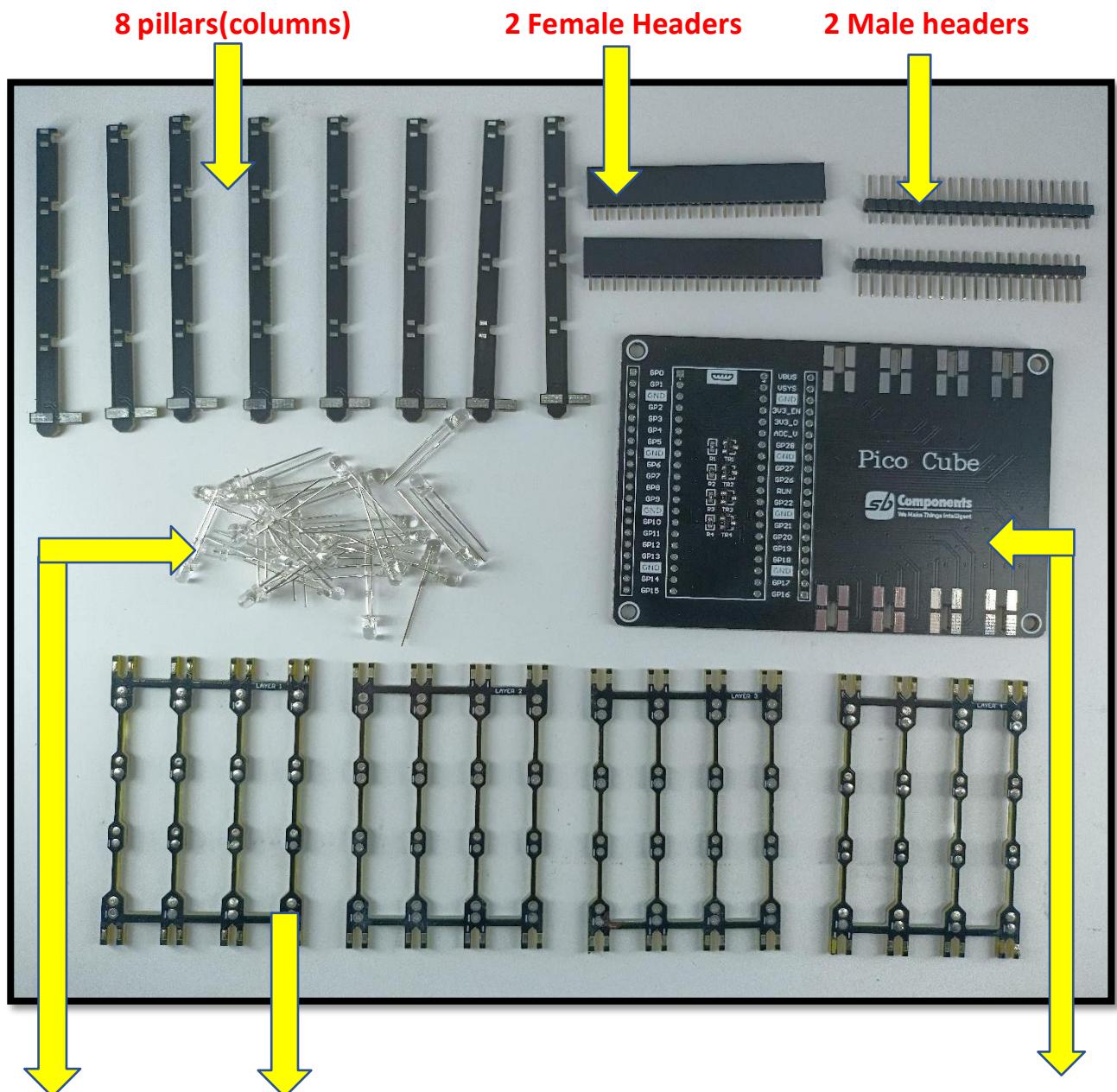


Pico: Cube Solder Manual

1. Parts of the DIY kit



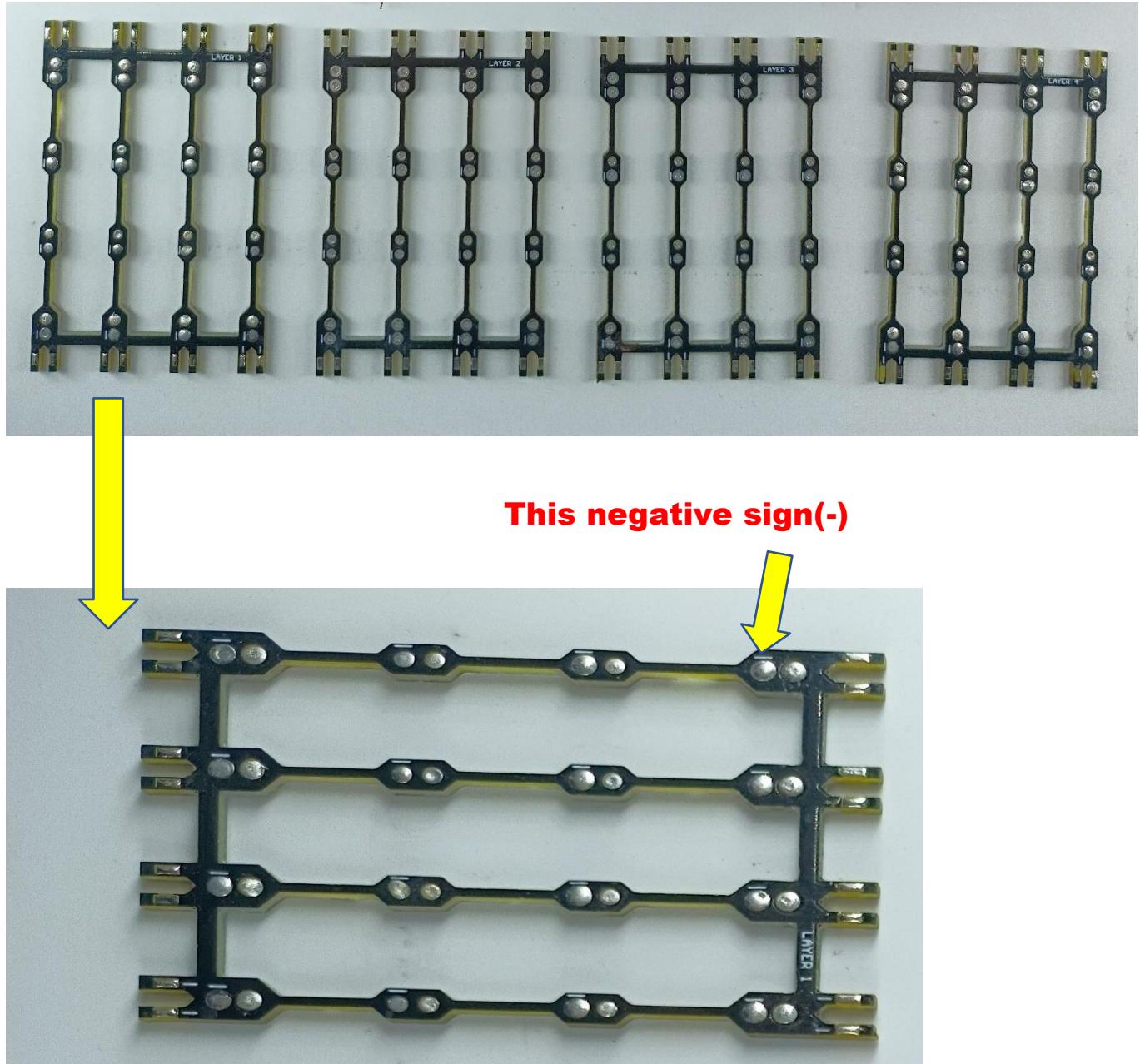
**LED
(64)**

4 Layers(1,2,3,4)

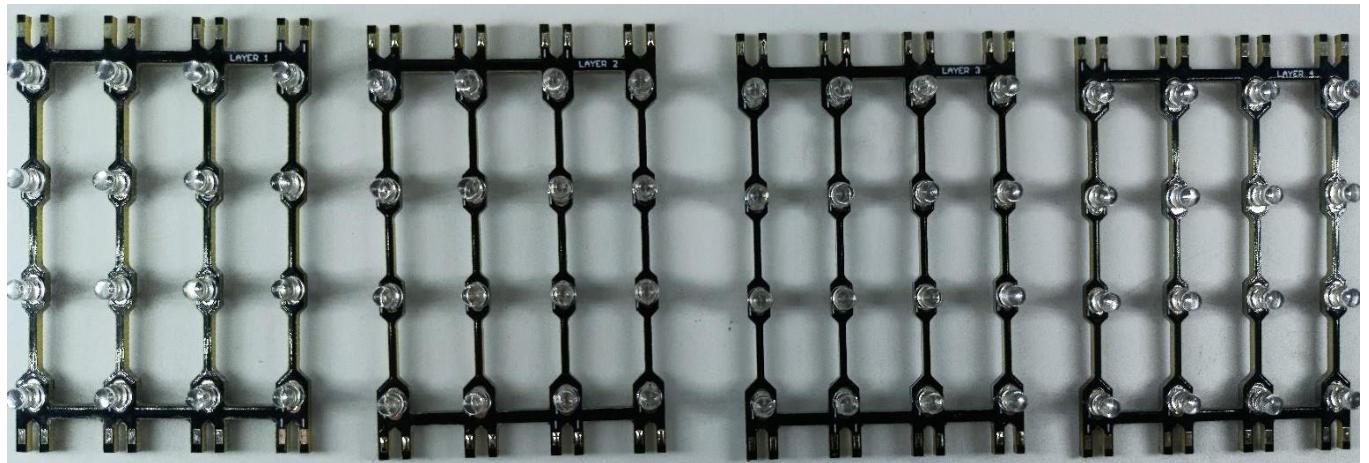
**PCB for mounting the
Pico and the whole cube**

2 . Step by step Solder and Assembly

2.1- Solder all the LEDs with their respective slots, of the 4 layers, make sure the negative terminal of the LED (short leg) is solder with negative terminal of the layers [in layers you see the negative sign (-)]

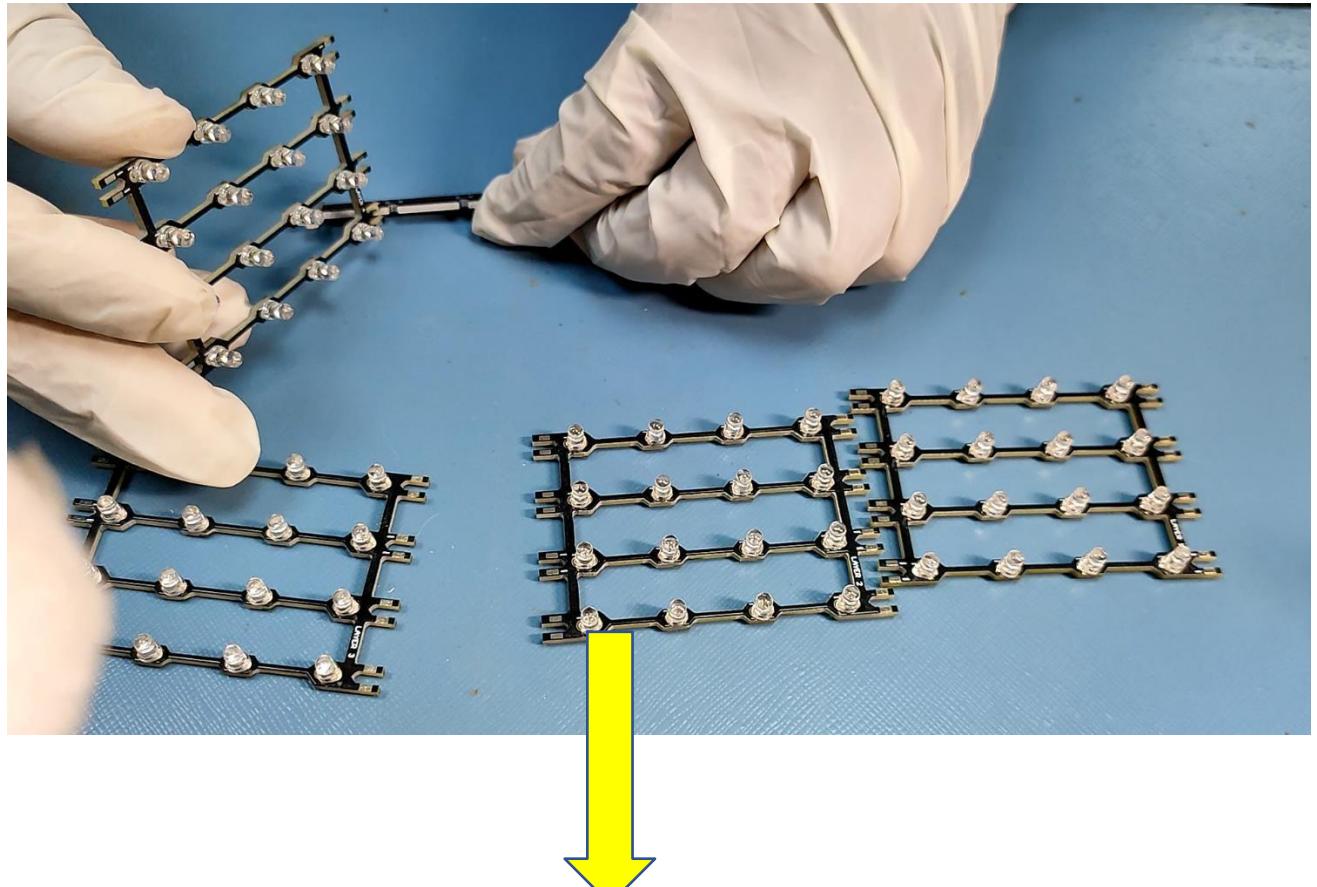


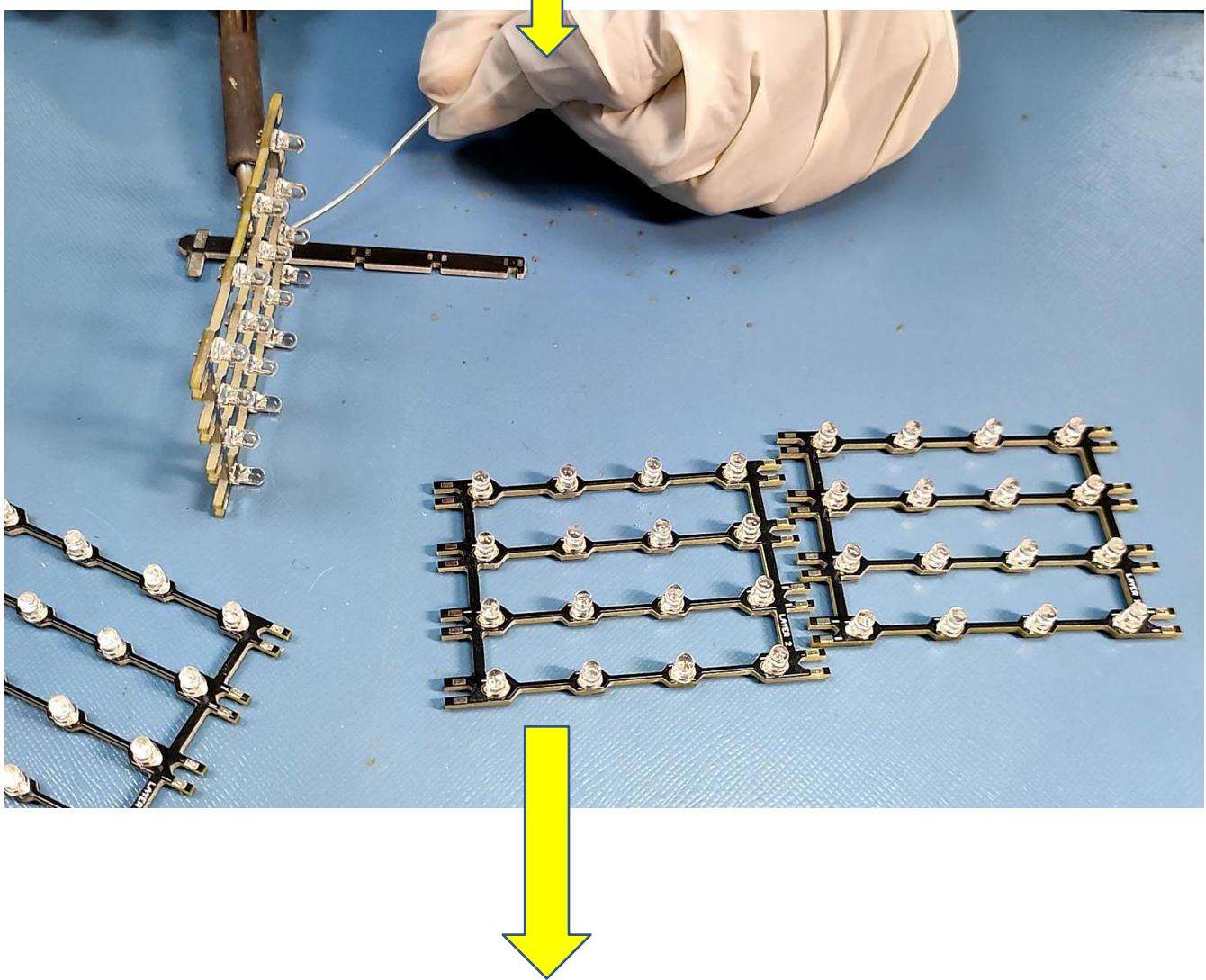
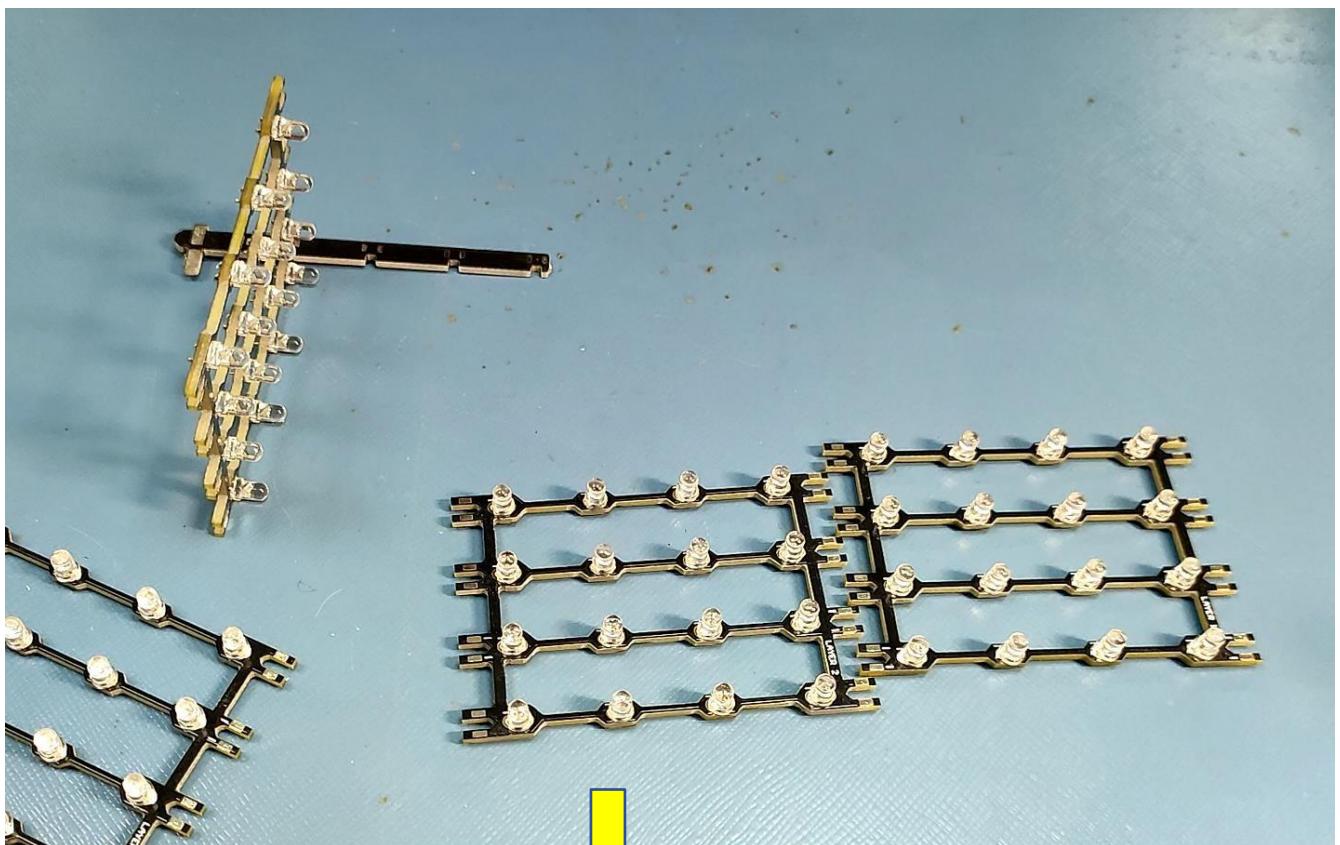
- After soldering the LEDs on all the 4 layers, the final output is

