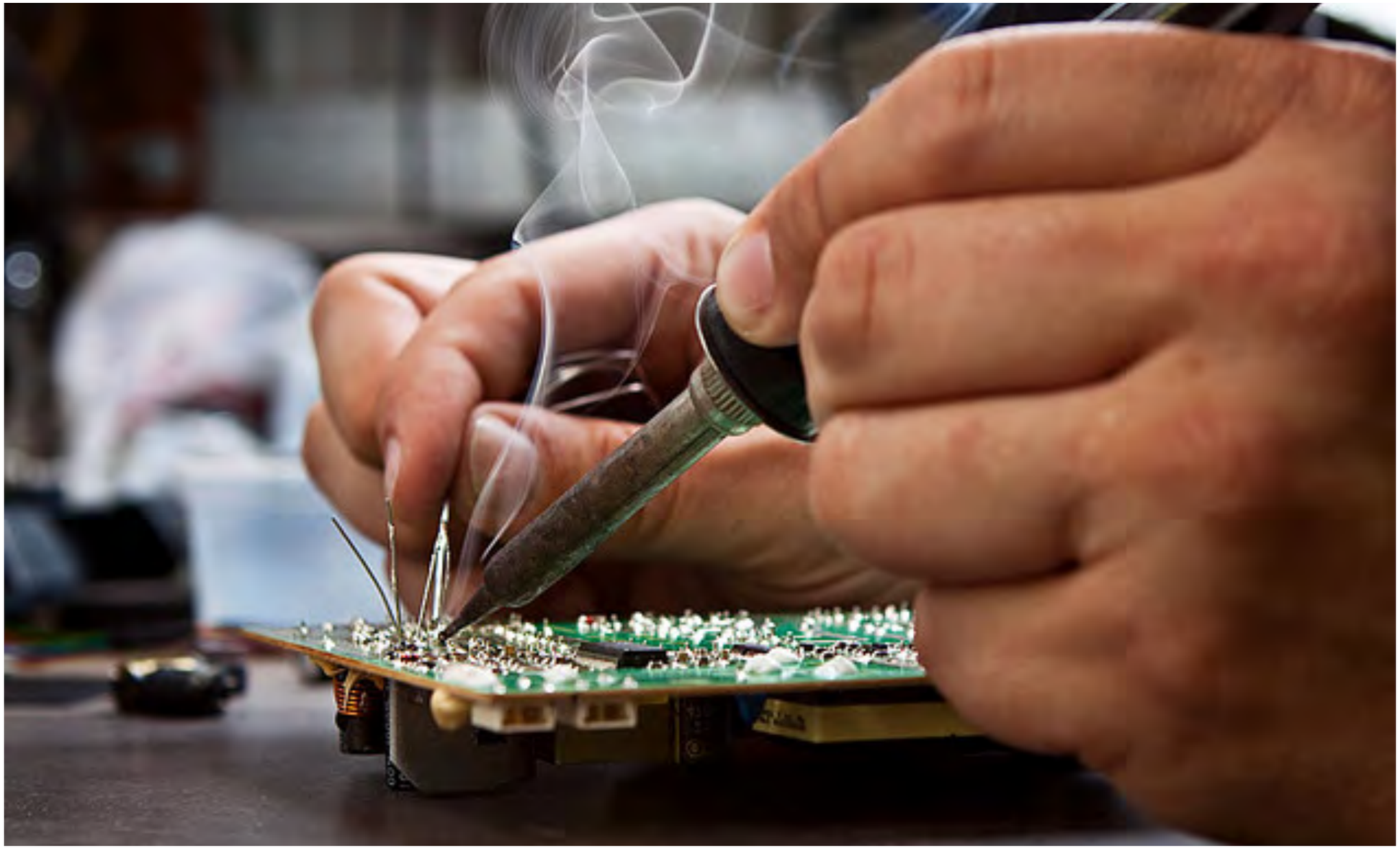
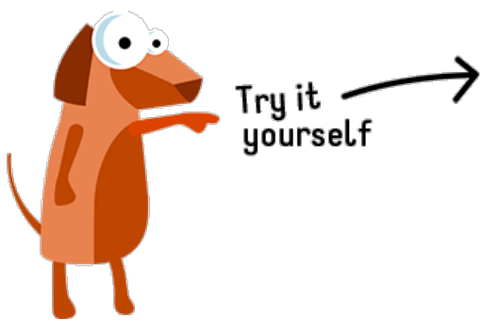


Let’s get Soldering



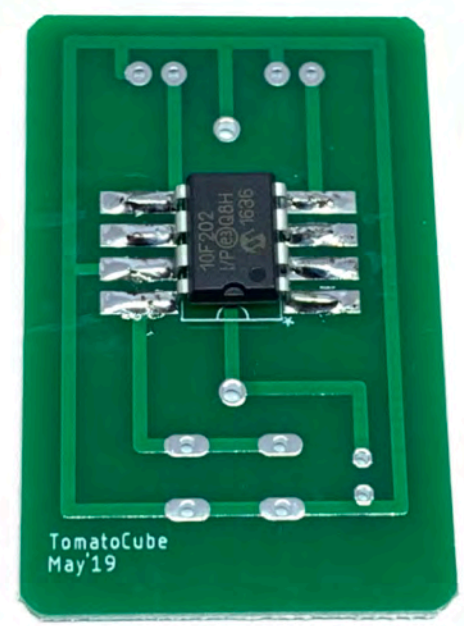
Multipurpose LED flasher Board.

