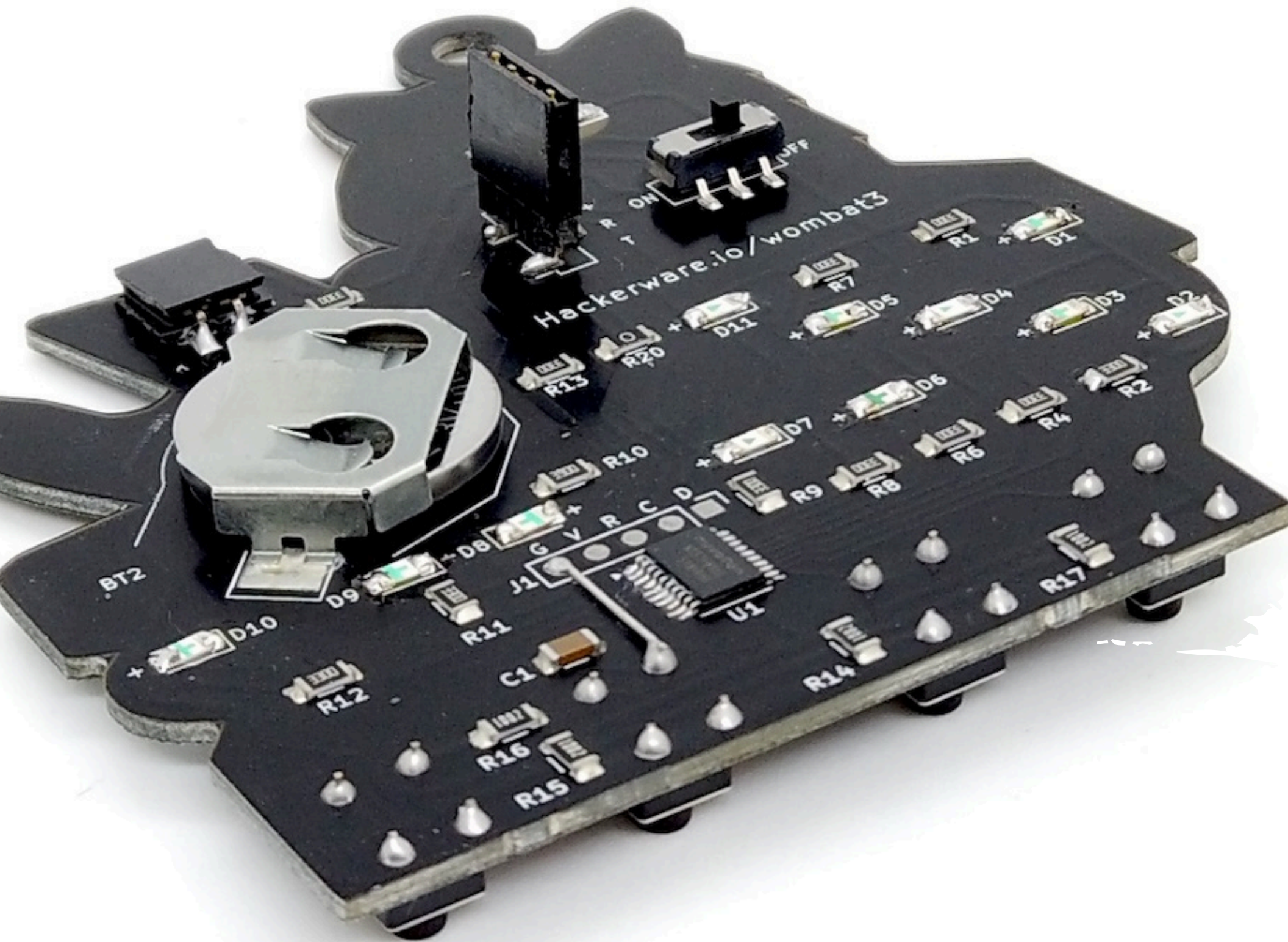




BSIDES ADELAIDE WOMBAT3 BADGE
Soldering Tutorial

TAKE A GLANCE



The badge comes pre-soldered with most of the components like the microcontroller, capacitors, switch etc.