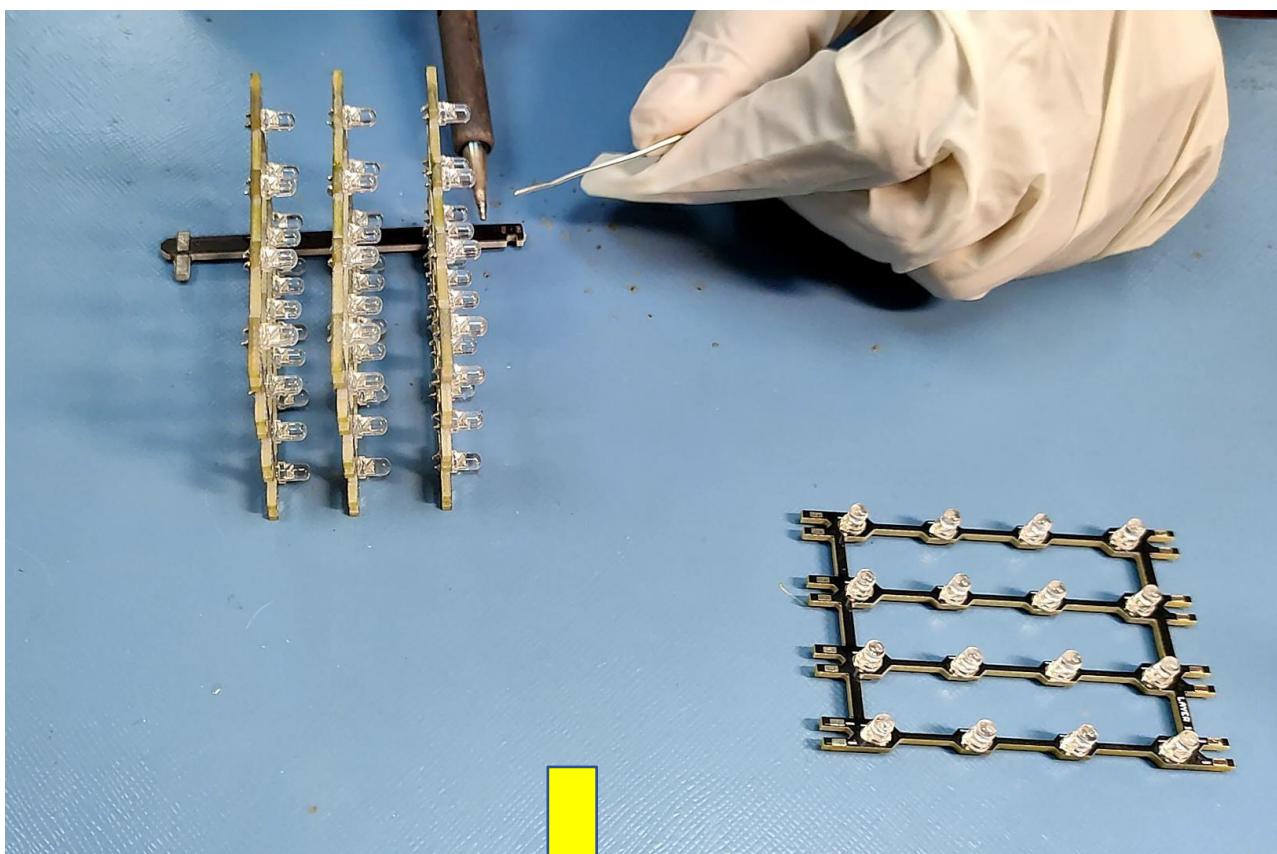
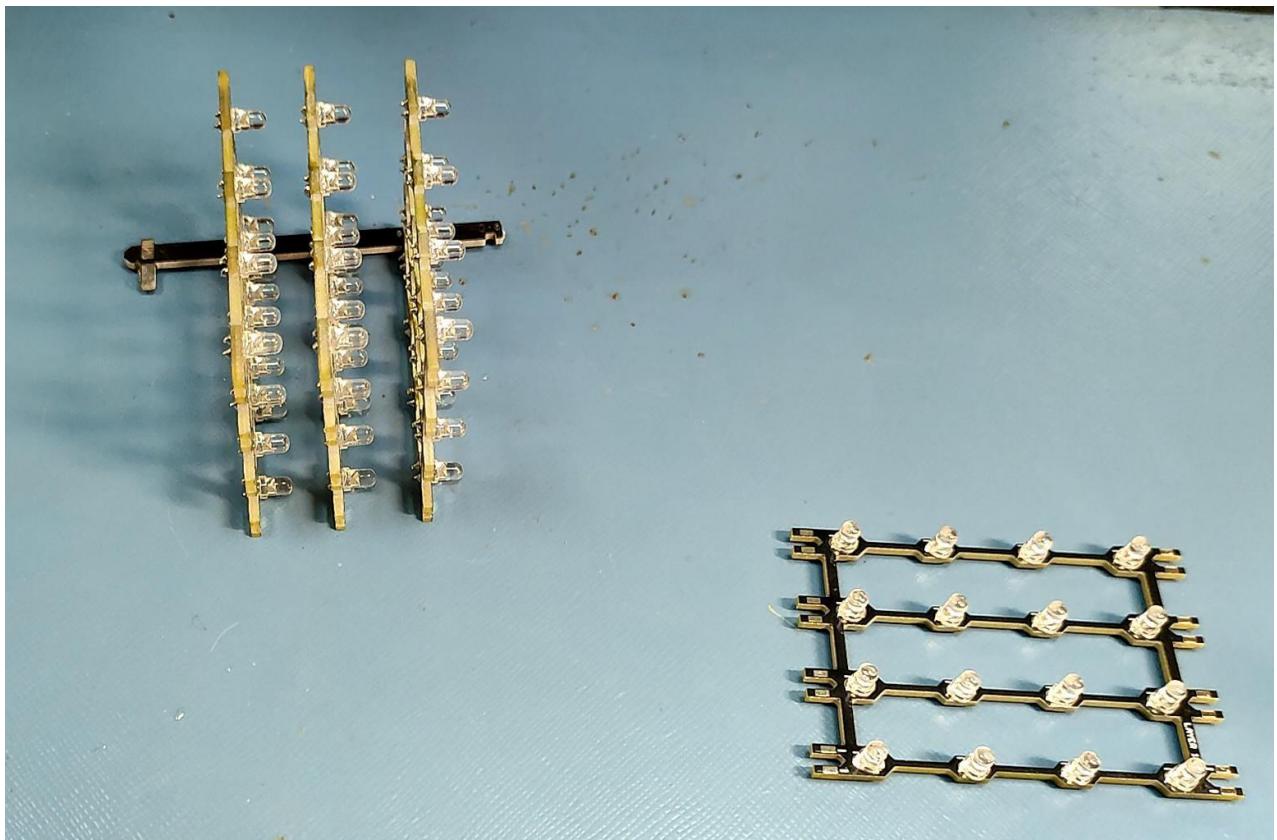


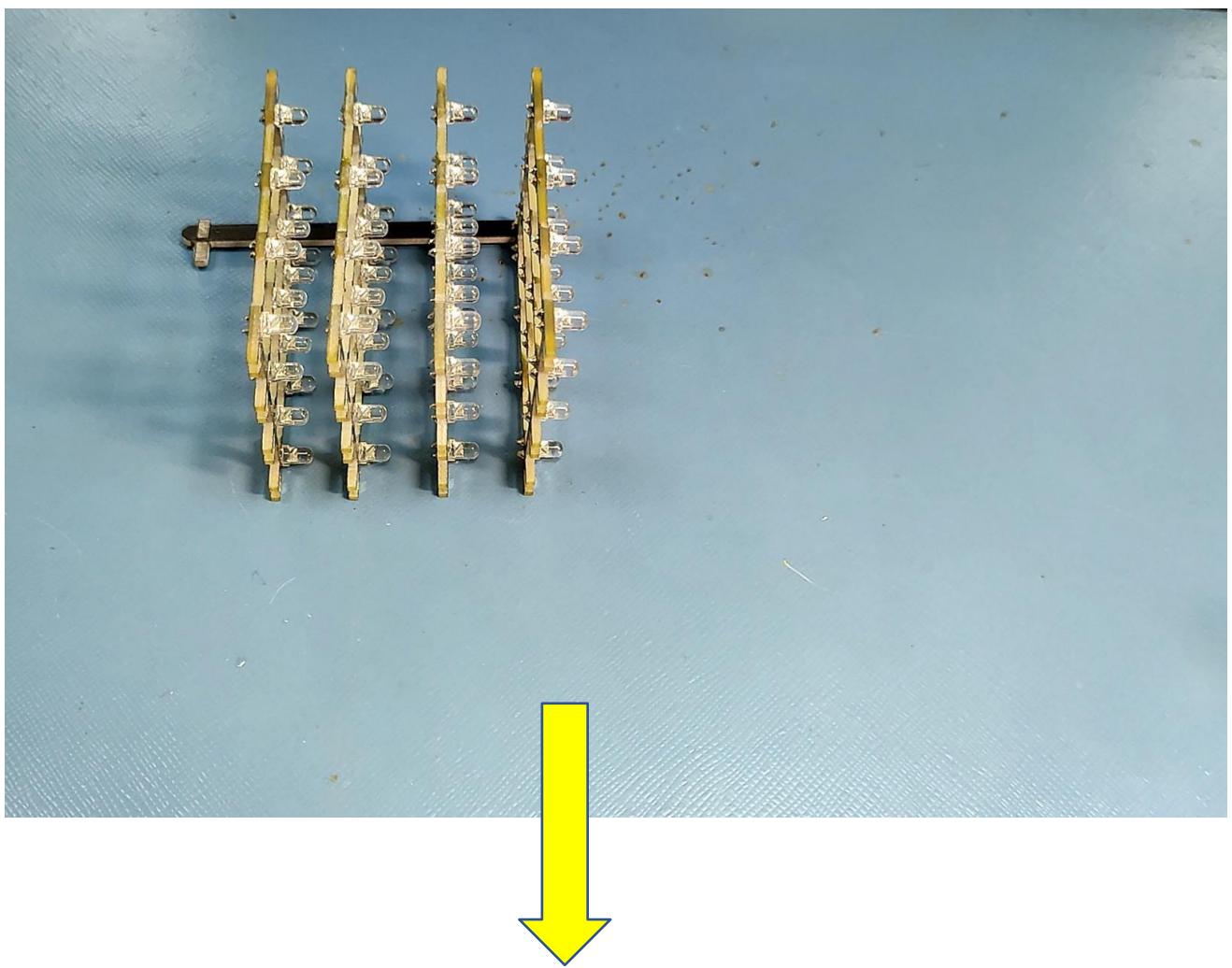
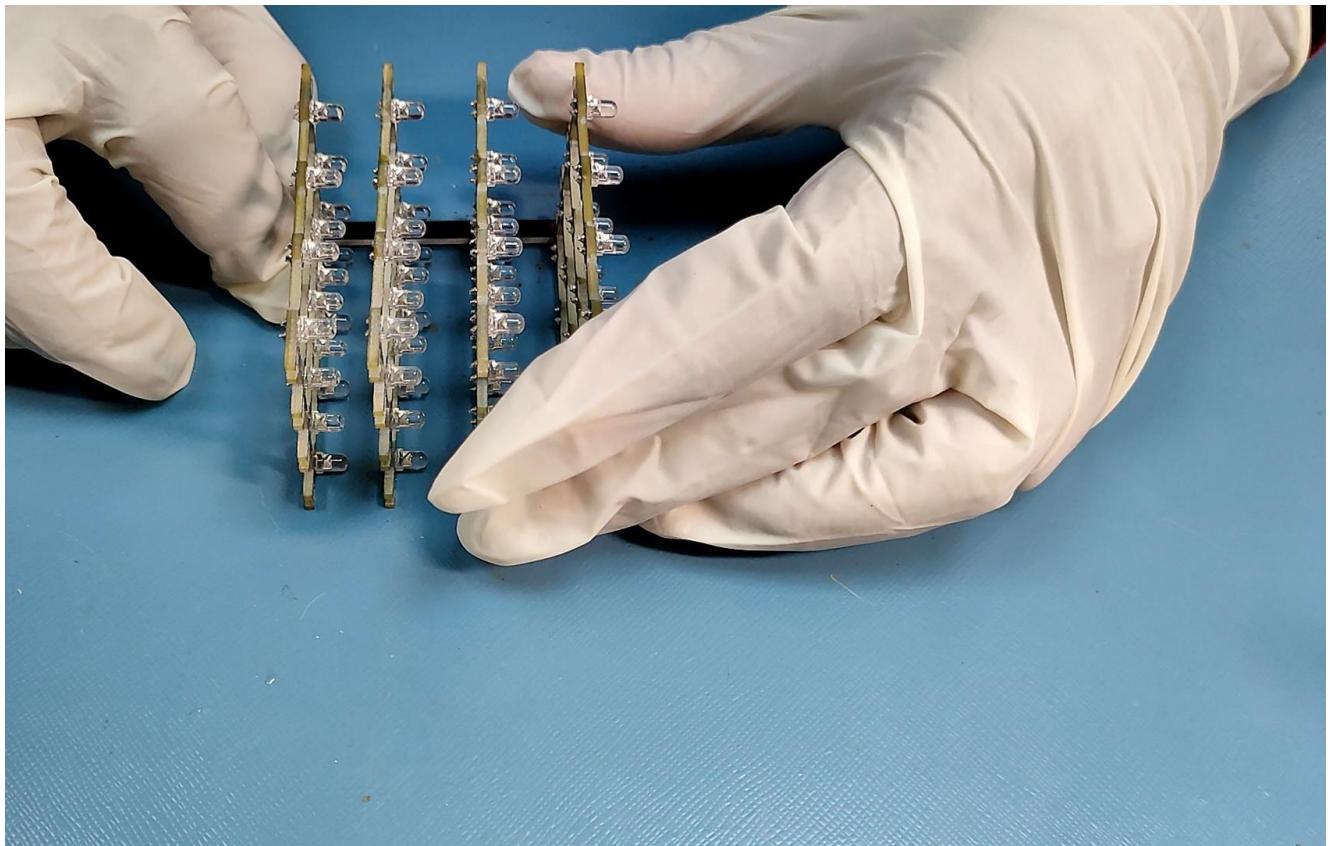
2.2 –Fix and solders the layers with the pillars as shown in figure (follow all the pictures shown below):