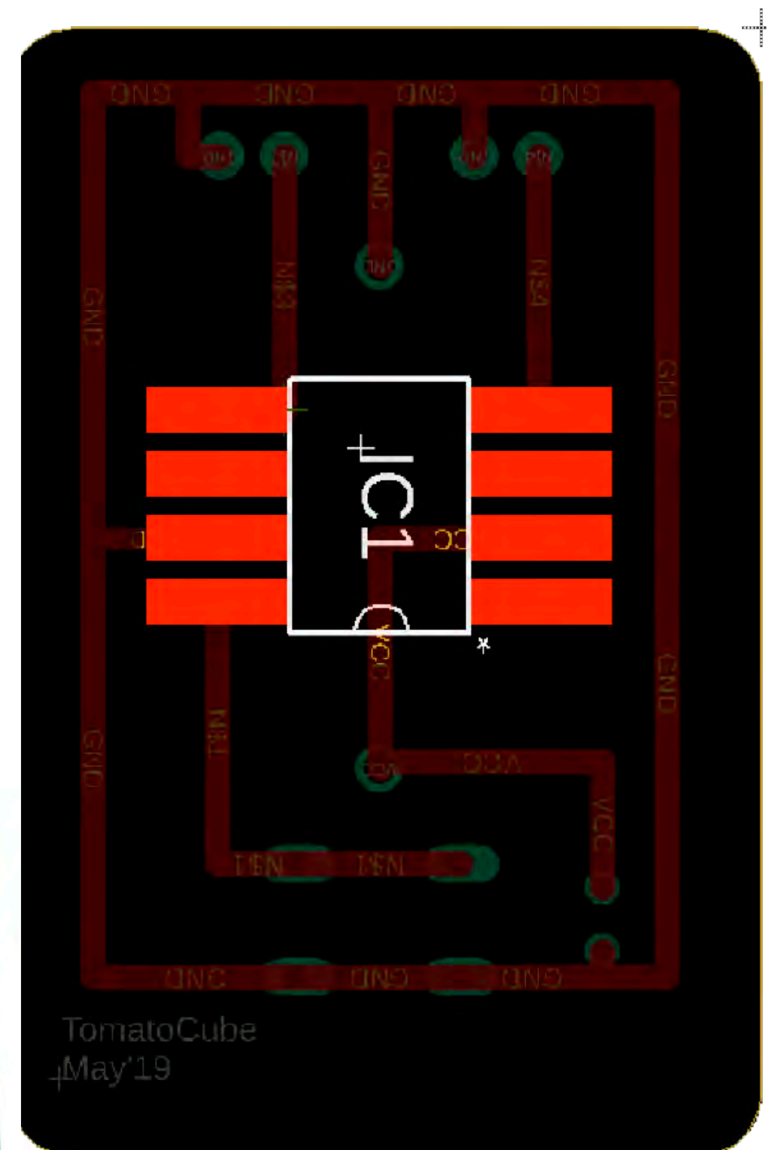
Step #1

Start-off with the
“**Shortest**”components
on the board.

IC chip

Pre-programmed
PIC10 microcontroller

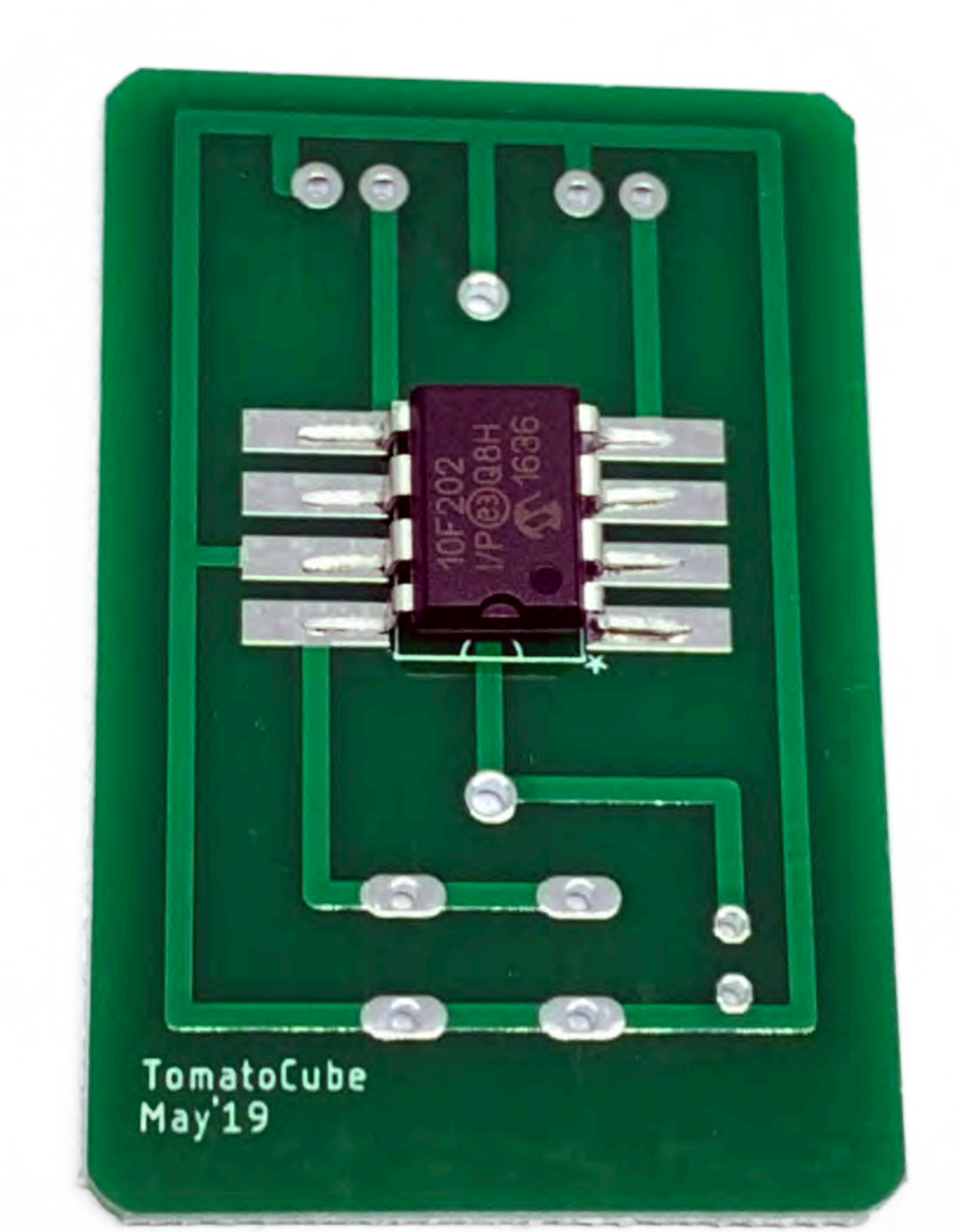




Step #1(a)