The only component you need to solder is 1206 Surface Mount SMD LEDs.

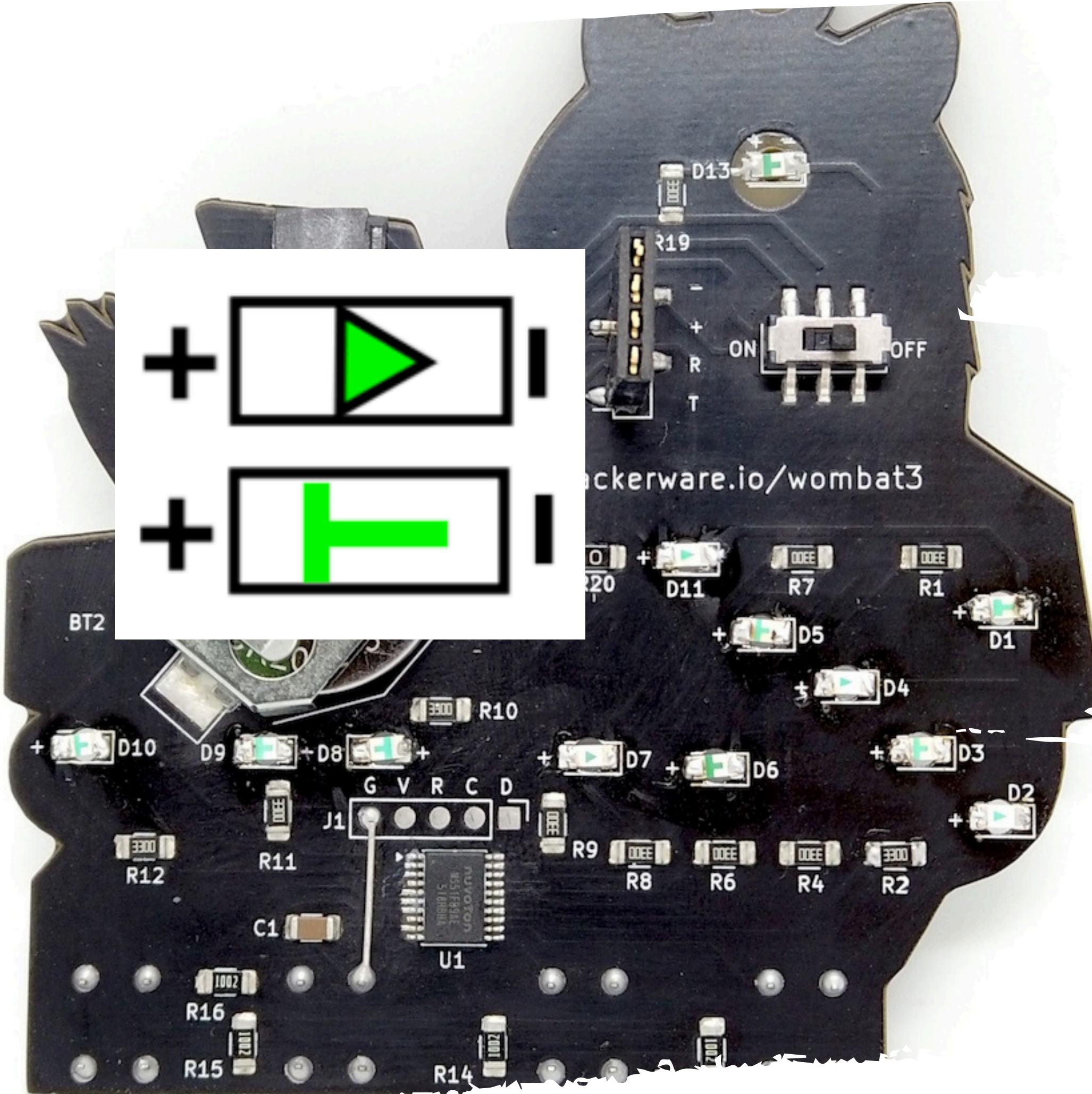
In 3 simple steps, anyone can solder these minuscule LEDs easily.

LED POSITIONS

All LEDs are to be soldered upside down in their designated spots.