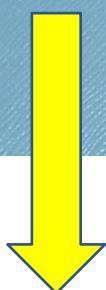
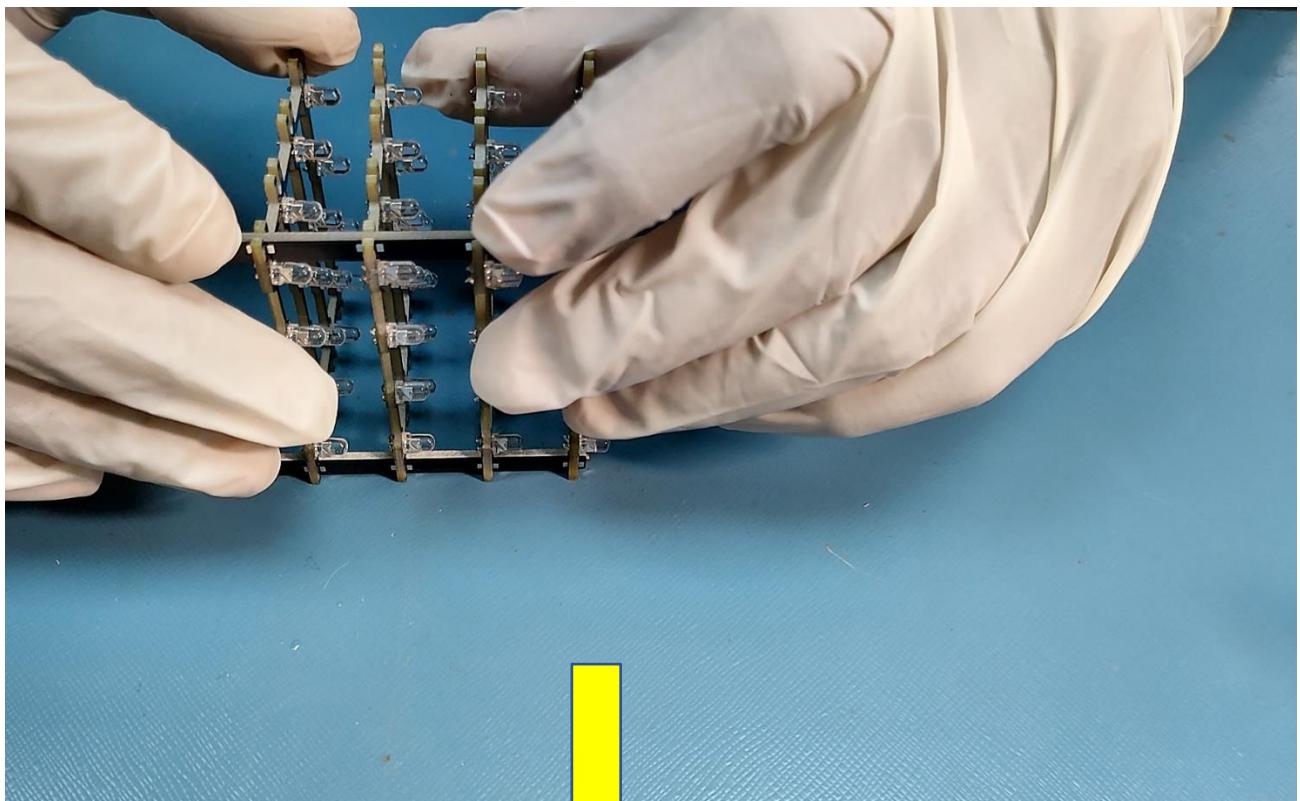
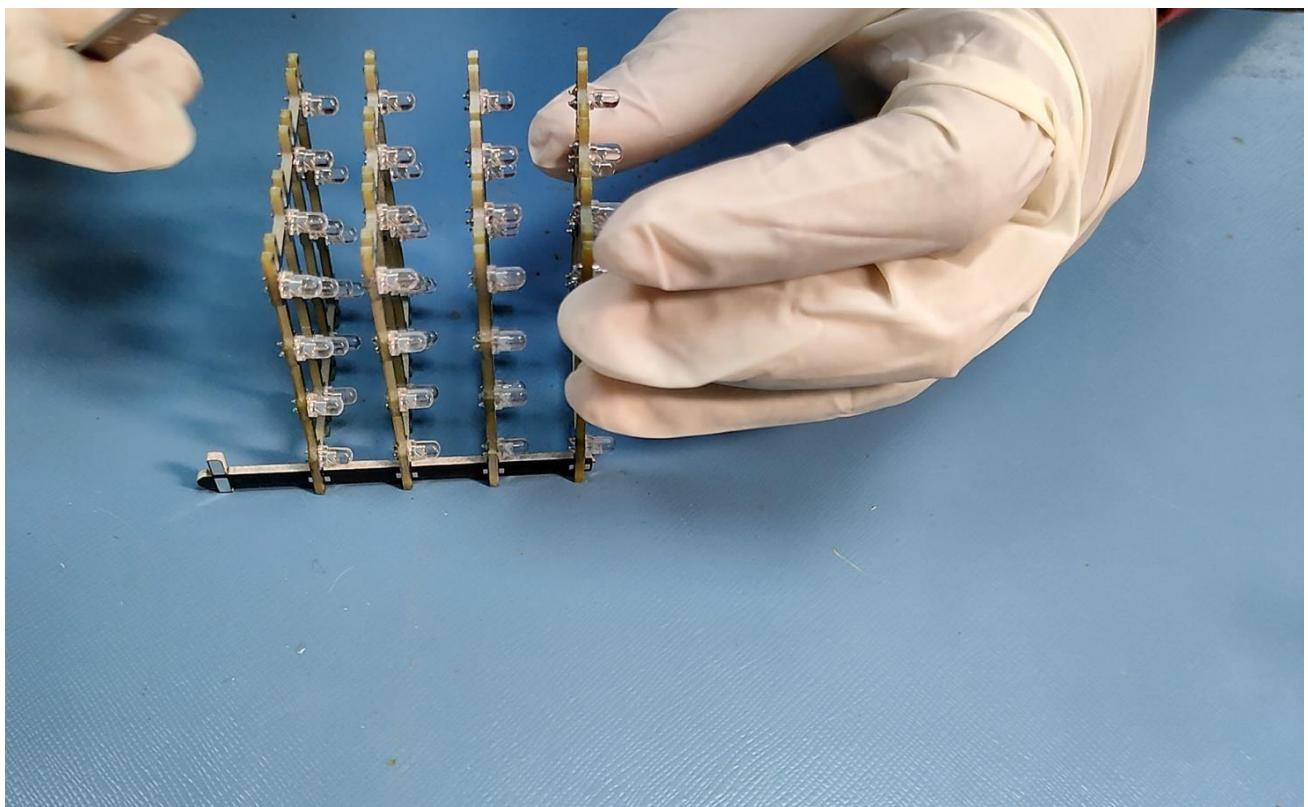
Fix layer 1 at the top, then layer 2, layer 3, then layer 4. (layer 4 is at the bottom)

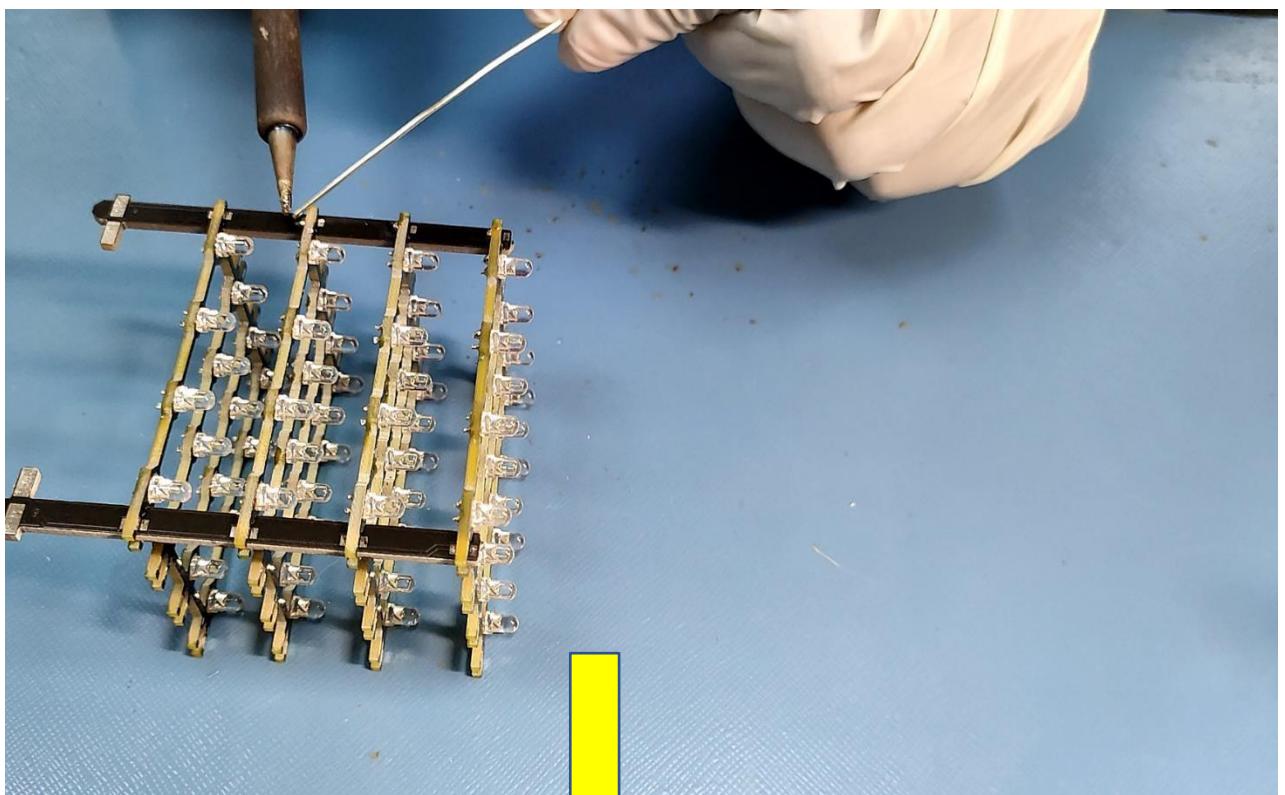
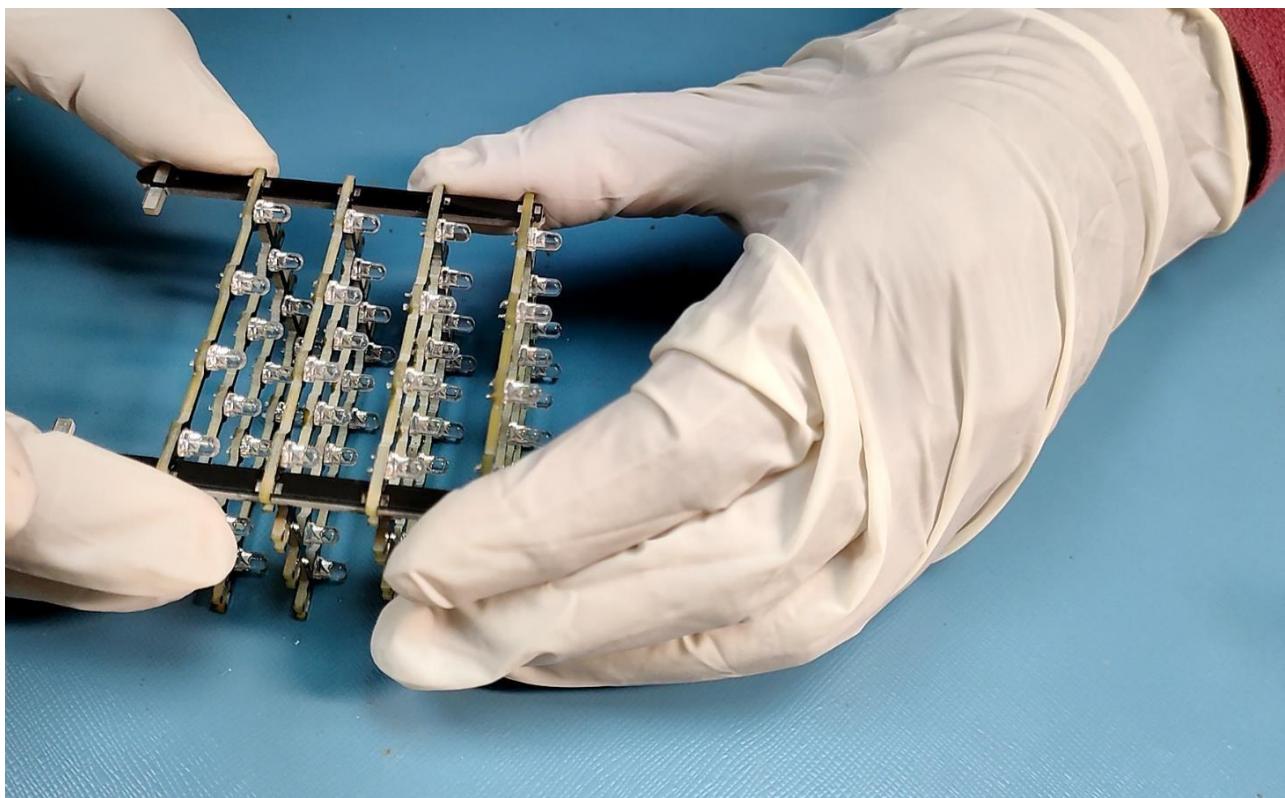


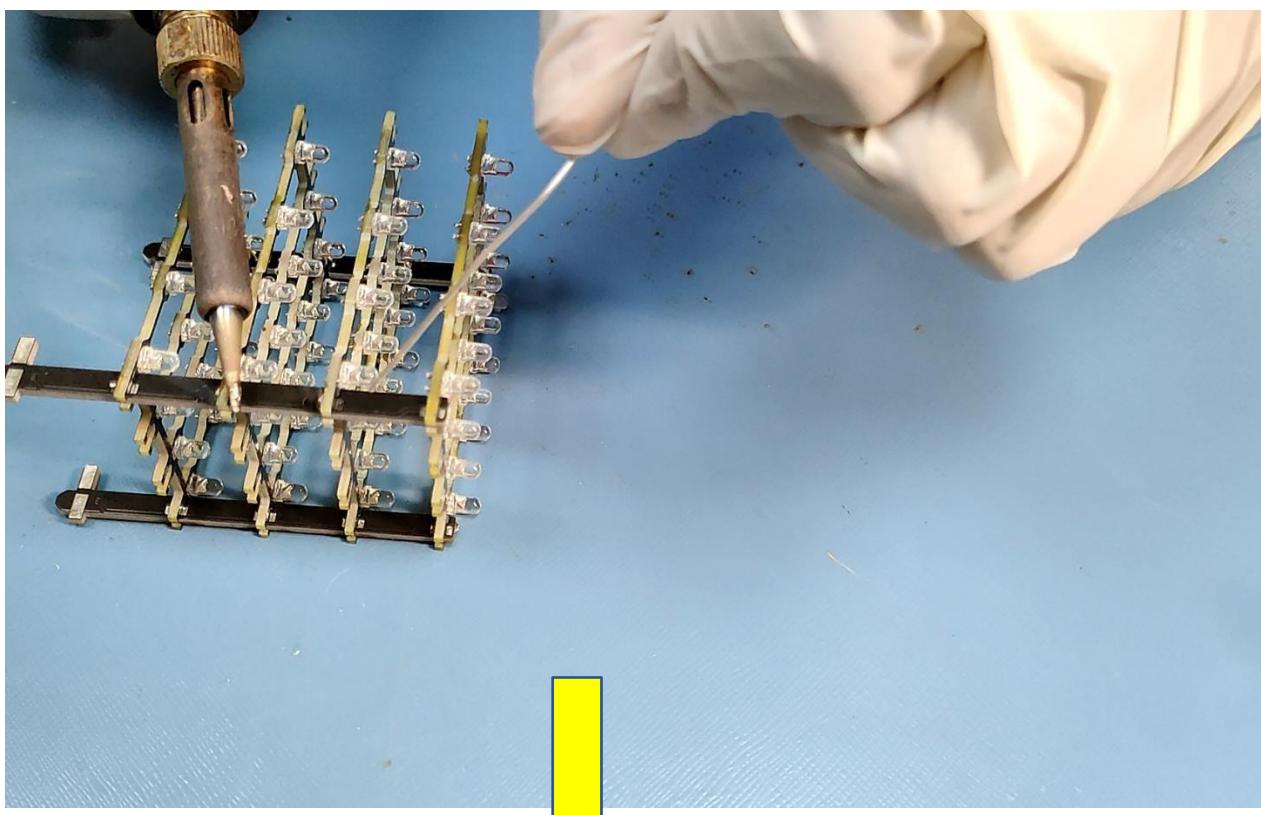
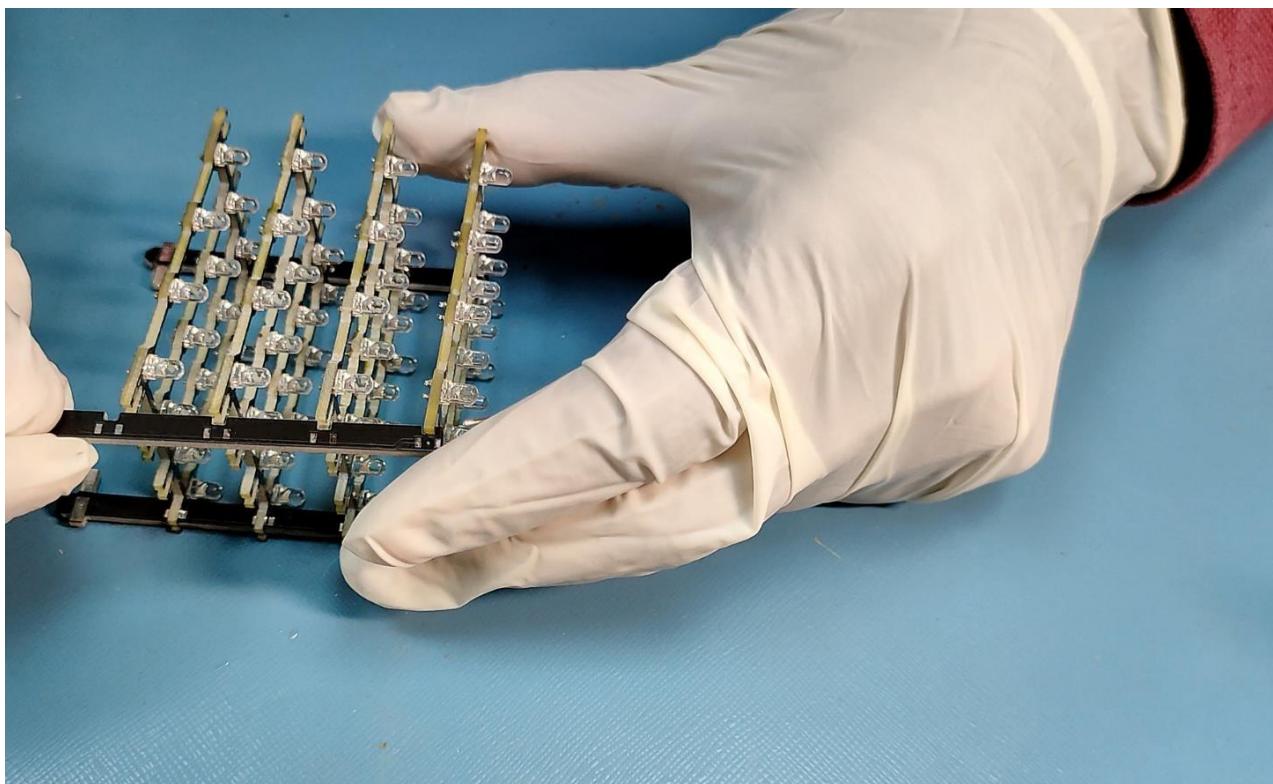


