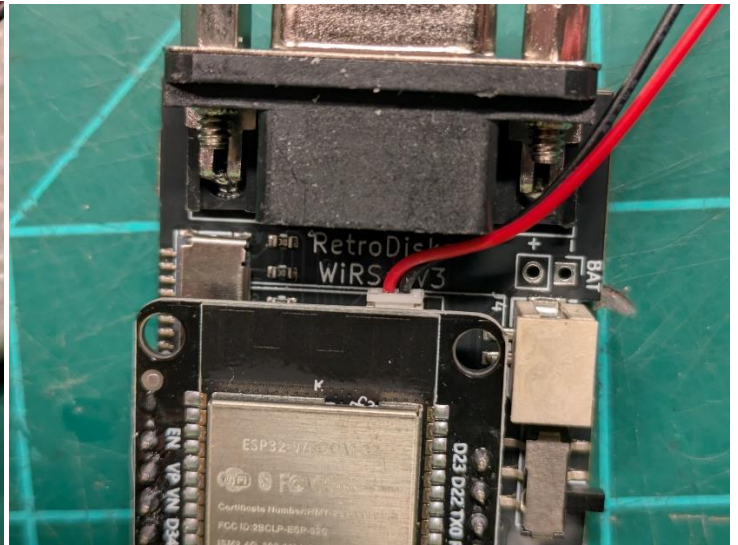
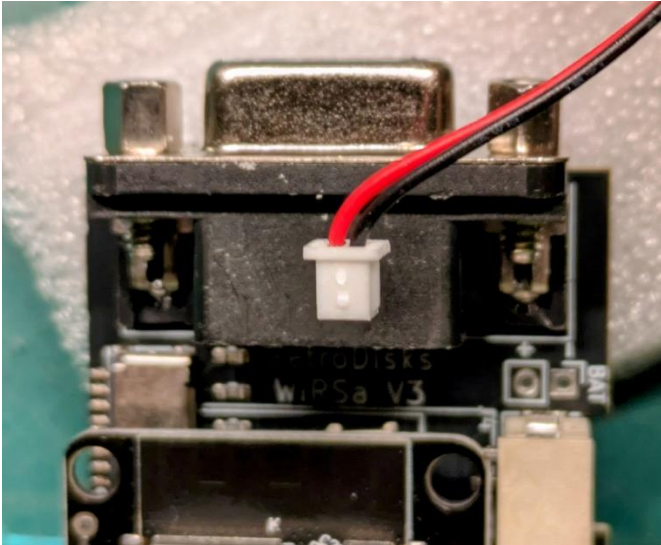
3. Next, insert the DE-9 (DB-9) connector. Getting this inserted can be a pain, so make sure all pins are straight first. Start with the front 4 pins on an angle, and tip it in to work the back 5 pins in. Solder all 9 pins, plus the two stabilizing pins – filling these large holes with solder.



- Next, insert the 4 switches and solder all points from the bottom.



5. This step/page only applies if you have the battery option. Insert the JST cable into the ESP32 board with the red wire on the left, as shown. Trim the wires to just about 1.5" long and strip the ends. Twist the ends and apply a small amount of solder to the wire tips to tin the ends. Then insert the red lead into the + hole, and the black lead into the - hole, and solder both wires in.



6. Then, especially if you plan on using an enclosure, trim the pins on the bottom of the PCB from the DE-9, switches and battery leads.