We are going to create a Pseudo-SMD IC using a DIL IC package.

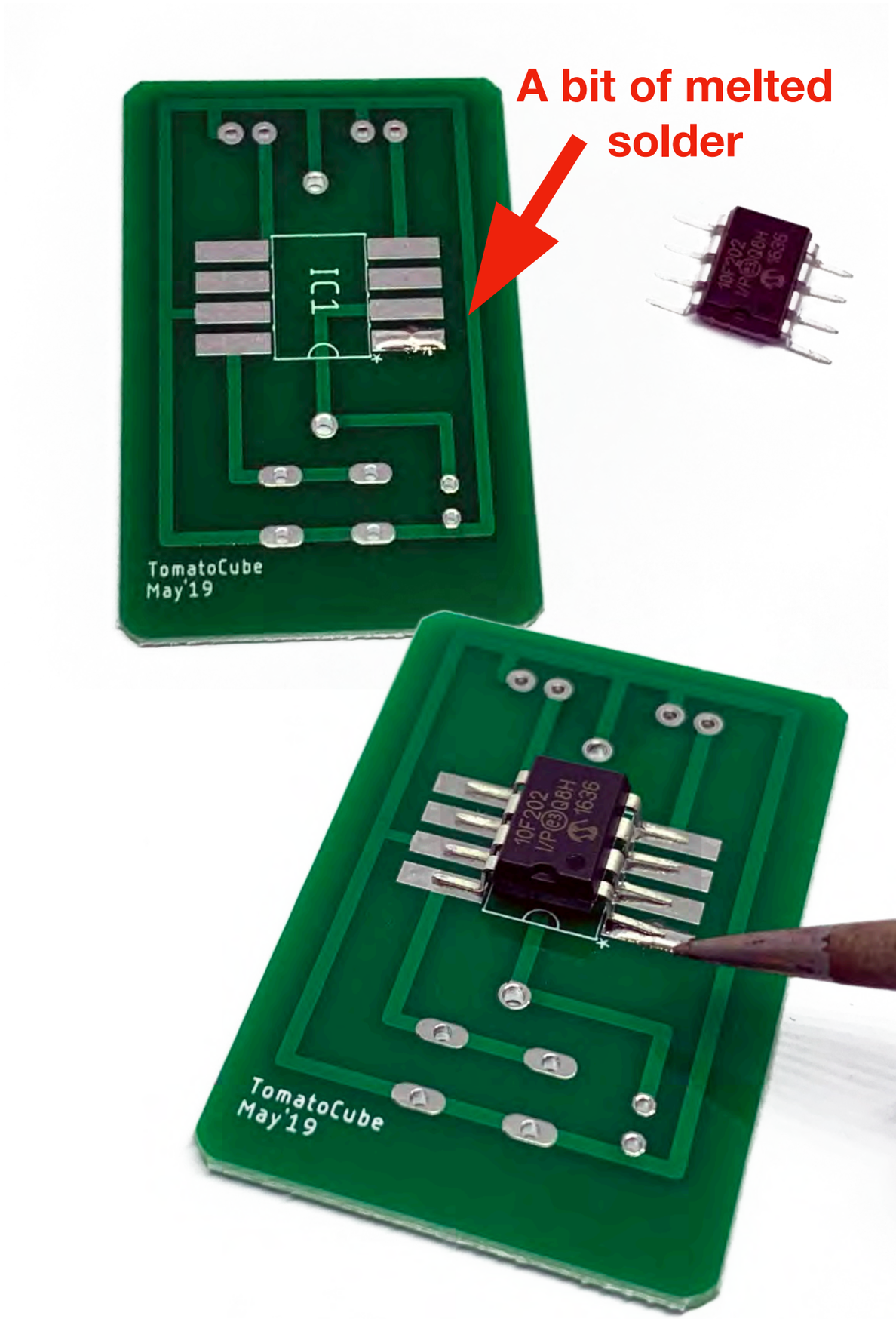
Flatten the IC’s pins.