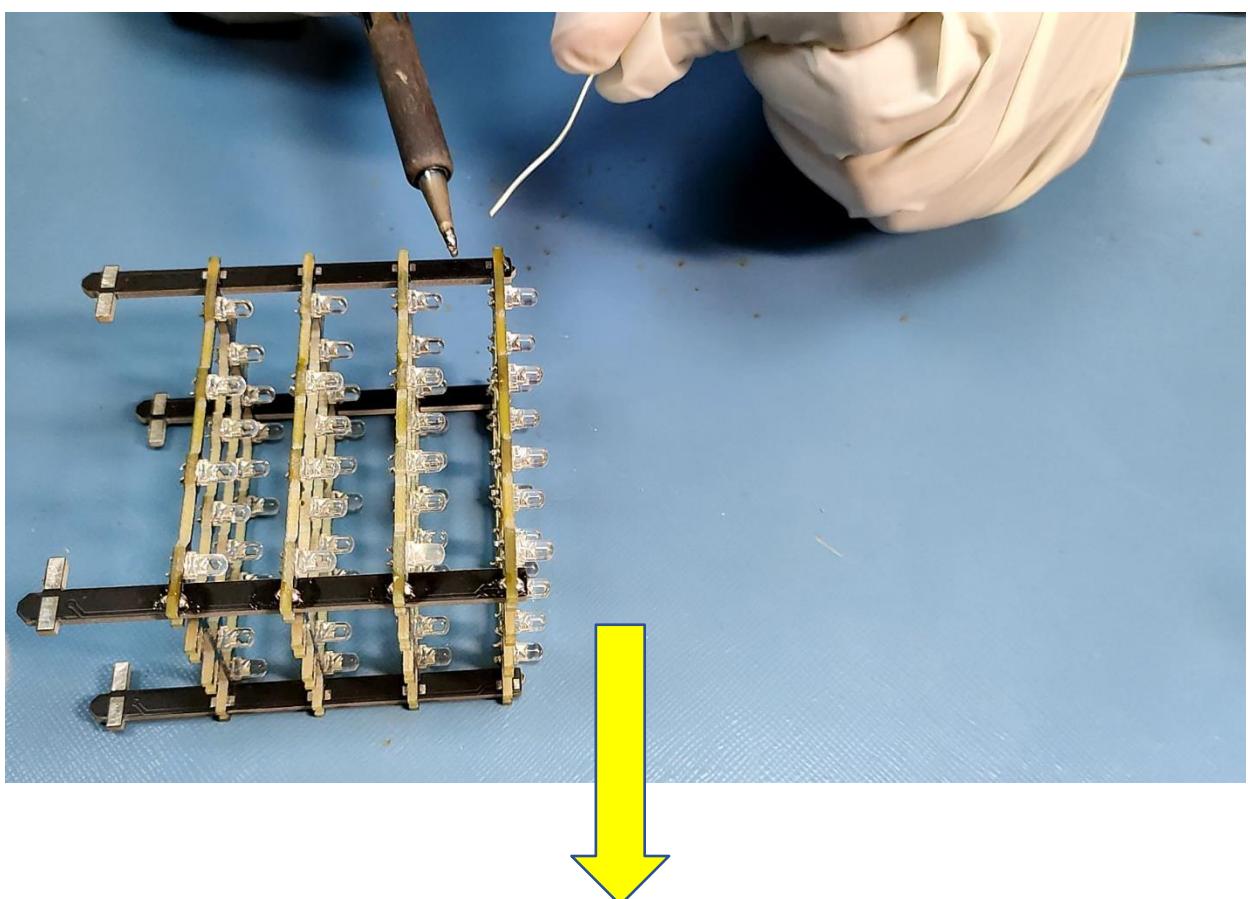
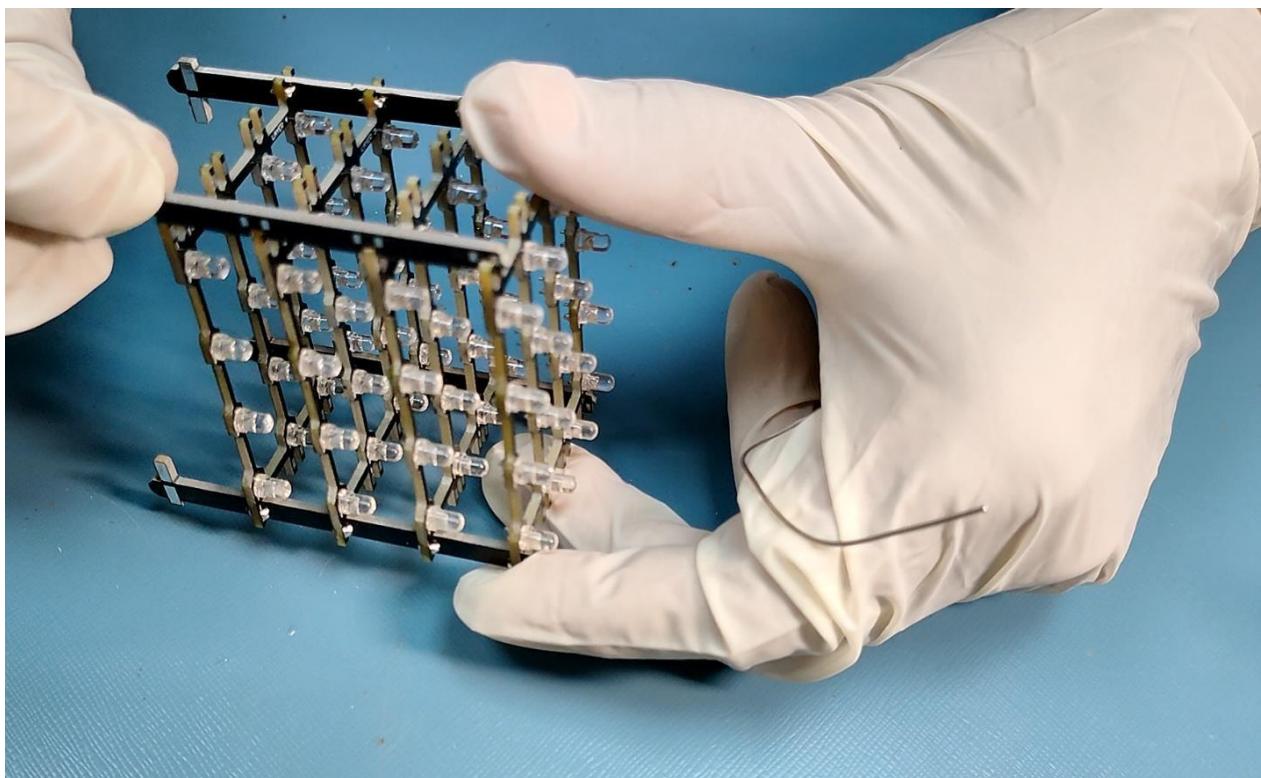


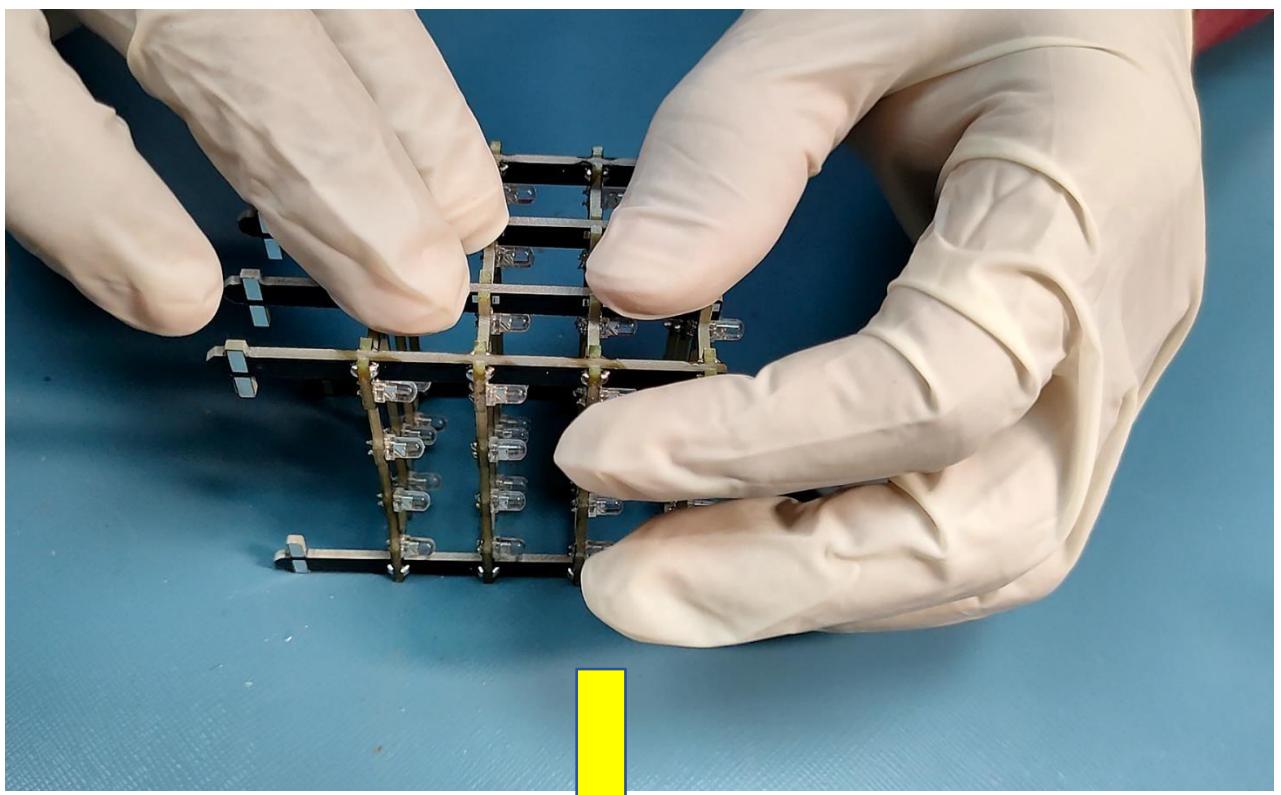
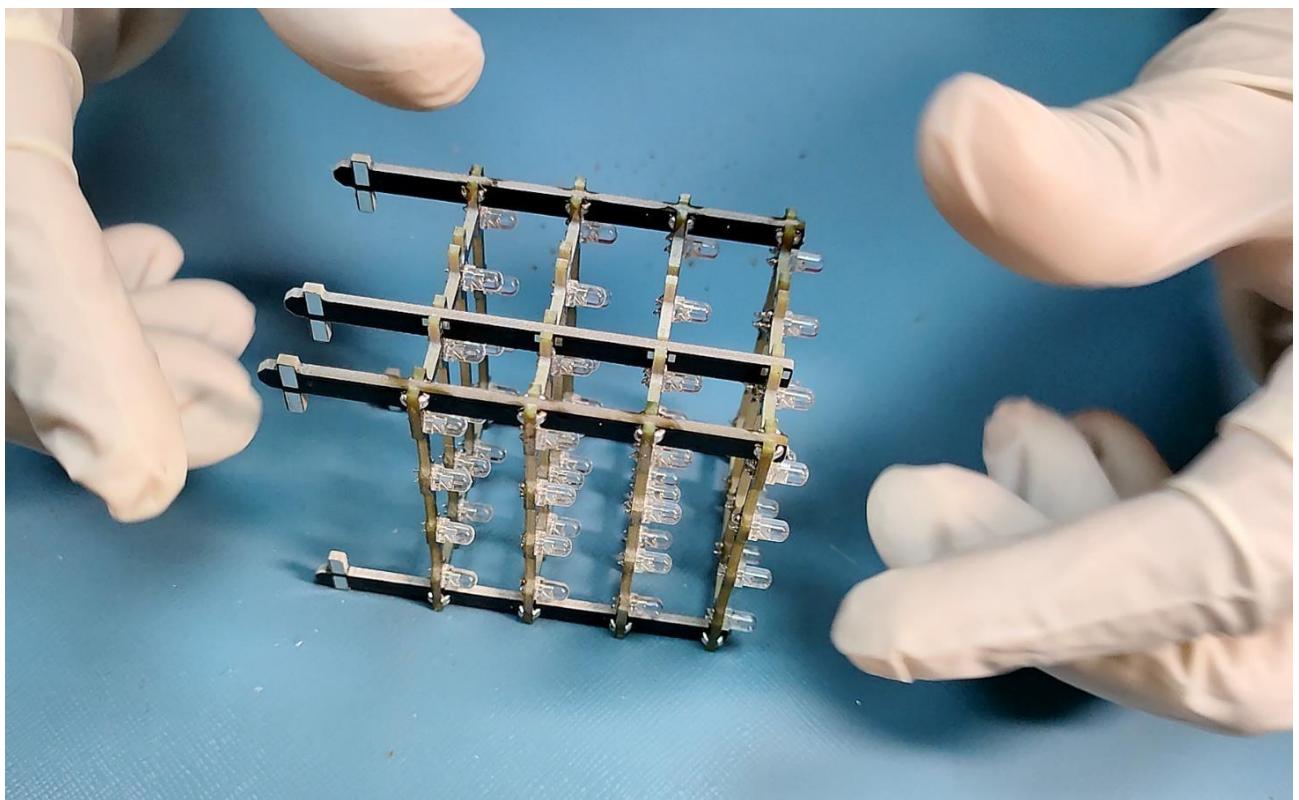


