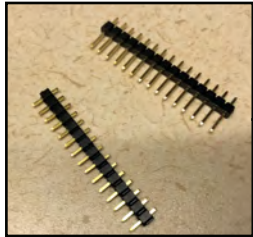




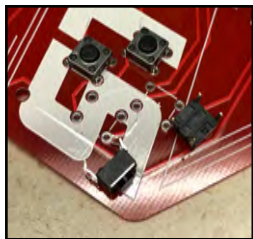
# BADGE KIT INSTRUCTIONS



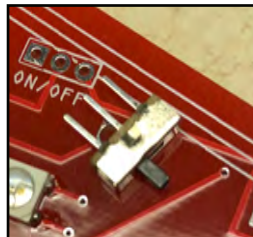
[OPTIONAL] Cut long side of pin headers to 1/8 inch. This makes for a much cleaner presentation on the front of the badge.



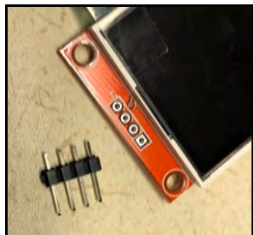
Solder Arduino Nano to the back of the badge with the mini USB towards the top of the badge. The short side of the pin headers should go towards the badge and the long side toward the Arduino.



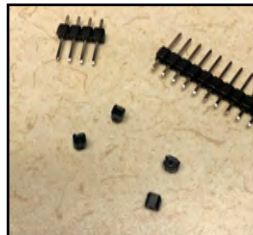
Solder buttons to front of badge. All buttons only fit with the correct orientation. Be careful not to force buttons, it is easy to bend pins.



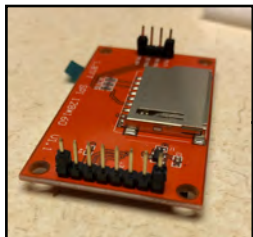
Solder on switch, orientation does not matter.



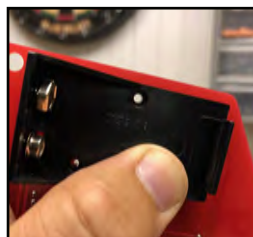
Solder four pin header to bottom of display, short pins toward the display.



[OPTIONAL] Pill pins from scrap pin headers and break off four individual sections. Use Sections as spacers to create a larger space between badge and screen.



Solder screen to badge. If spacers are not used, allow enough space for SD card to be inserted accounting for Arduino pins sticking through.



Using an M2 nylon screw, attach the 9V battery cradle to the back of the badge using the middle screw hole. Once attached solder the positive and negative pins to the badge [be sure use sufficient solder].

Once assembled download everything from <https://github.com/syn-ack-zack/614Con-Badge>, use the Arduino IDE to get your code on the Arduino and copy the bitmap [.bmp files] images to your SD card.