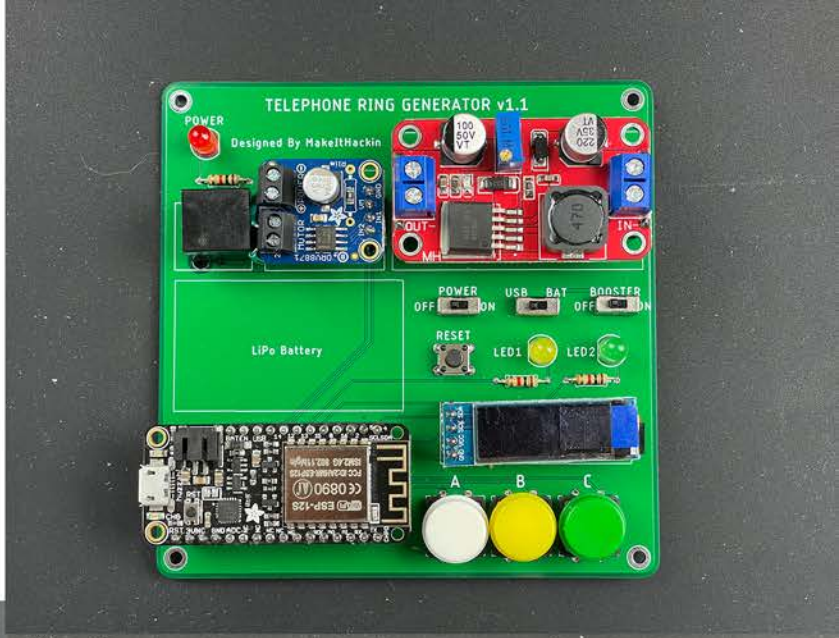
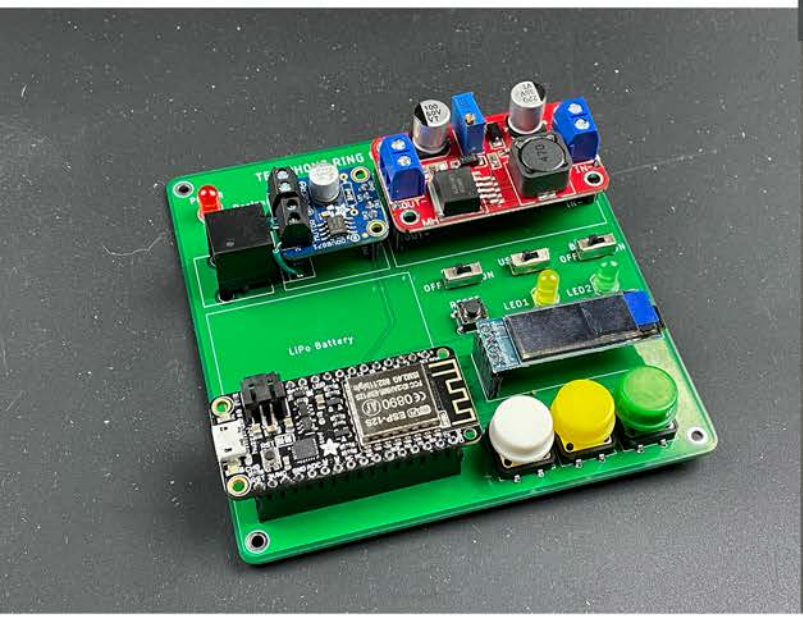
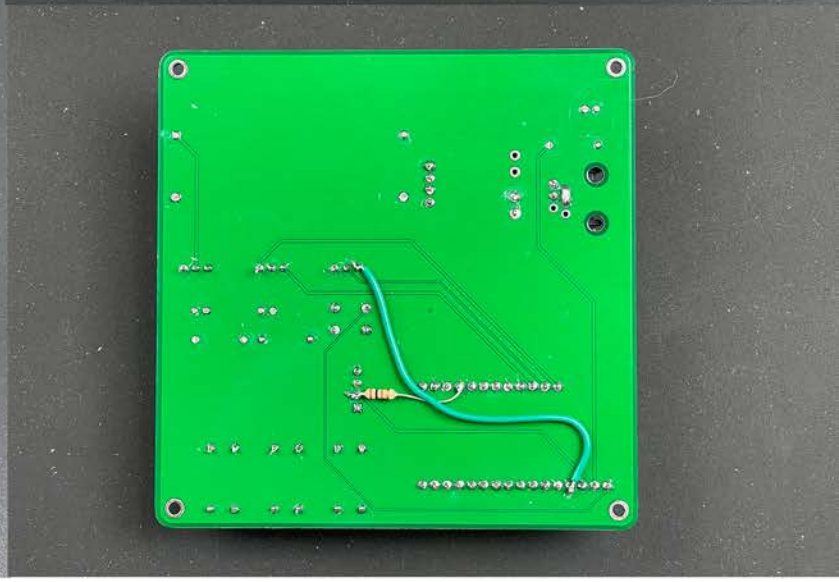
Telephone Rigner v1.1 Notes







Ground was not connected on Feather Footprint, so after soldering Feather (or headers), use a wire and solder to the GND pin on the feather (4th from the right as shown) and connect it to any other Ground point on the board. (fixed in v1.2)

If your Feather does not have pull-up resistors on the appropriate button pins, you'll need to solder one between that pin and VCC (fixed in v1.2)

If you don't want to "commit" the modules to the PCB, use Female Headers as shown for the components. That way, you can swap them out later!

Photo of board bottom shows solder bridging on RJ-11 jack. This was intentional because a different jack was used than antipated. If you received a board, you should have the correct jack and no solder bridging is required.

XL6019 Board requires you to adjust the output voltage with the potentiometer. Test with a multimeter to see output. You should be able to get around 40VDC from when power is coming from the USB port.

POWER ON/OFF button only commands the Feather. It does not turn off power to the XL6019.
USB/BAT selects either the USB or BAT power to send to the XL6019.
BOOSTER ON/OFF disconnects the USB/BAT power from entering the XL6019.
RESET is connected to RST pin of the Feather

Schematics PCB files for v1.2 are on github and the PCB will be released in March 2022