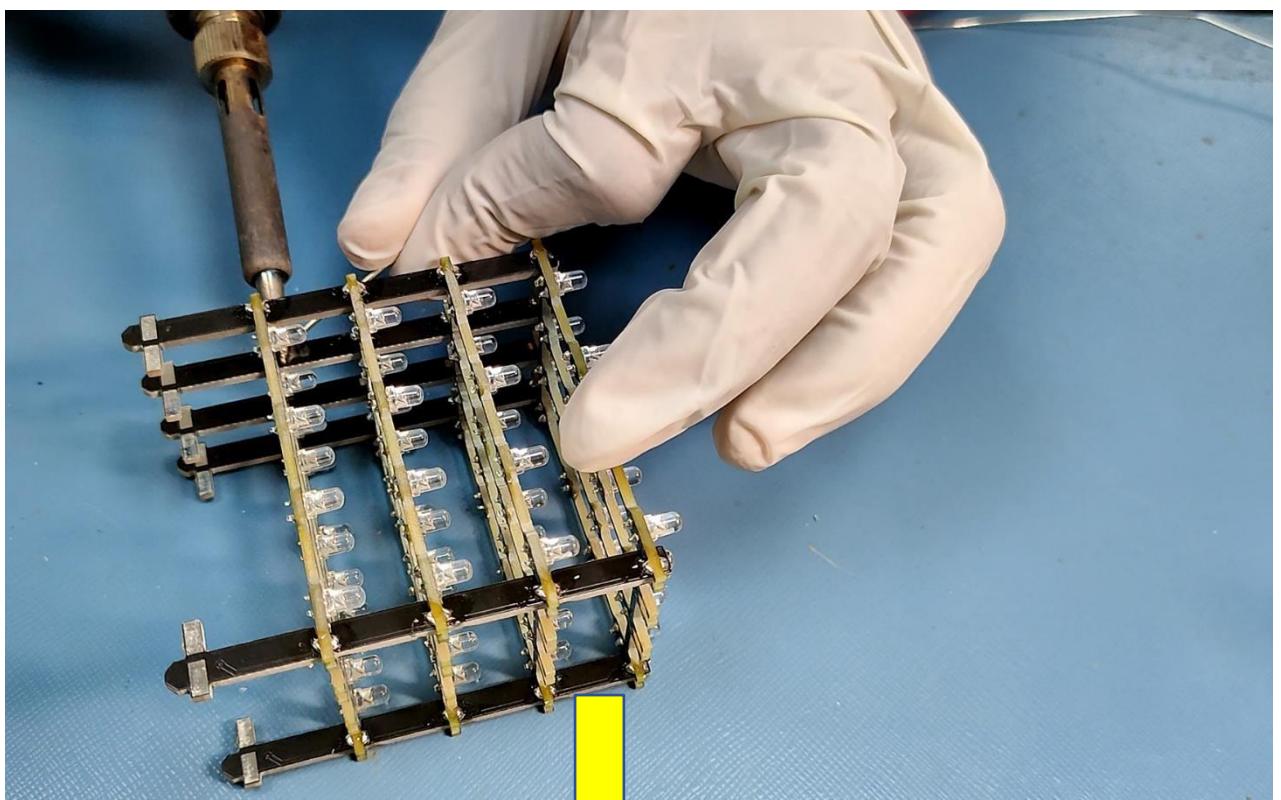
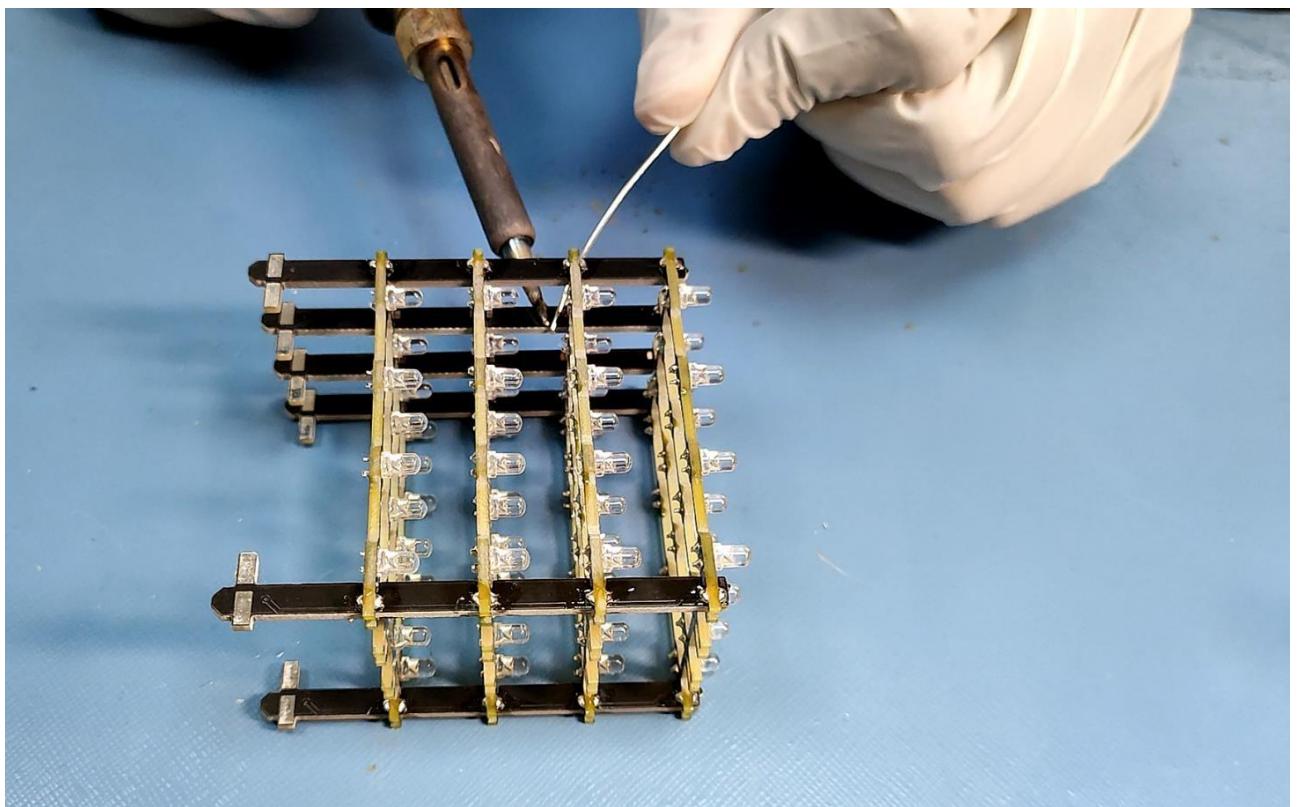


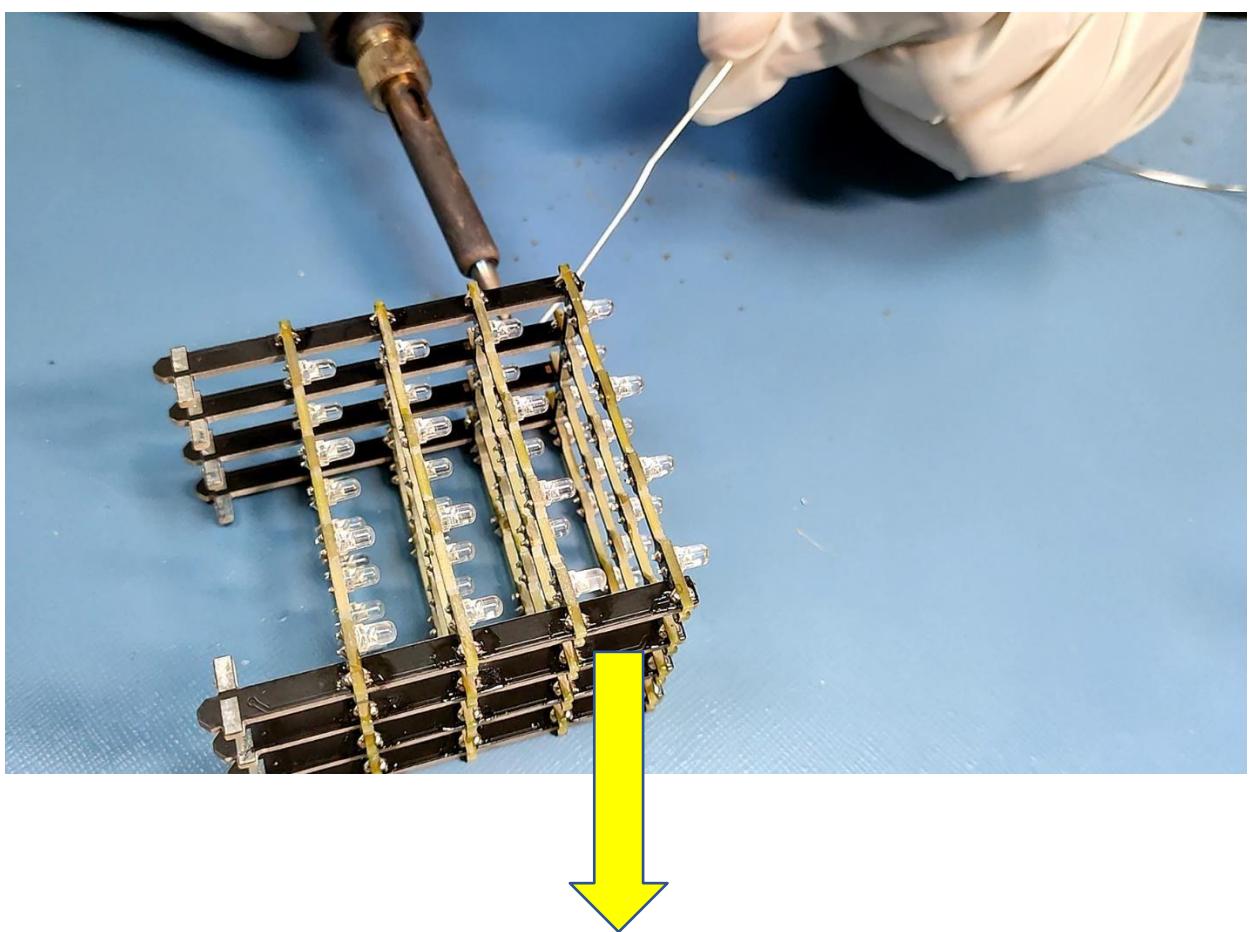
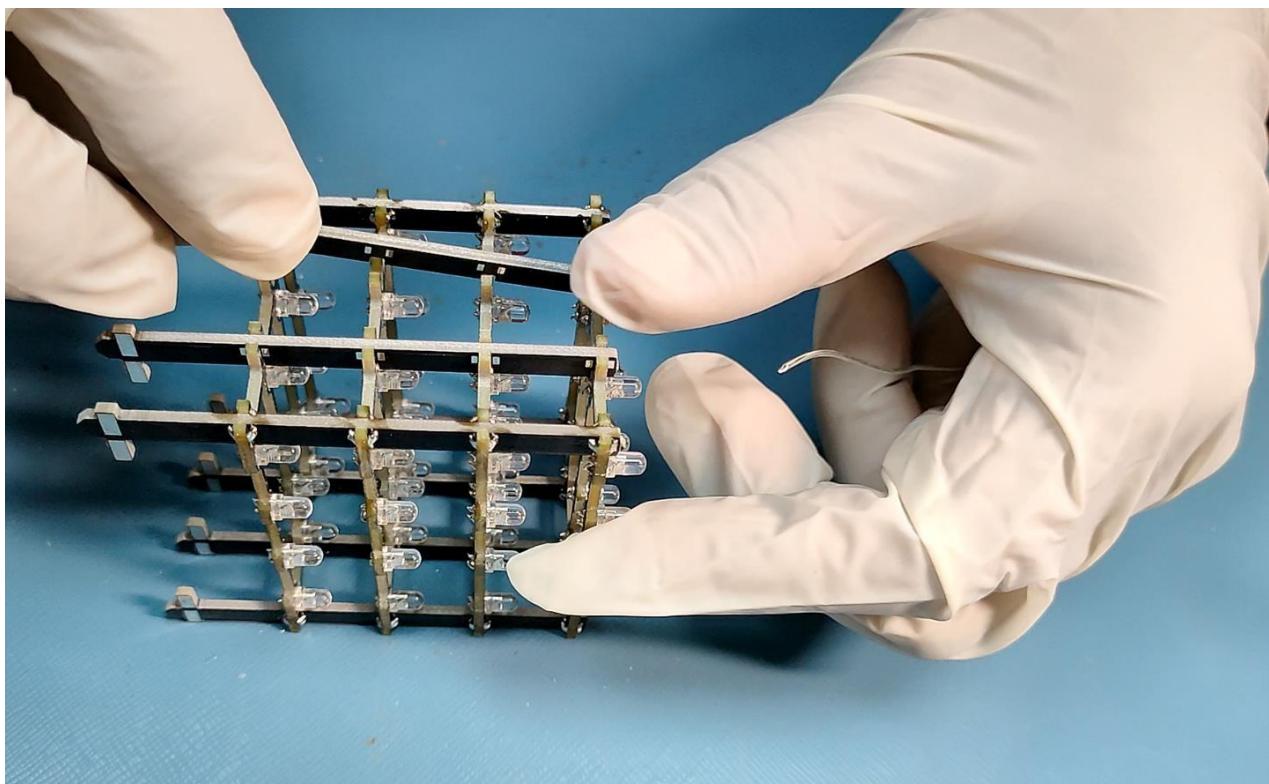


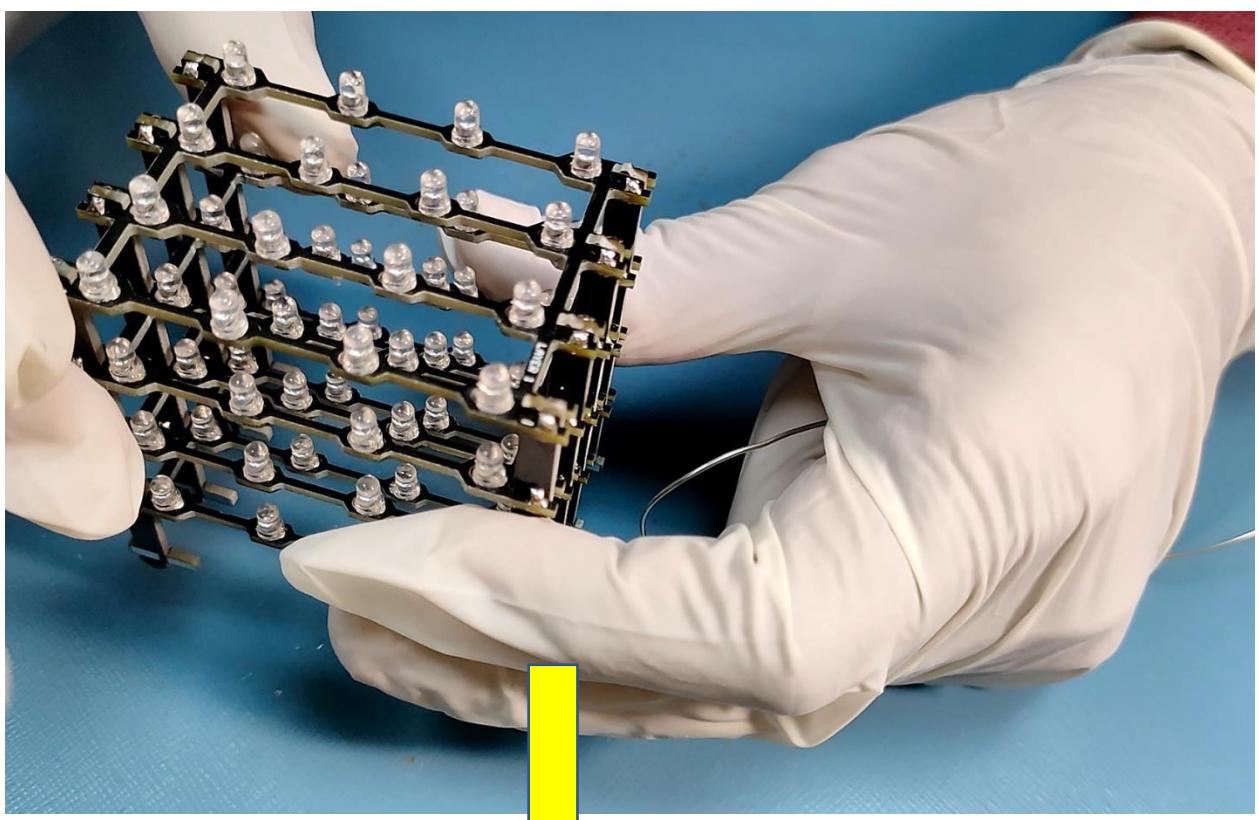
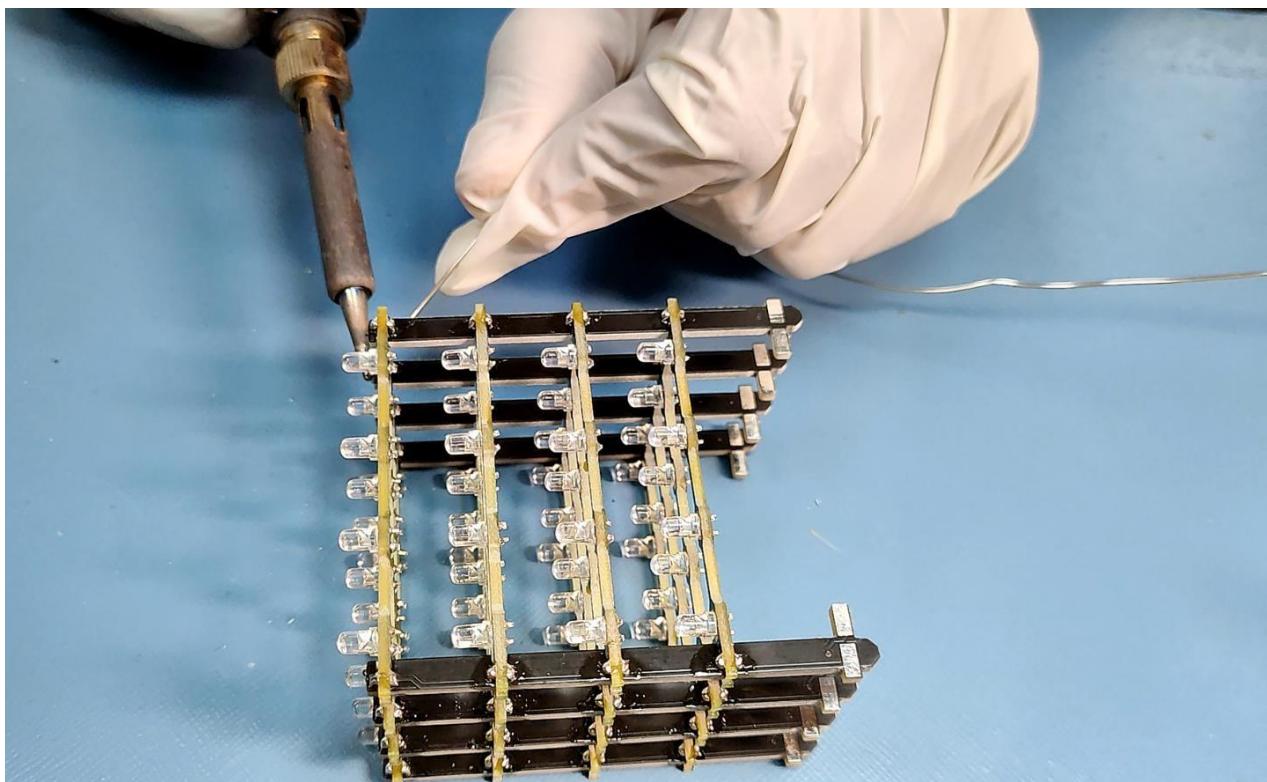