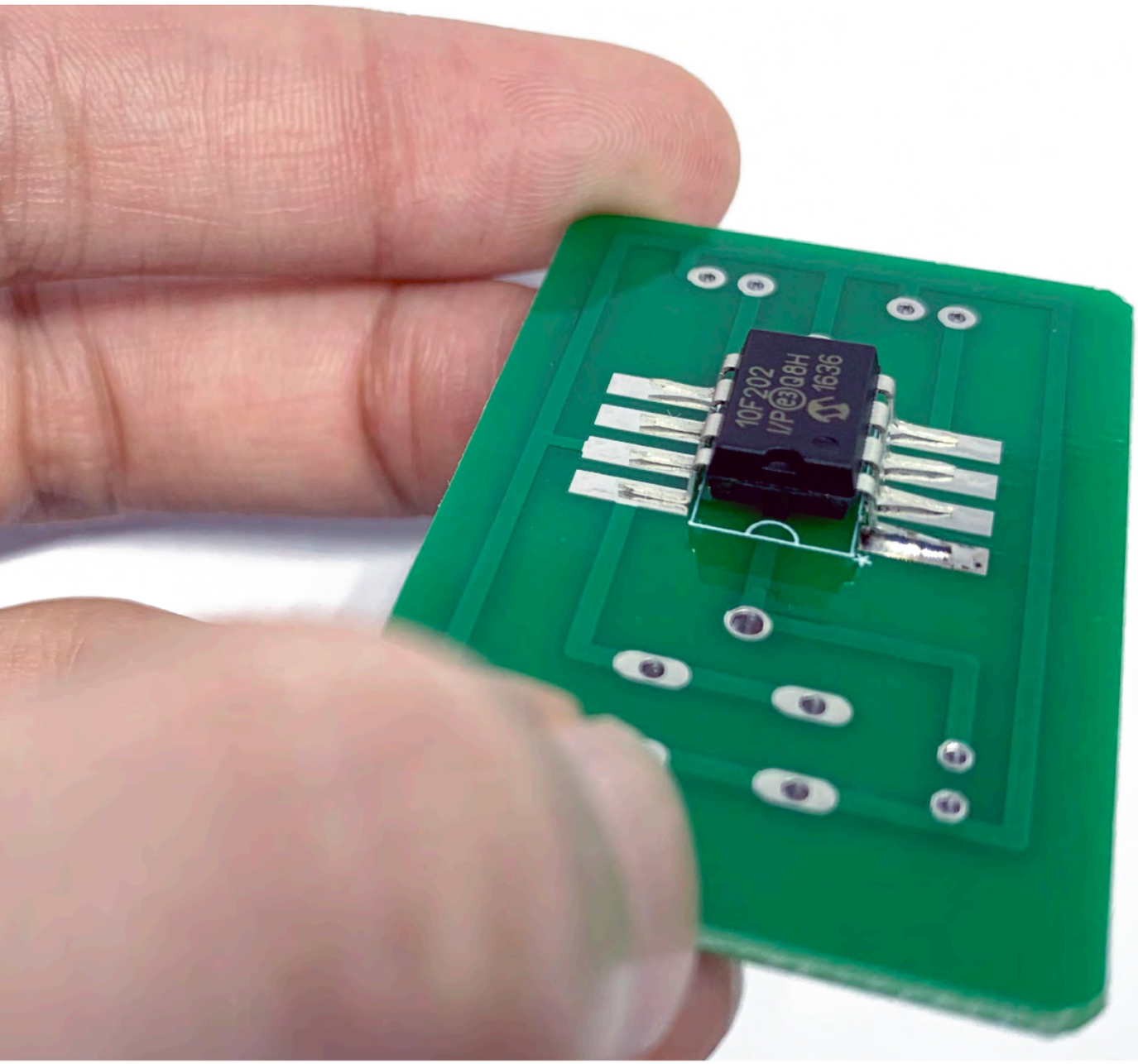


Step #1(b)

Apply a bit of solder onto **one** of the IC solder pad.

Adhere the IC in its place.

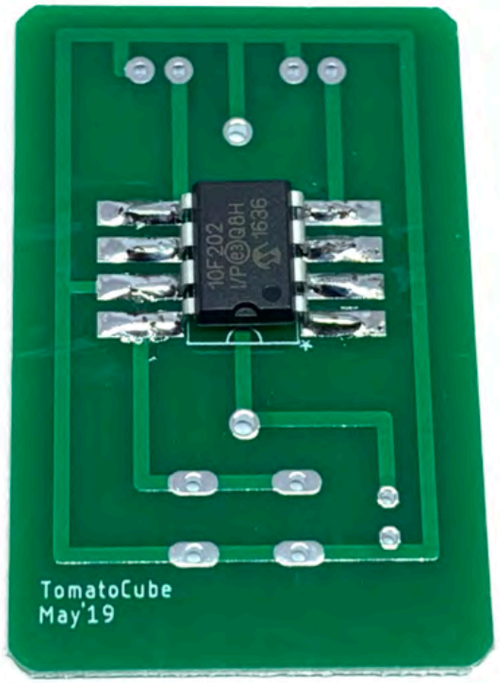


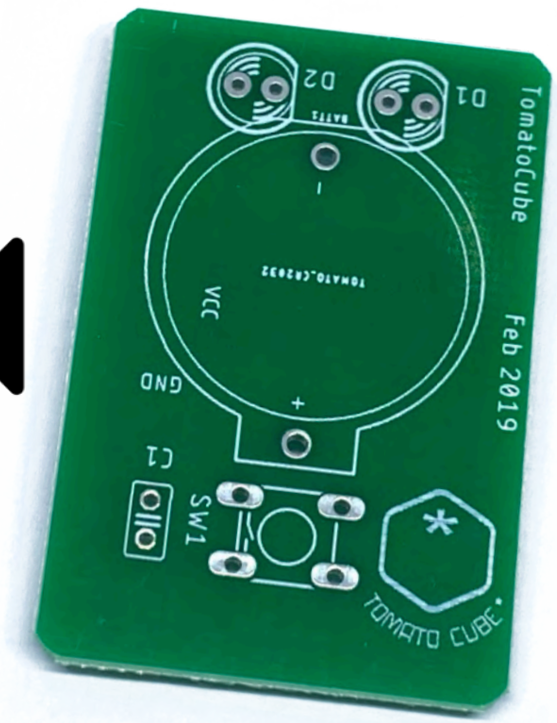


Step #1(c)

Carefully check that all the pins of the IC (8 of them) are aligned with their respective pads.

If it seems to be shorted, you can simply melt the solder & try again.

