

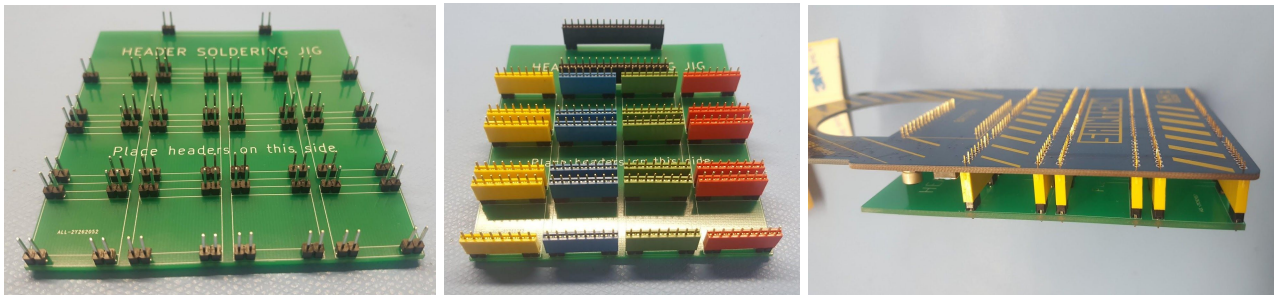
Saintcon 2018

Badge Build Instructions

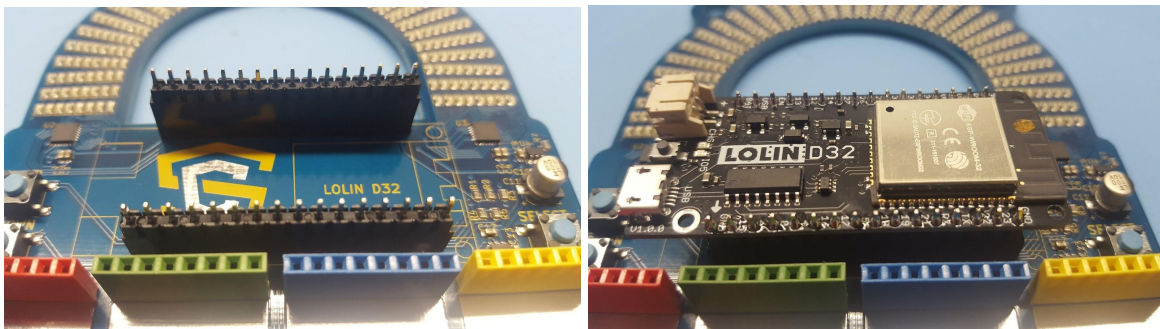
Most of the badge parts have already been soldered for you. The only things you need to solder are the headers for the main controller and the minibadges.

Step 1: Pick your headers. The HHC has 5 colors to choose from, so mix and match to make your badge uniquely yours! Available colors are: Red, Green, Blue, Yellow, and Black.

Step 2: Place headers on the Header Soldering Jig. This jig will hold all the headers straight to make it easier for you to solder your badge. Place your badge face-down on the headers and solder them all.



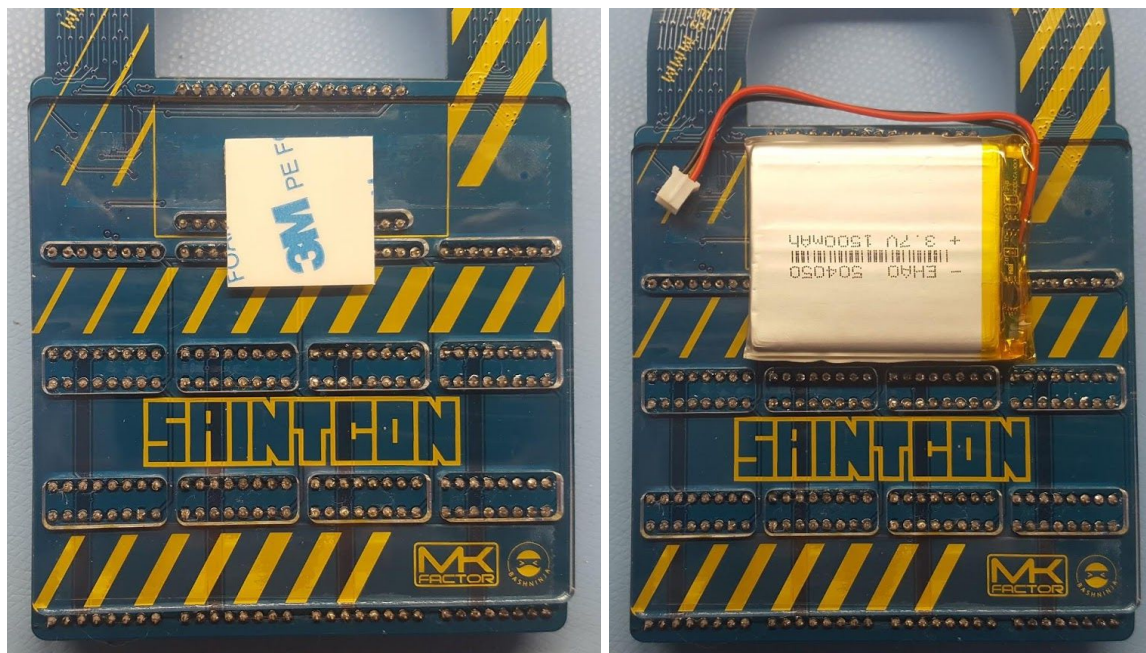
Step 3: Solder the ESP32. The module comes with 2 16pin headers. Plug them into the headers on the front of your board and then put the ESP32 on top. Pay close attention to orientation of the module. There are markings on the badge that you can match up to the module. Solder all the pins on the ESP32.



Step 4: Attach the plastic back plate. Remove the paper covering from both sides of the plastic. Test-fit it on the back of the badge. It can only fit one way, so if it doesn't fit, try flipping it over. Now grab a couple strips of double-sided tape and stick the plastic sheet to the back of the badge.



Step 5: Mount the battery. Using the sticky pad in your kit, attach the battery to the back of the badge, making sure the connector comes out the top-right corner of the battery.



Step 6: Connect the battery. If all went well, your badge should light up! If it doesn't, there are lots of talented staff members at the HHC that can help you out.