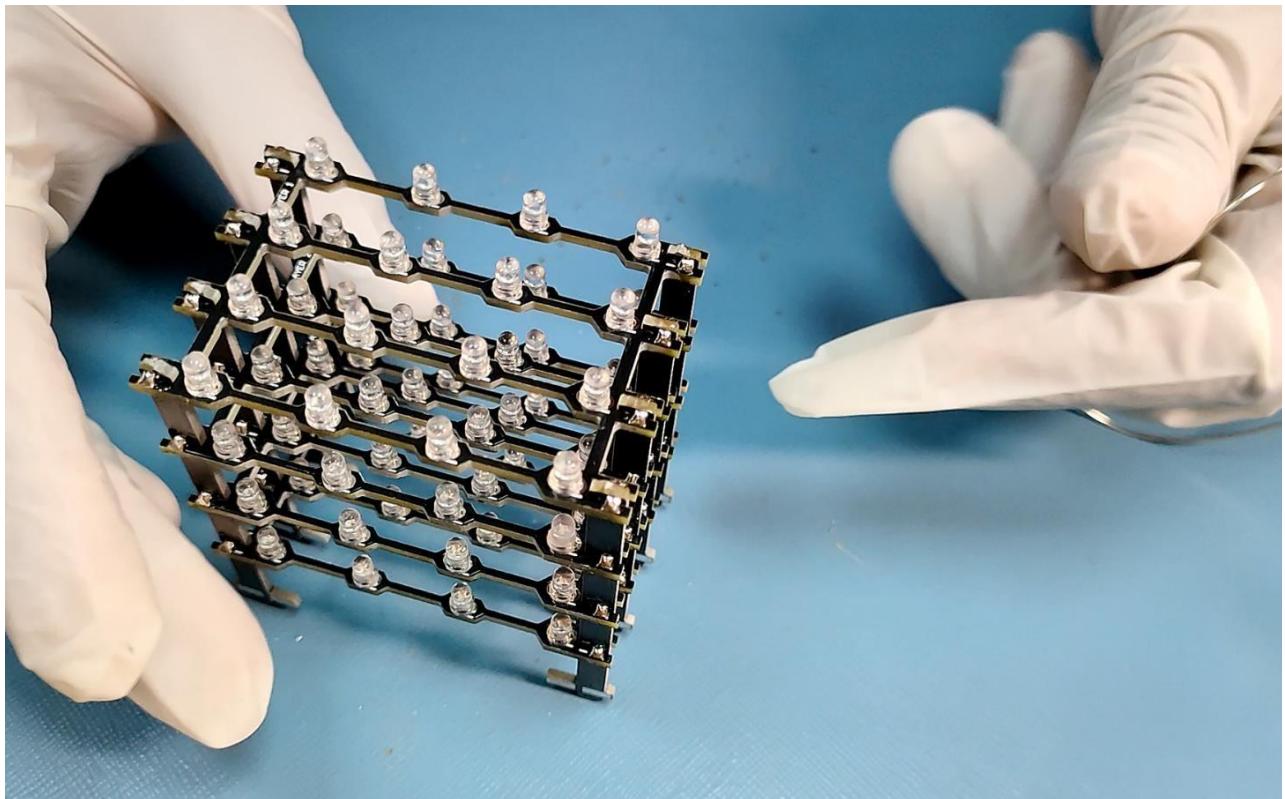






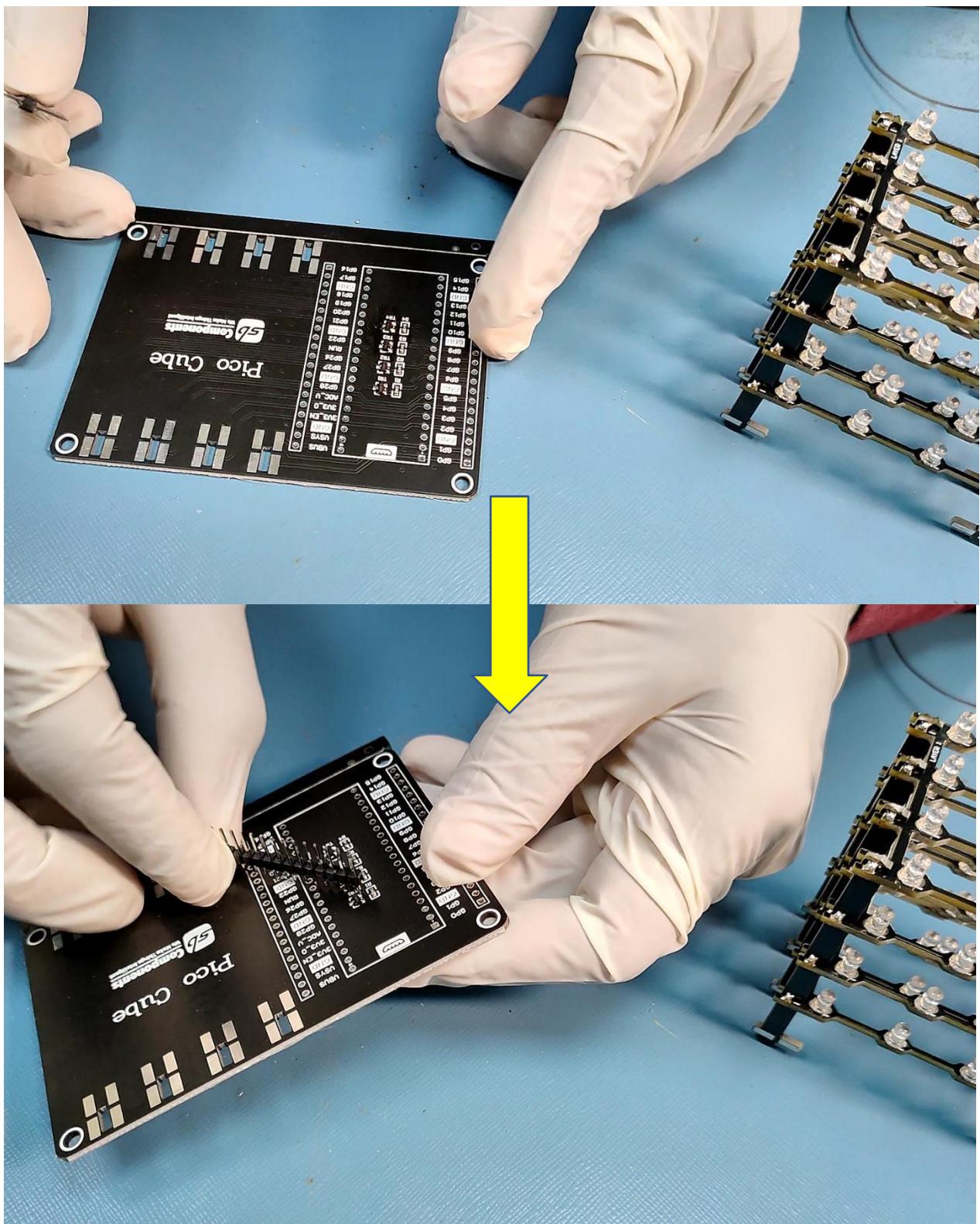


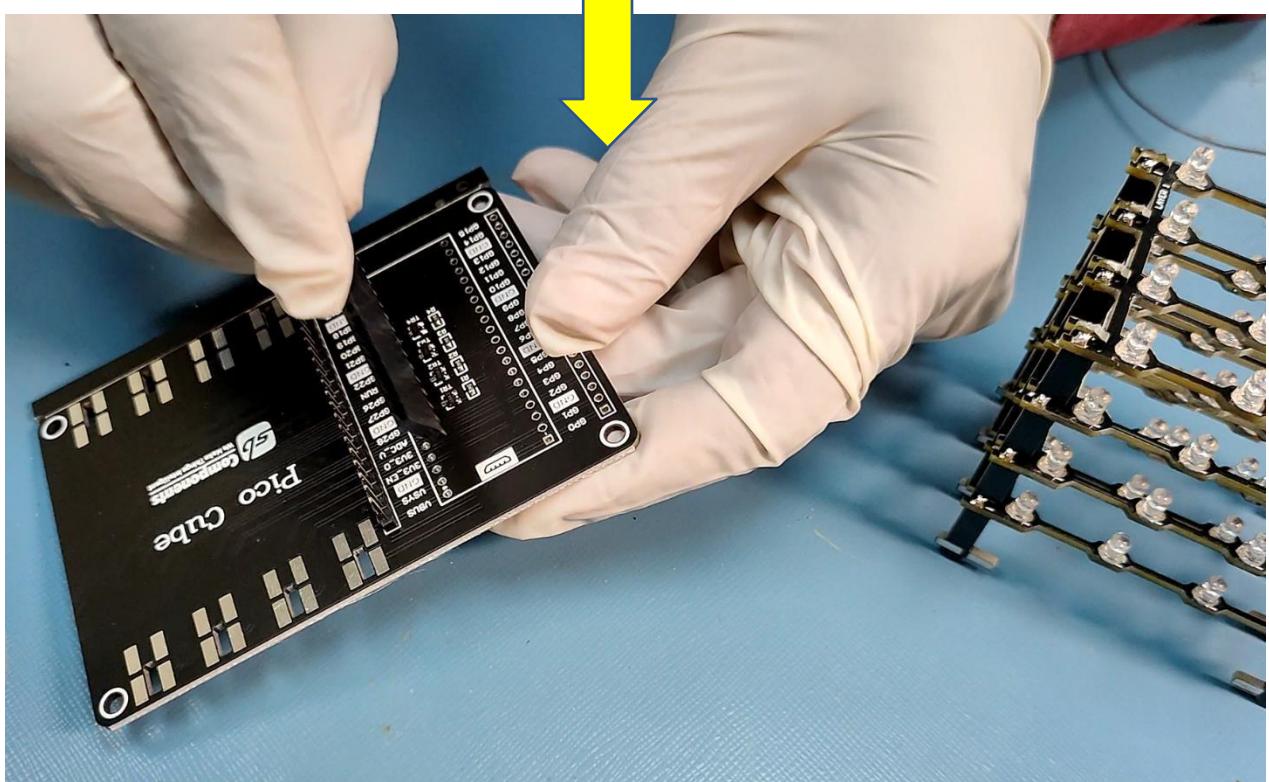
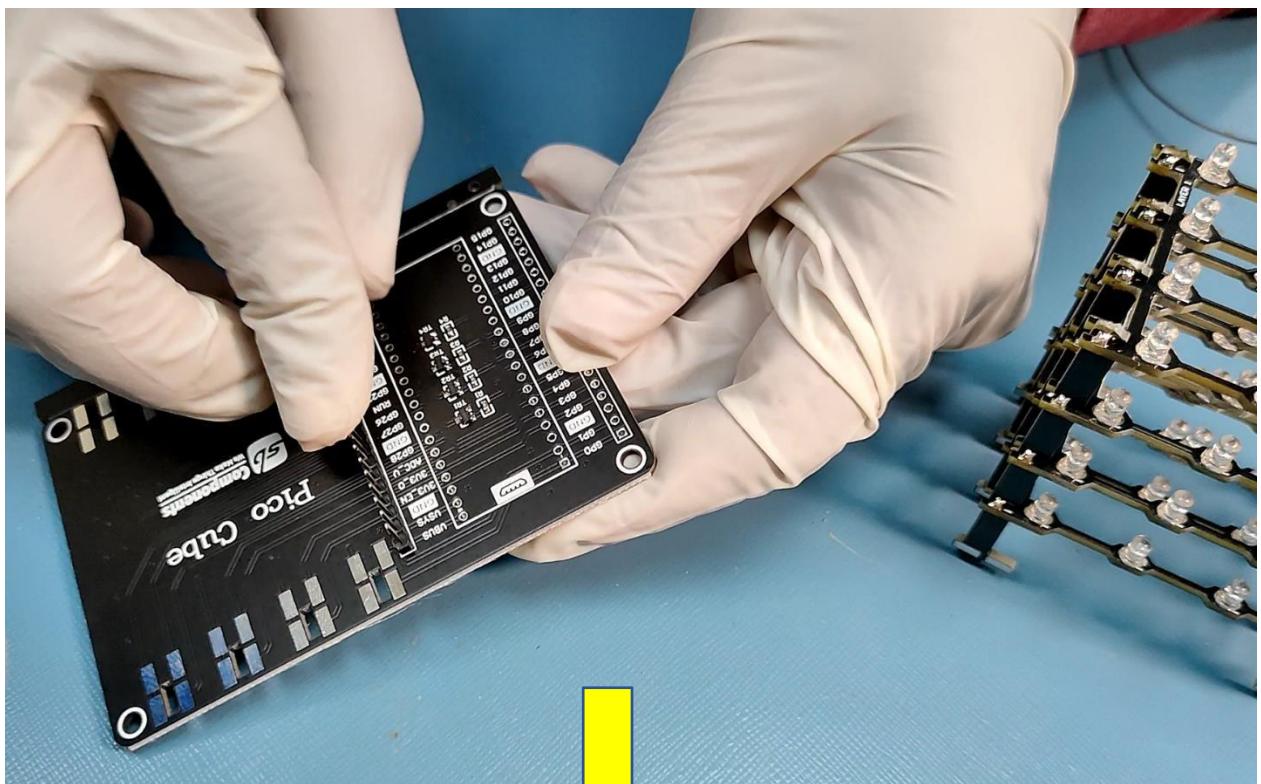


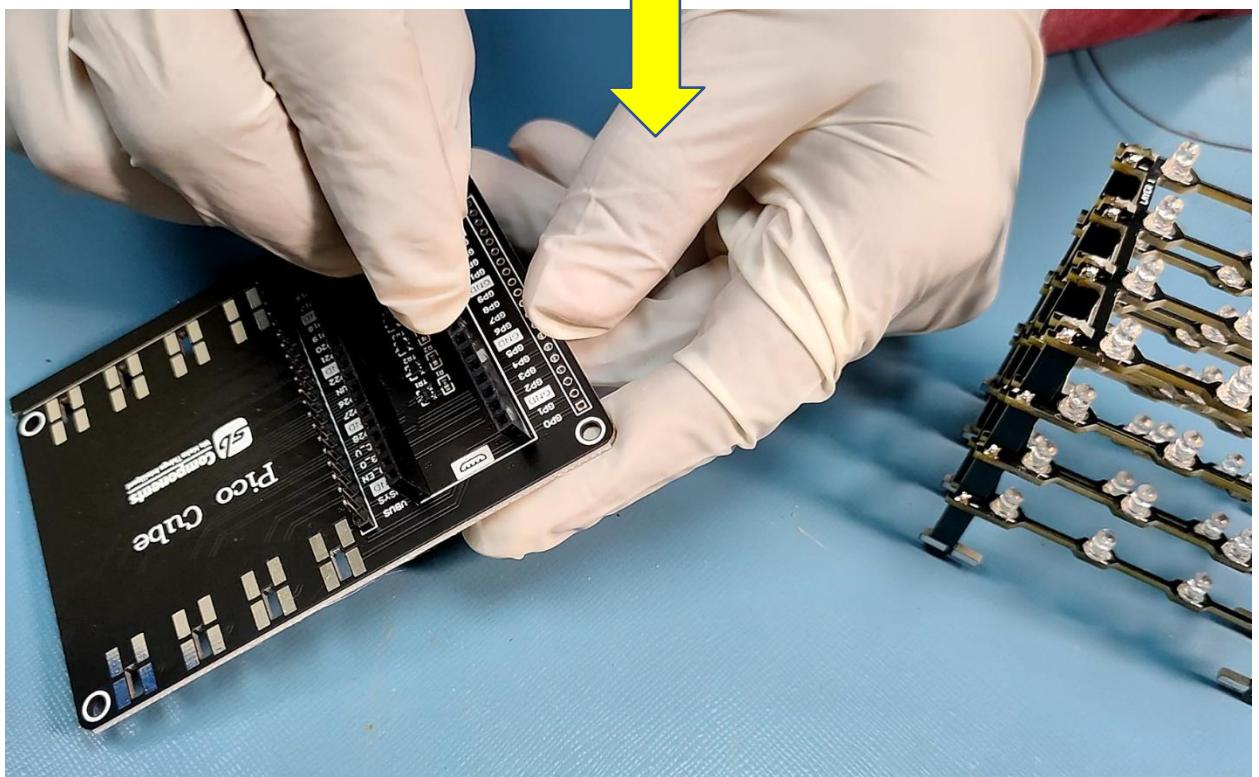
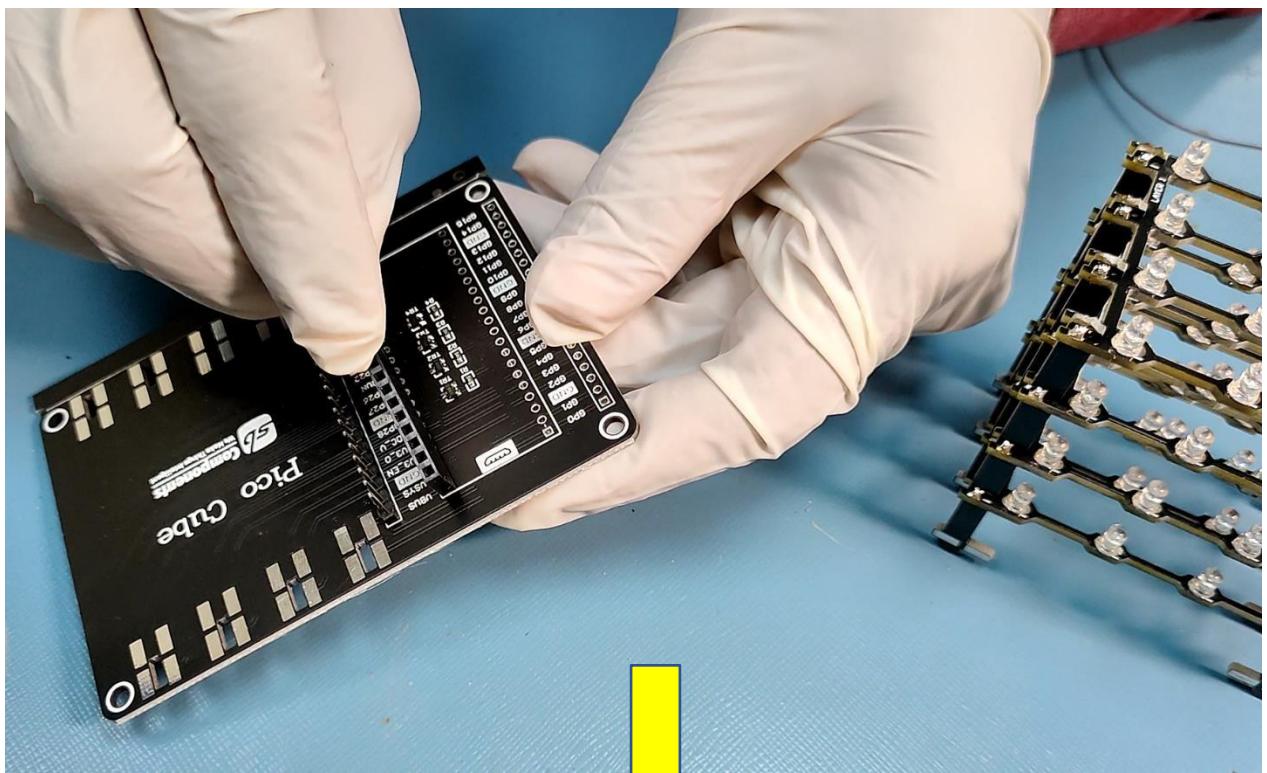