Pay attention to the polarity - the positive and negative terminals of the LED being placed in the correct direction on the pad.

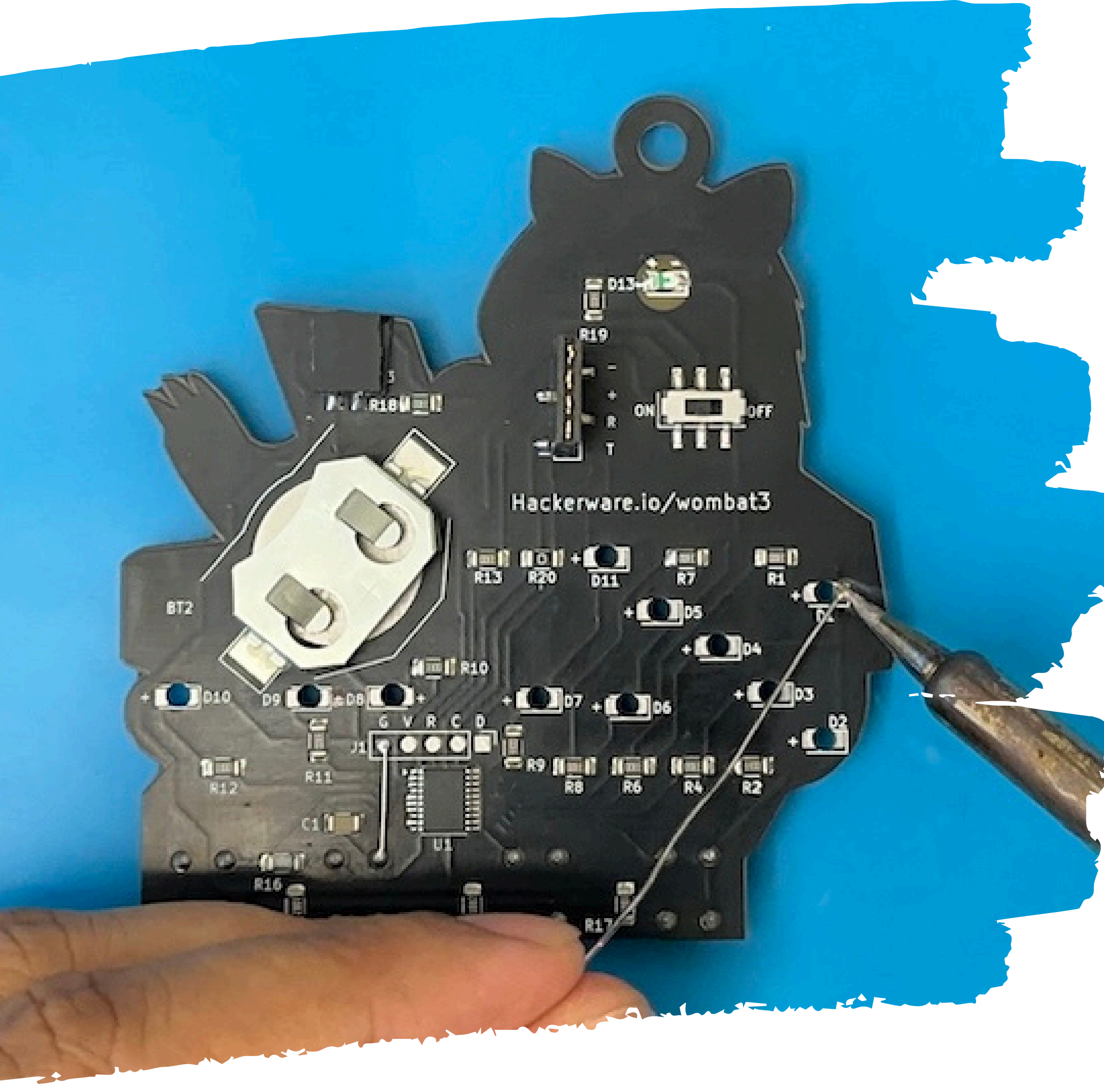
Point the green arrow on the LEDs towards the negative sign as denoted on the PCB.