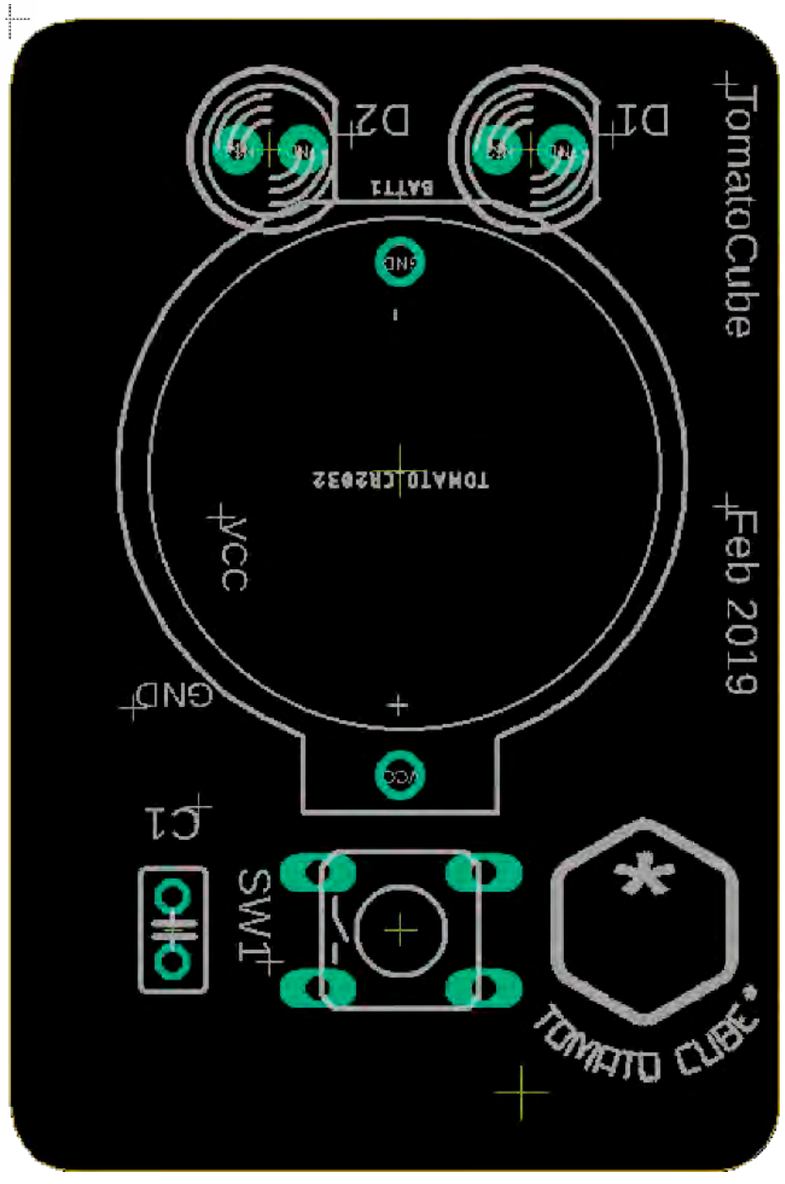




Step #2

Once the soldering on the Pseudo-SMD IC has been completed.

Flip the Board over!