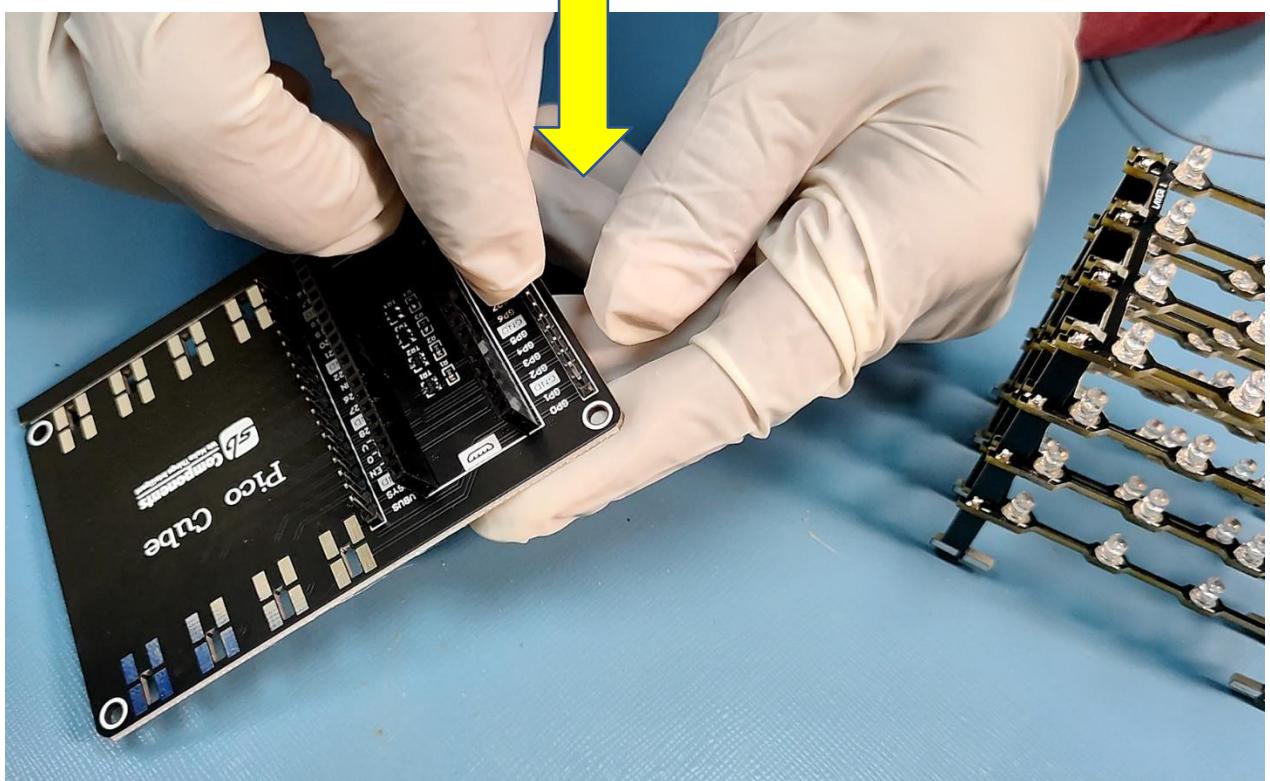
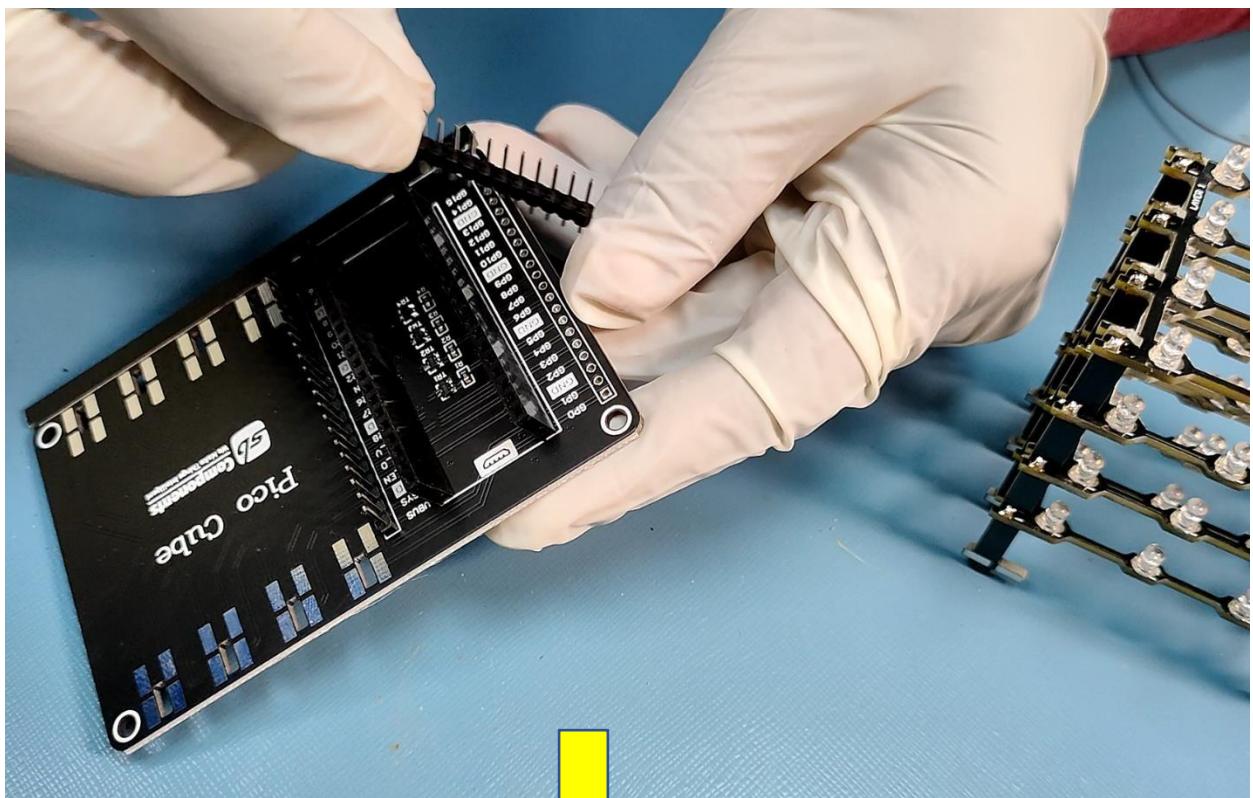
LED cube is now completed

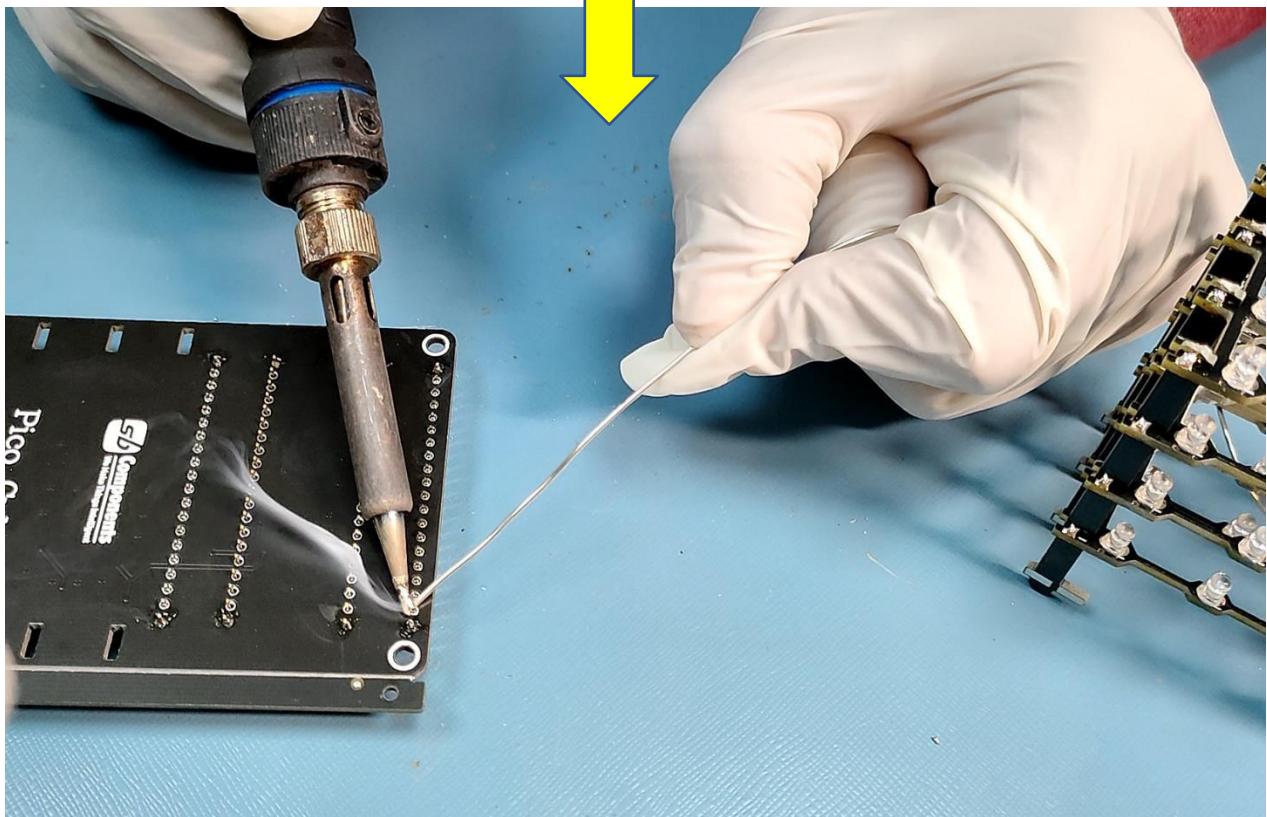
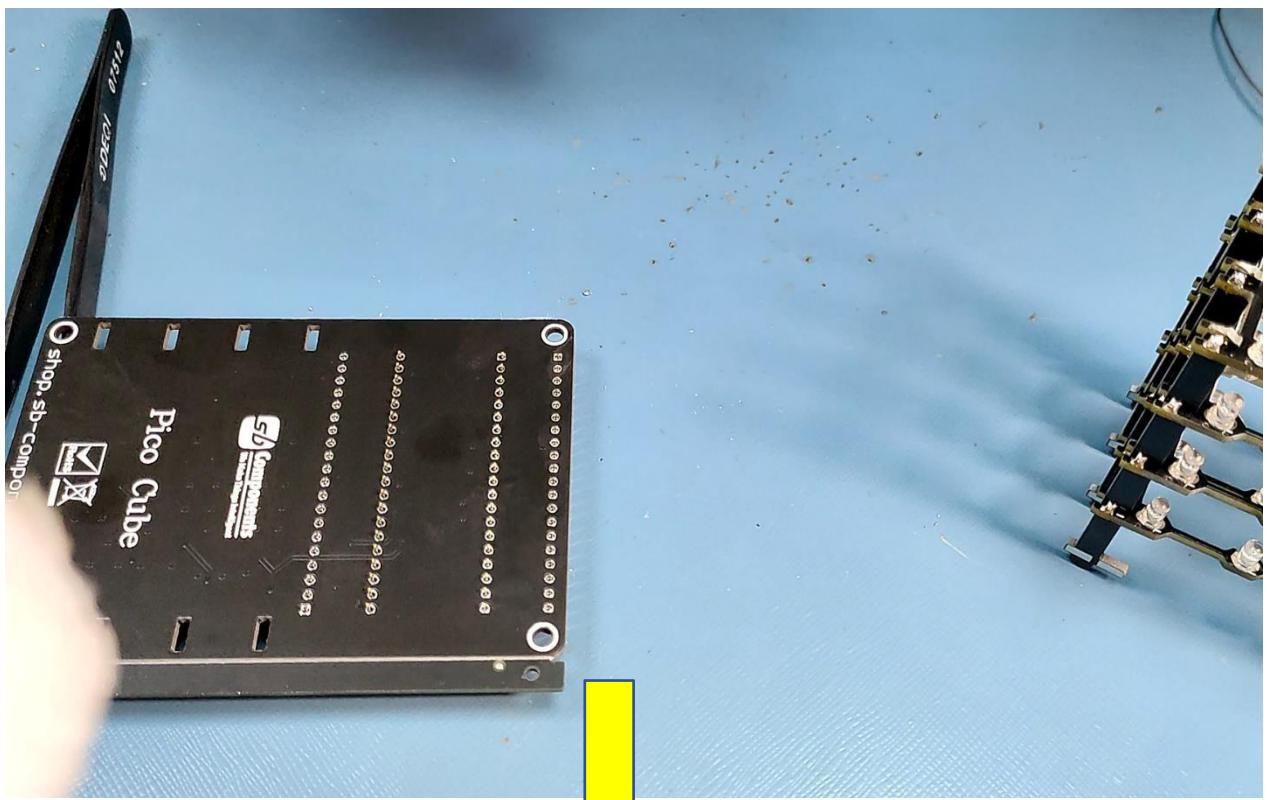
2.3 – Now solder the whole cube at the top of the Pico cube base (solder the header pins on the board), soldering points is given at the base PCB

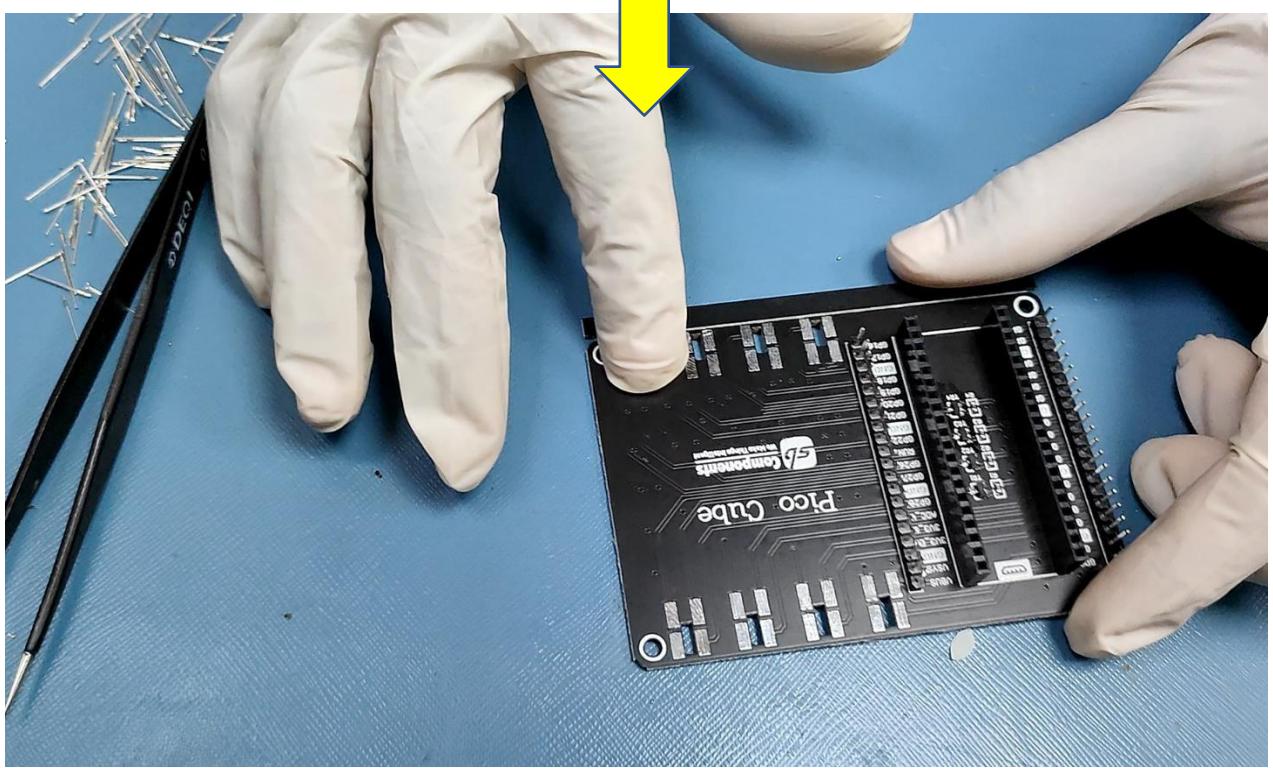
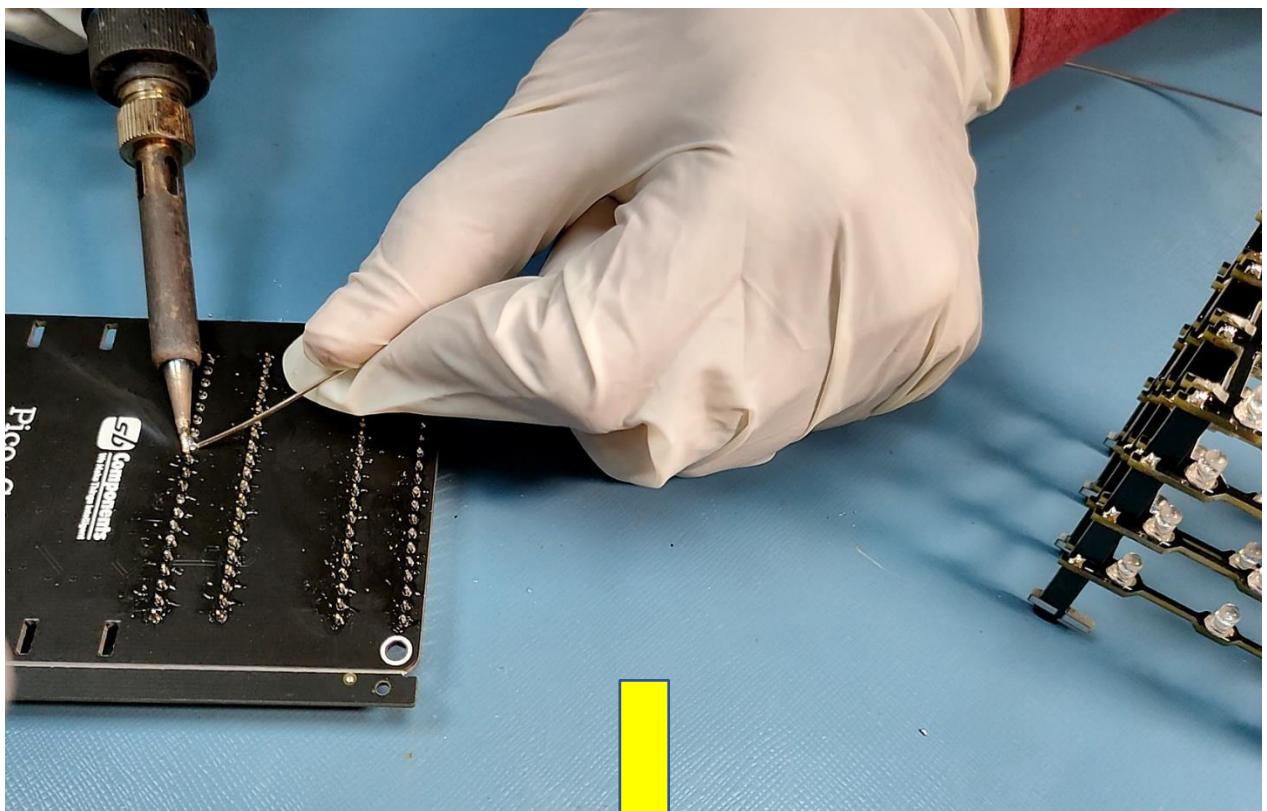