SOLDER ONE PAD

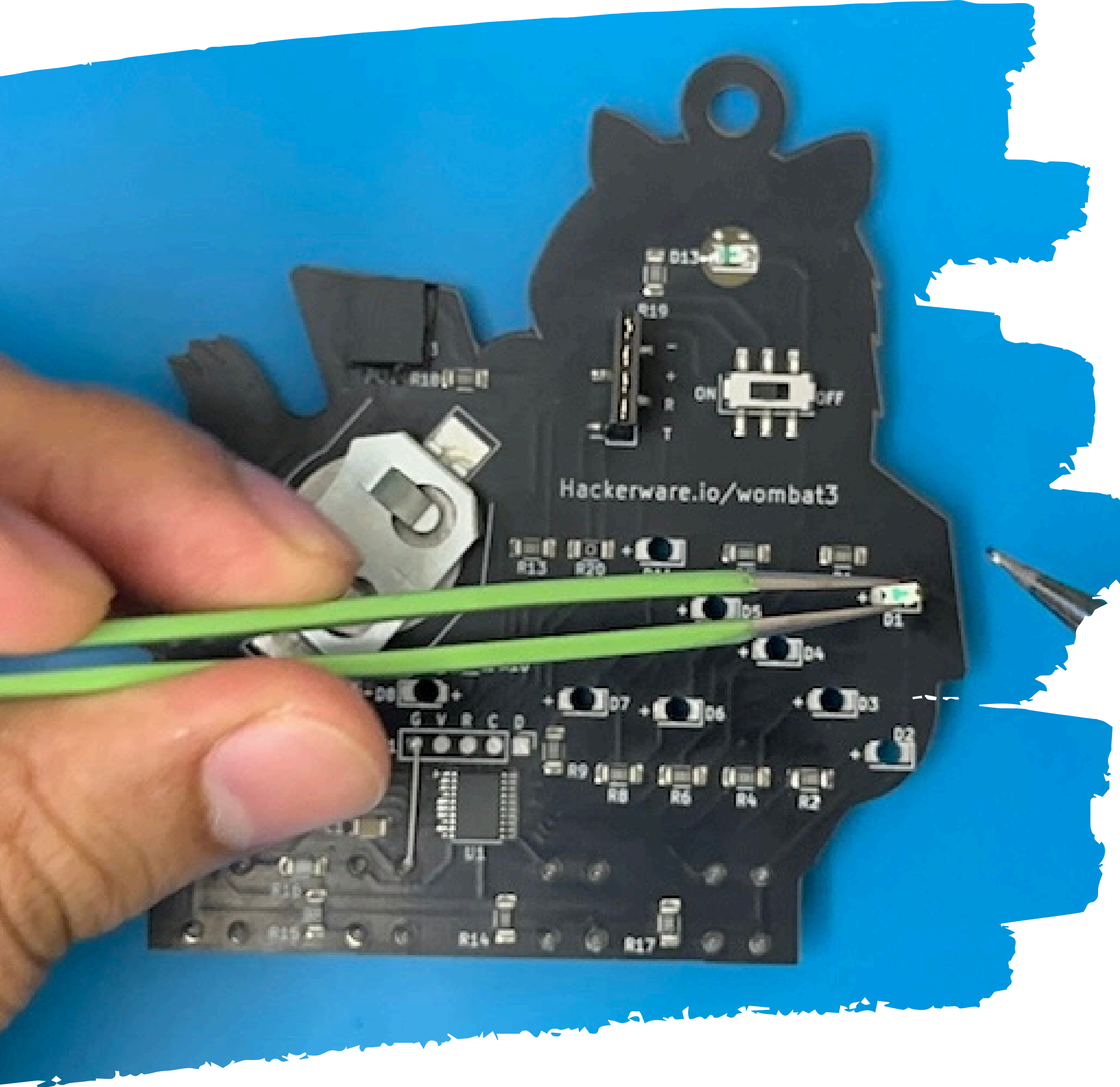
Hold the tip of the soldering iron on one side of the pad and gently apply the soldering wire.

Once the melted solder gets firm, lift the soldering iron, and it's done.



PLACE THE LEDS

After identifying the correct polarity and orientation, place the LEDs in the drilled hole.