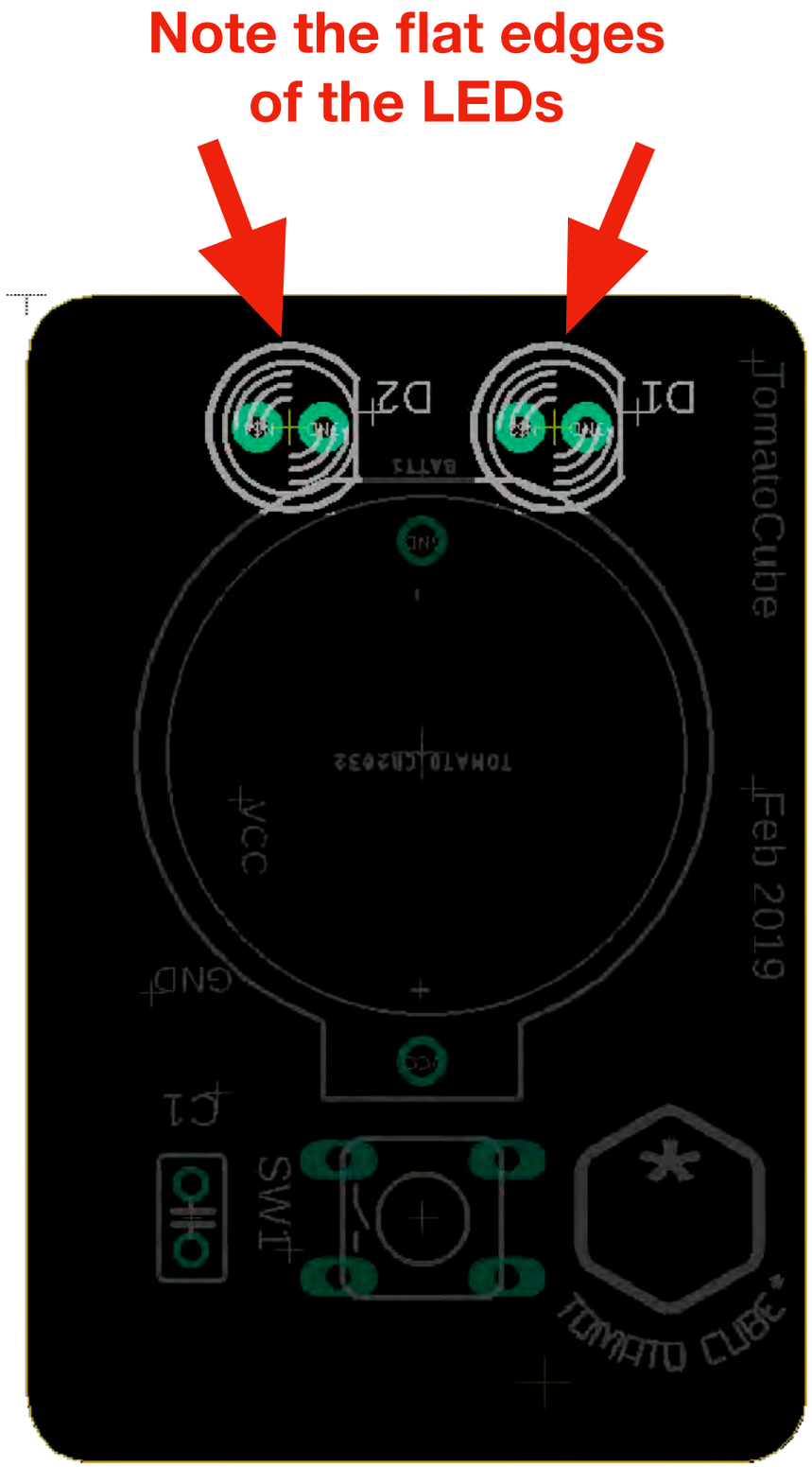


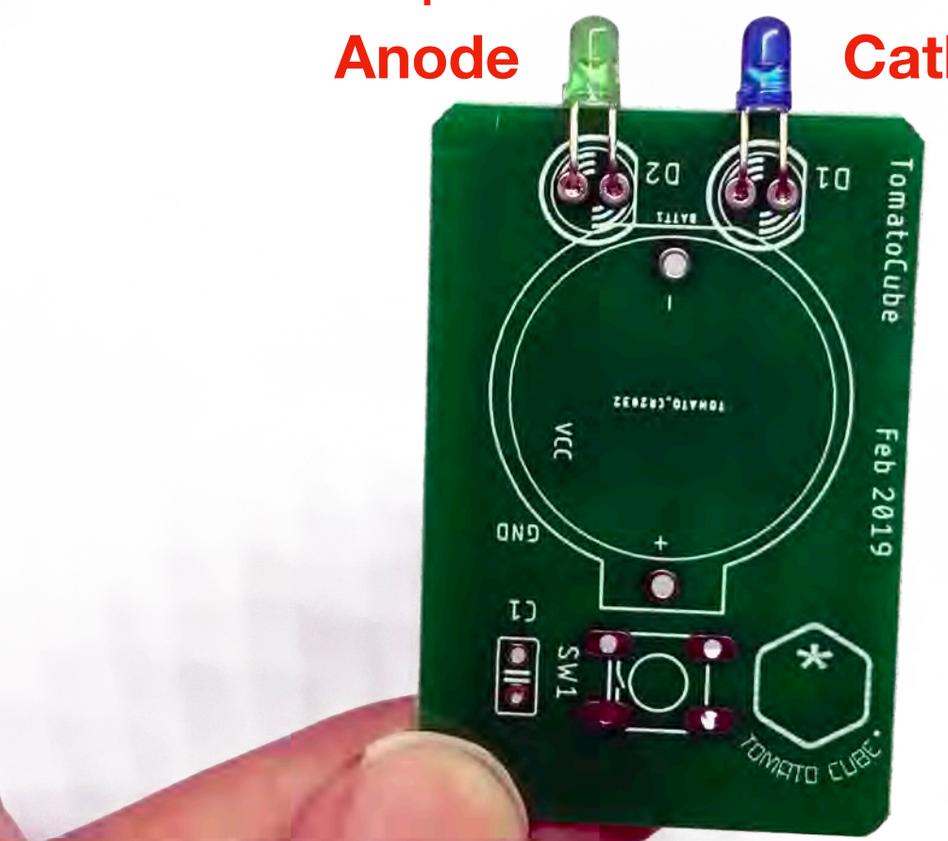
Step #3

LEDs

- 2 units

Take note of the **flat** edges of the LEDs drawn on the Silk-screen.