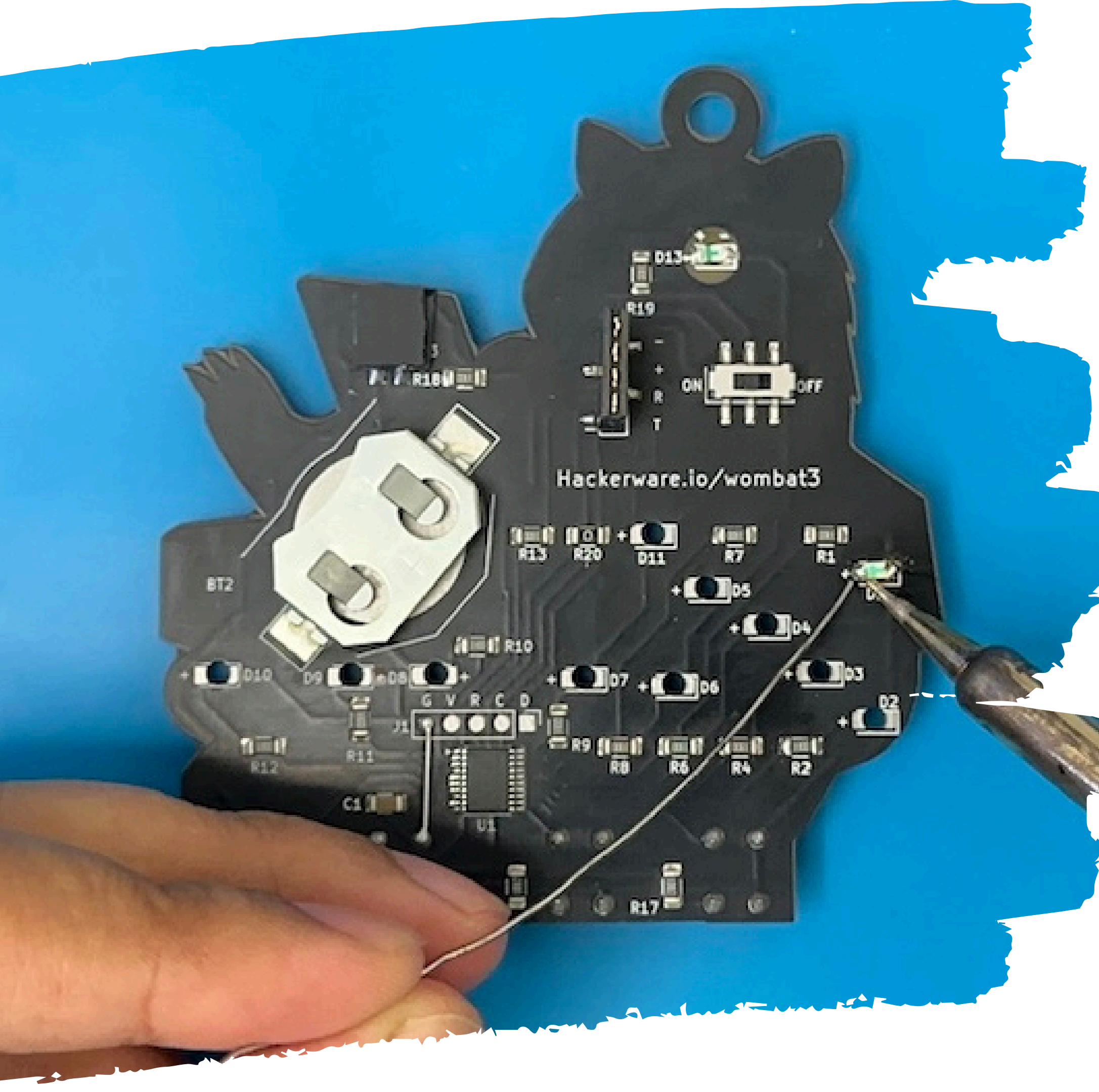


SOLDER OTHER PAD

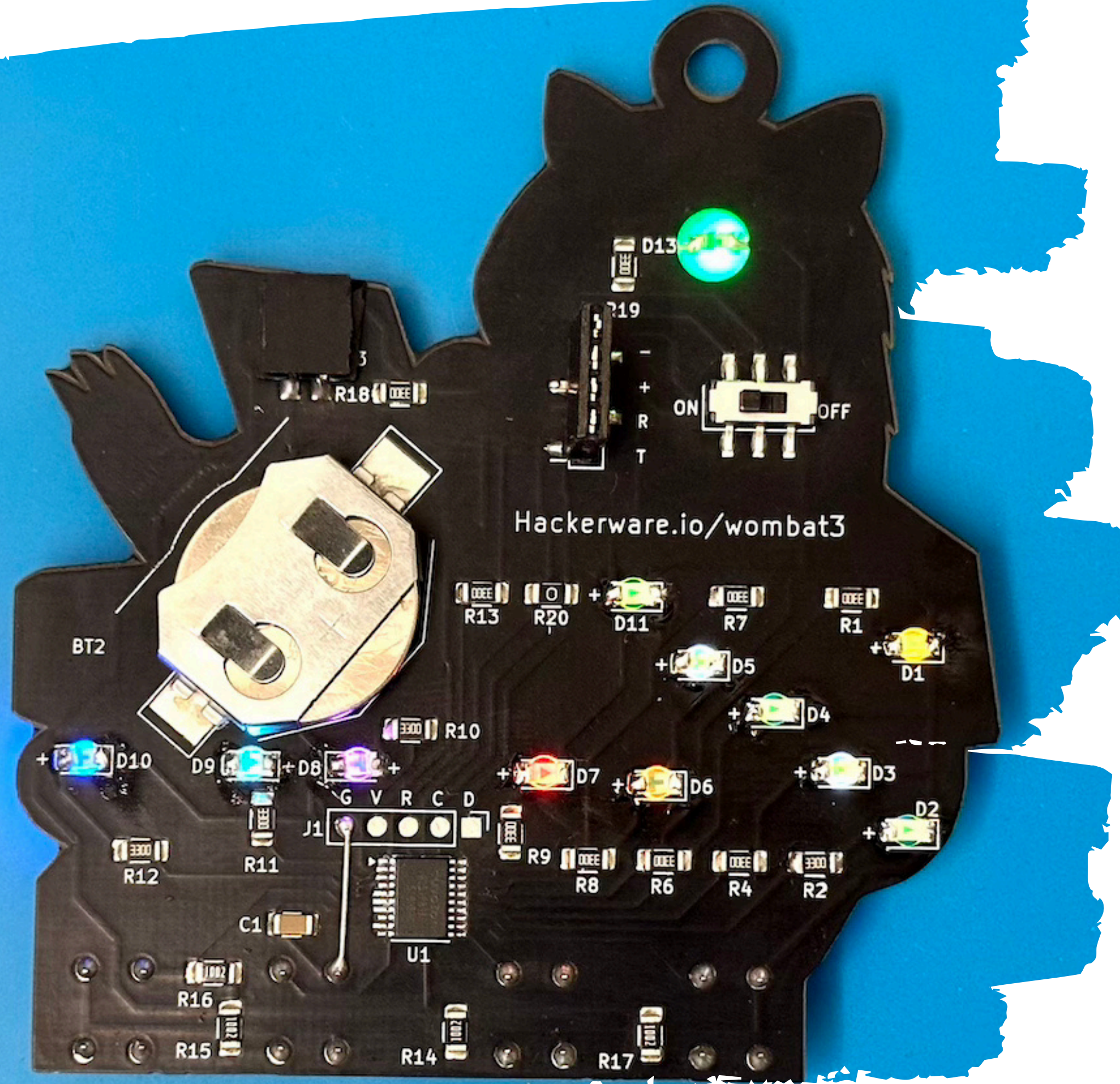
Hold the tip of the soldering iron on the other end of the pad and gently apply the soldering wire.

Once the melted solder gets firm, lift the iron, and it's done.

Then repeat the same for all the other LEDs.



IT IS READY!



Insert the coin cell to turn on the switch to see a sneak preview for 3 seconds.

Play and solve CTF challenges to unlock and glow all the LEDs.

Happy Hacking!

TROUBLESHOOTING

Refer to the tracks and component placement for troubleshooting.