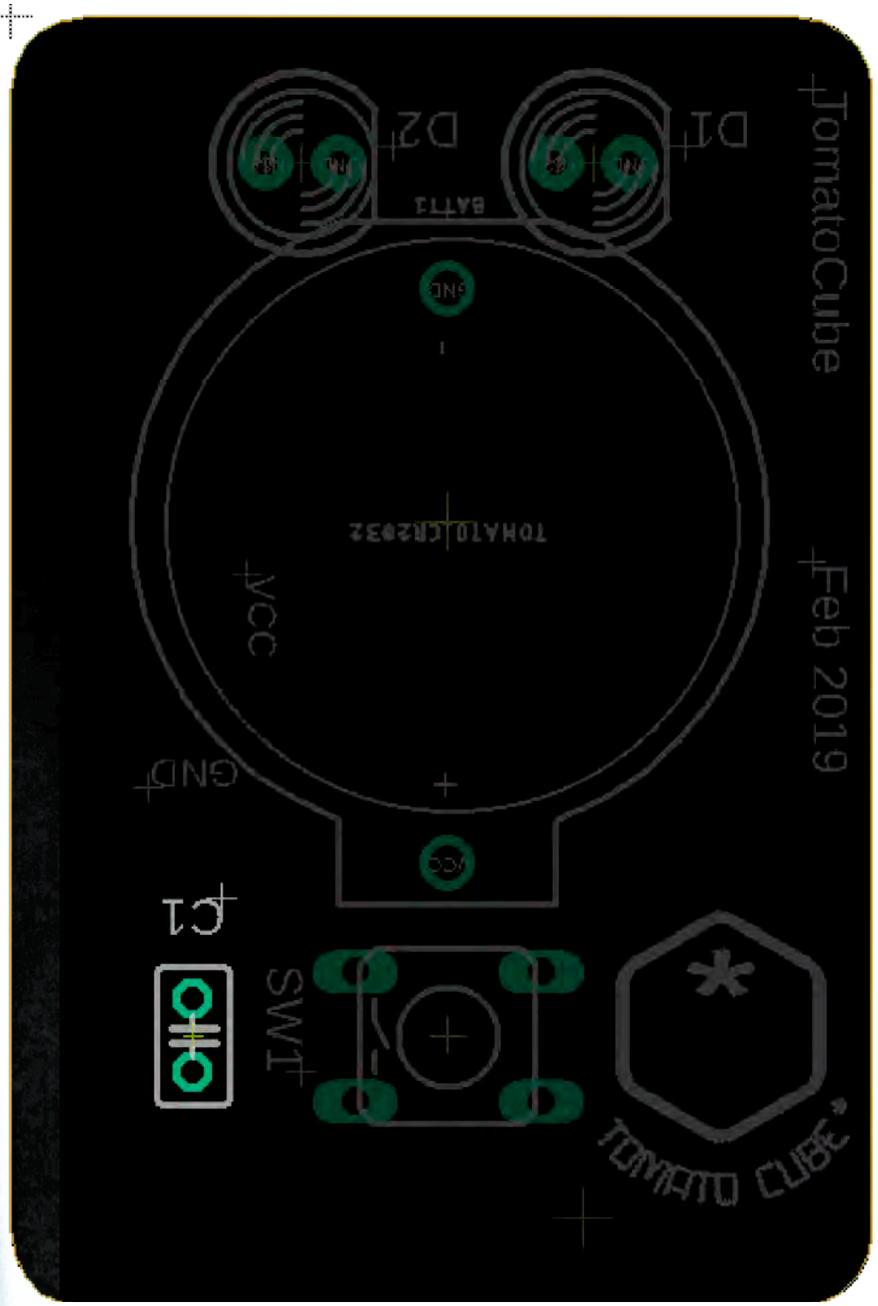


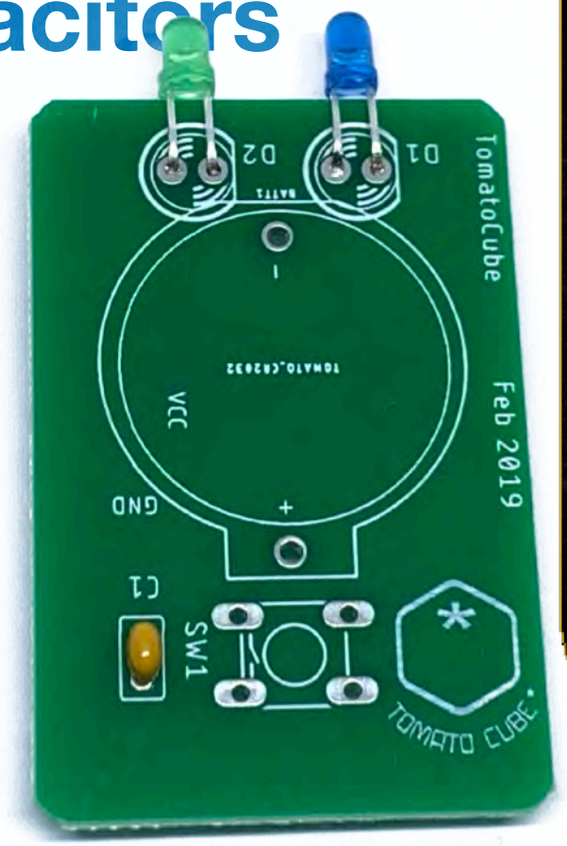


Step #4

Ceramic Capacitors

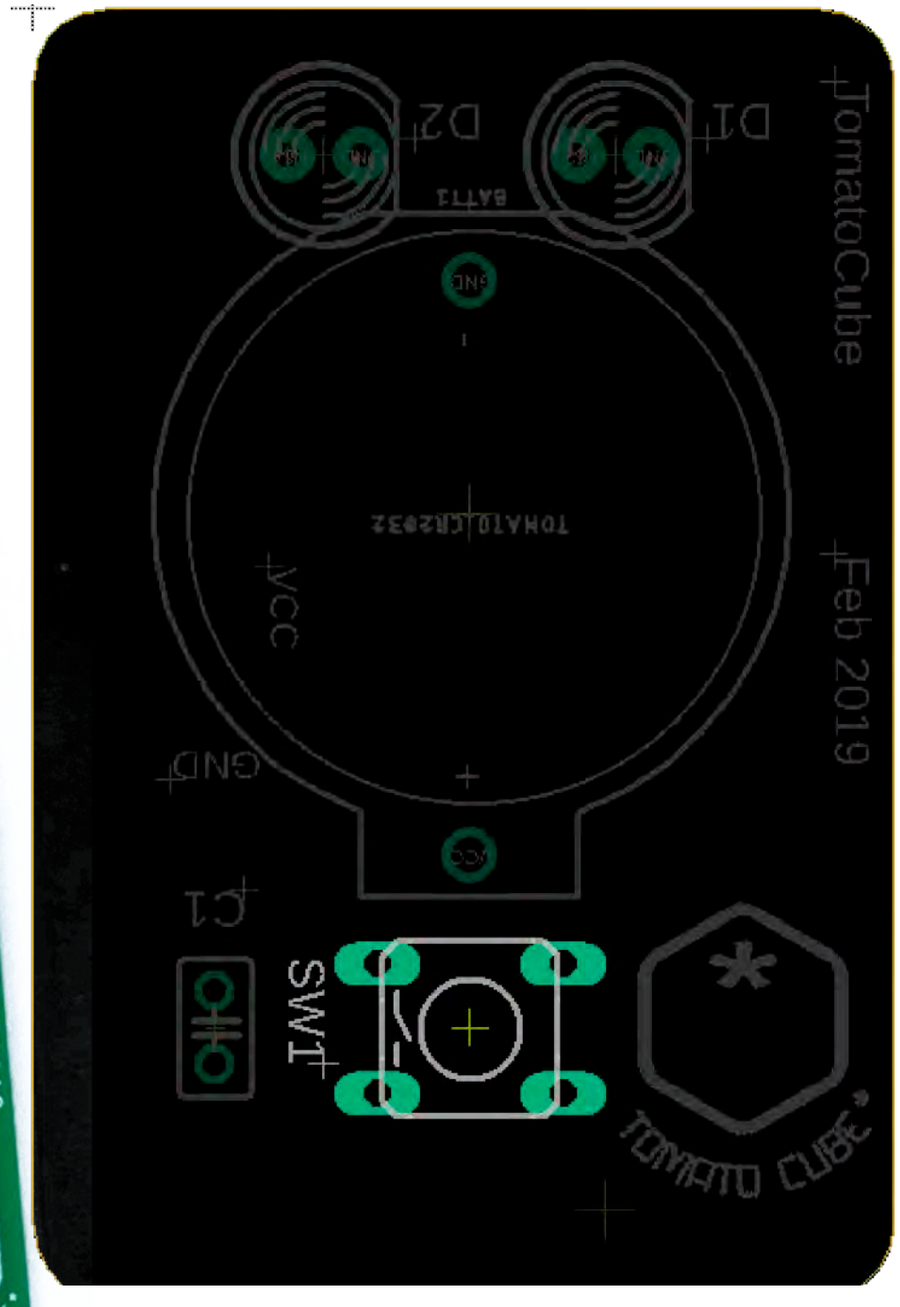
0.1 uF





Step #5

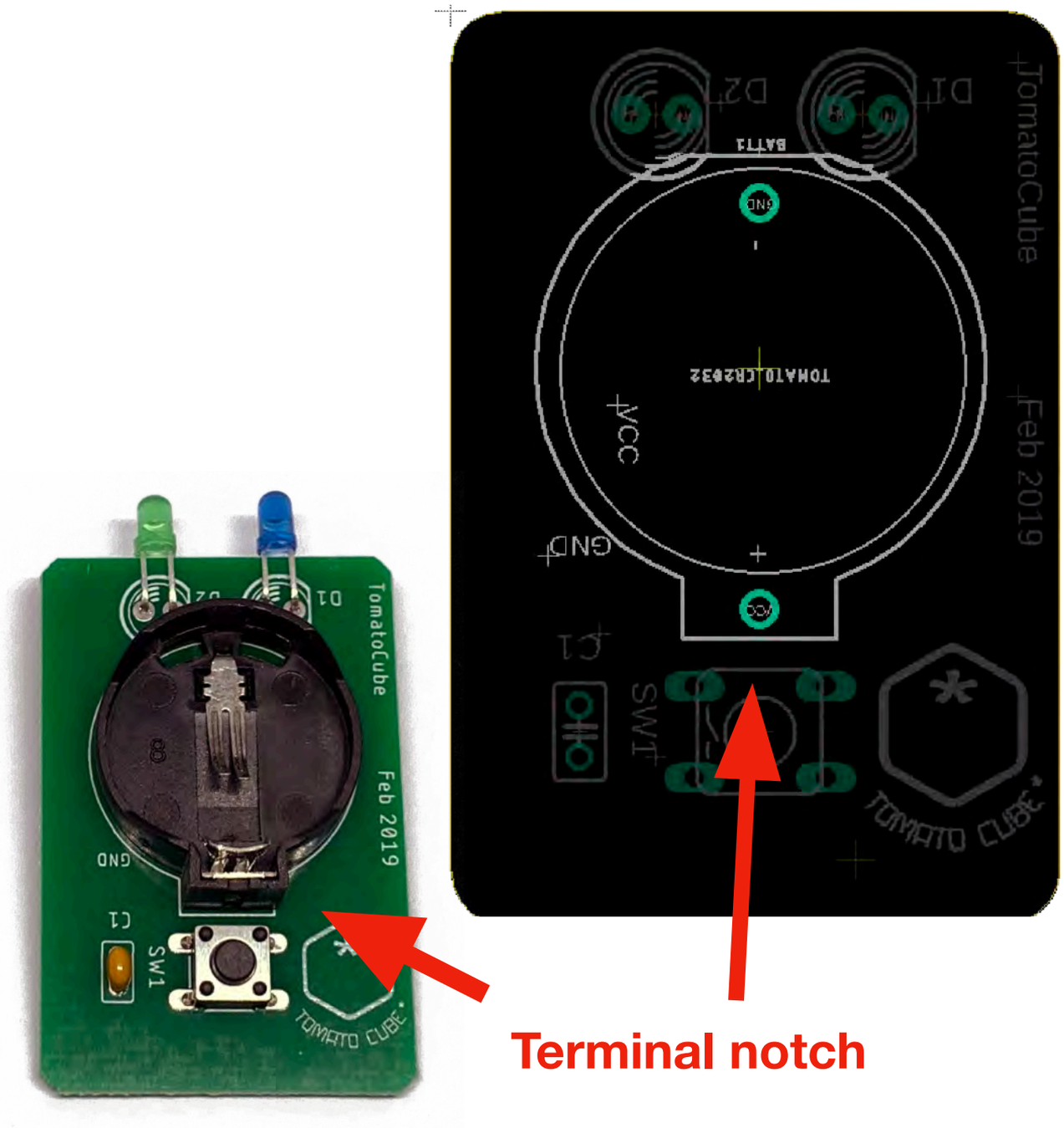
Tactile Switch



Step #6

CR2032 Battery Clip Holder

Make sure the outline of the Battery clip holder aligns with the symbol drawn on the PCB's silkscreen.



Insert a coin cell battery into the finished PCB circuit

The micro-controller used with the circuit has been Pre-programmed with few flashing modes.

Do try them all out !