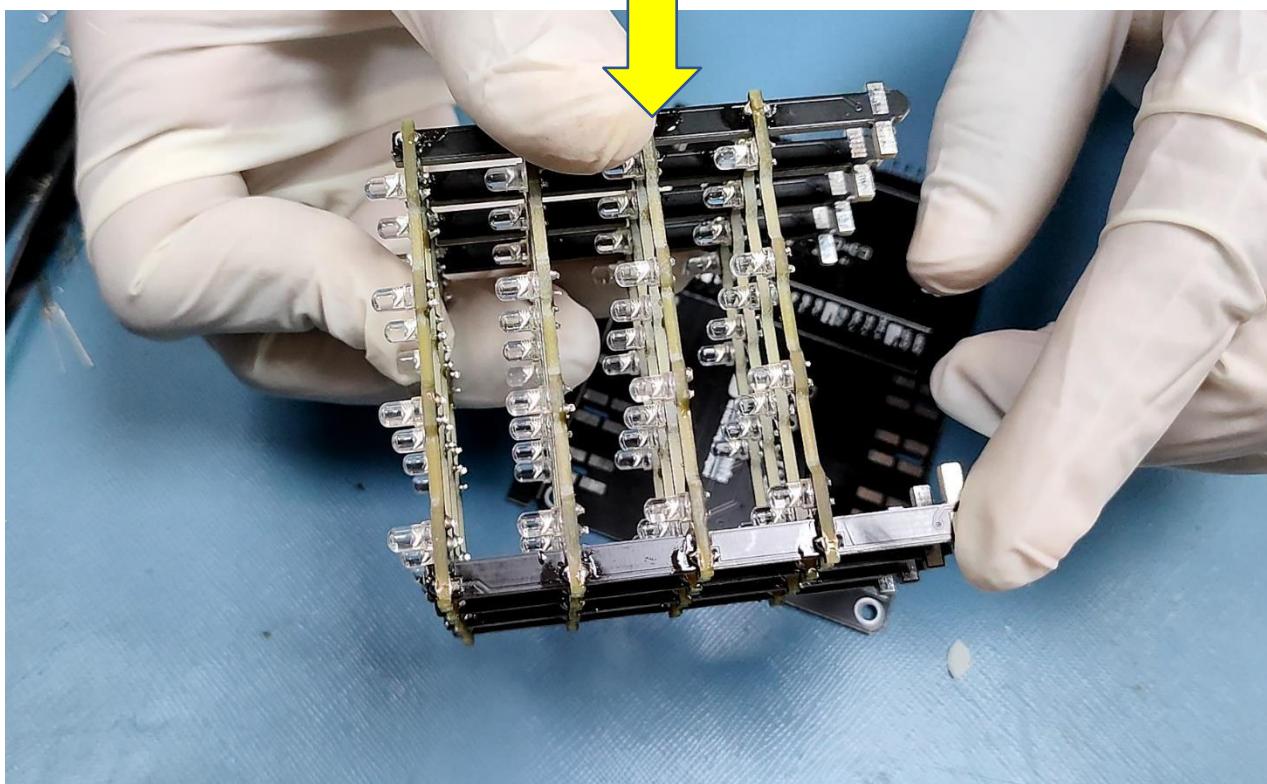
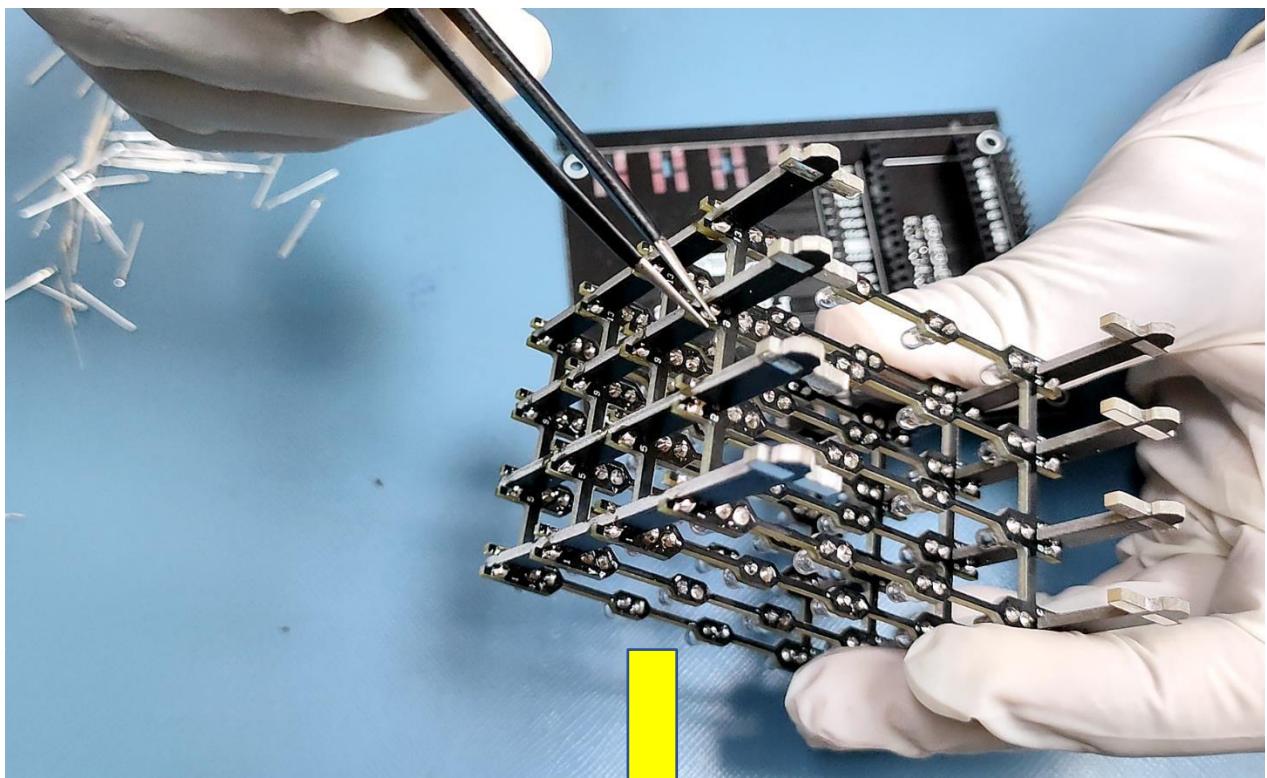


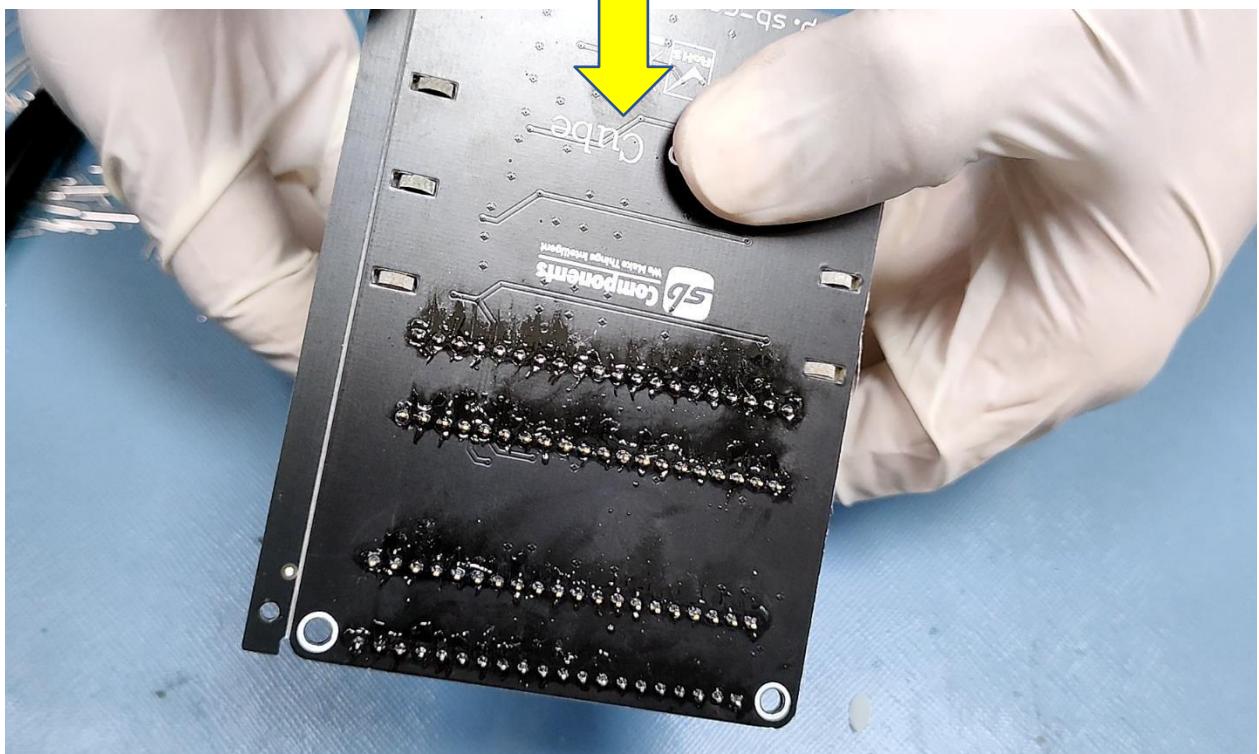
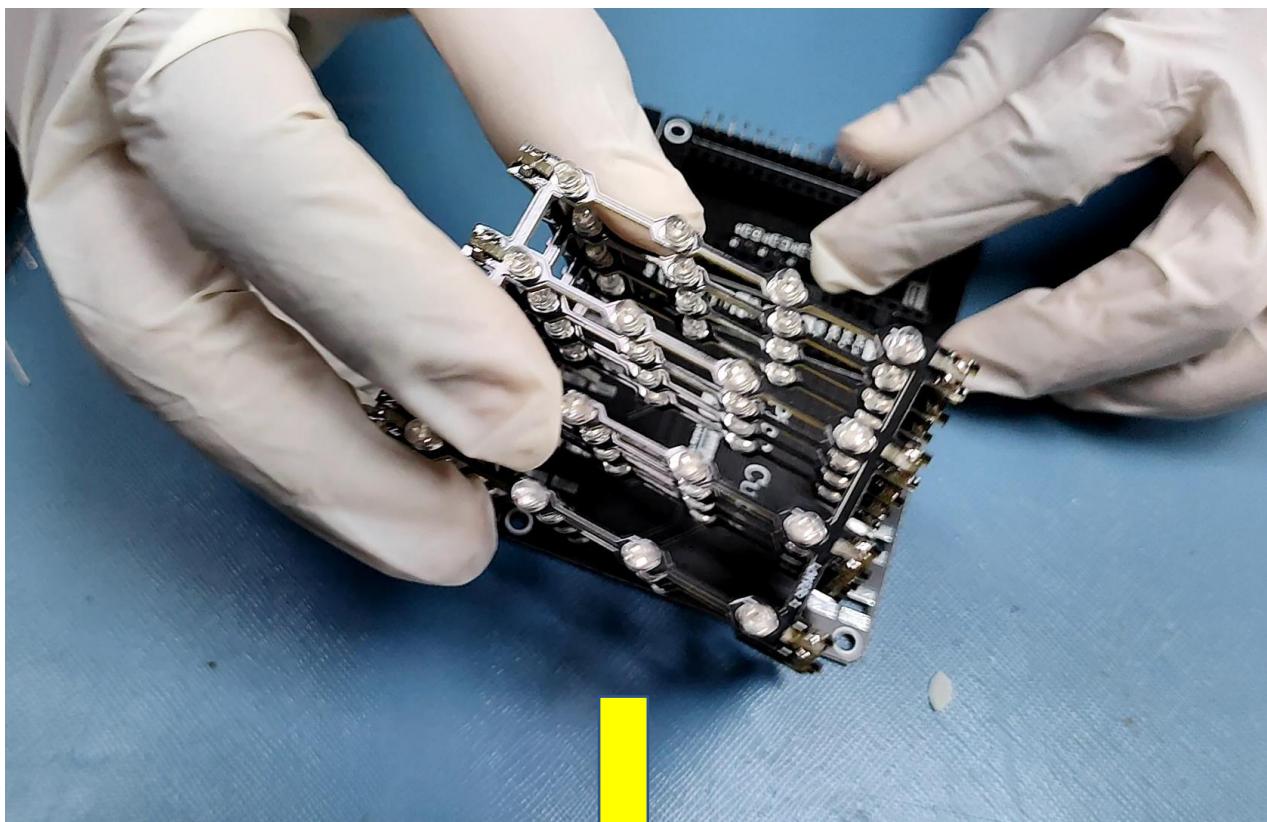


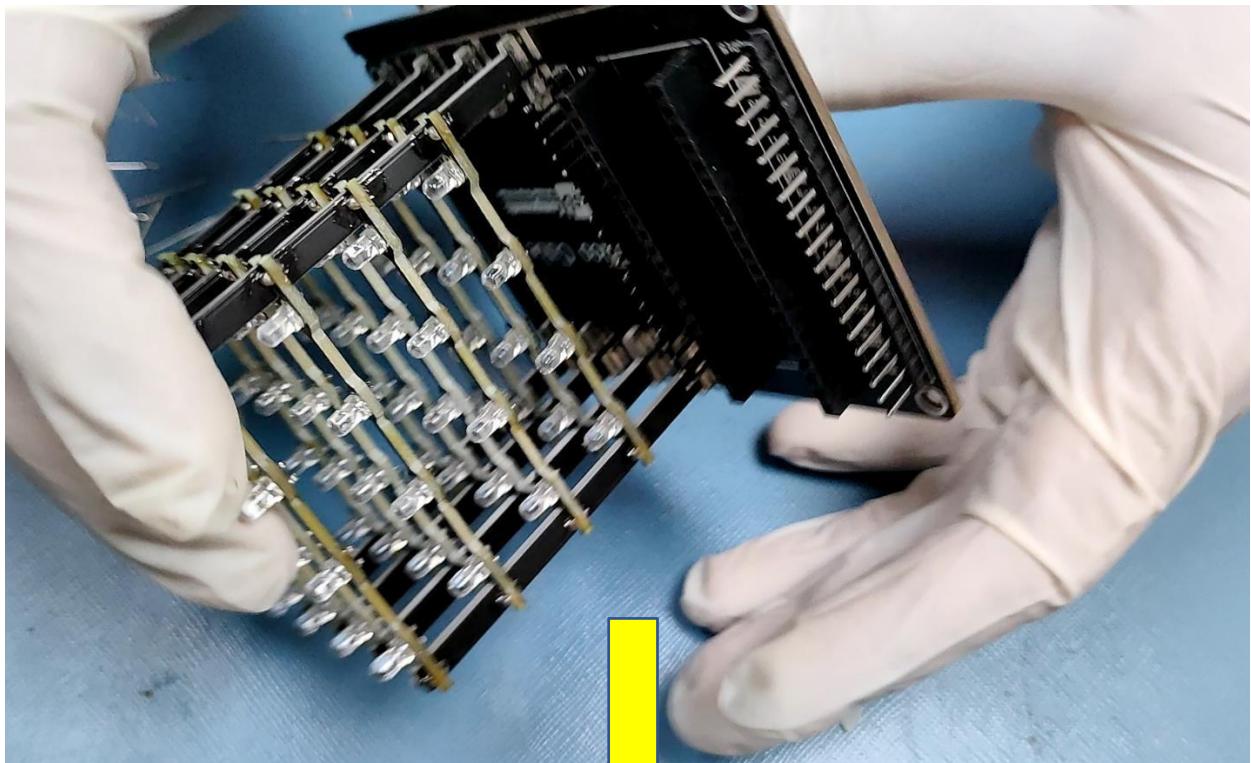


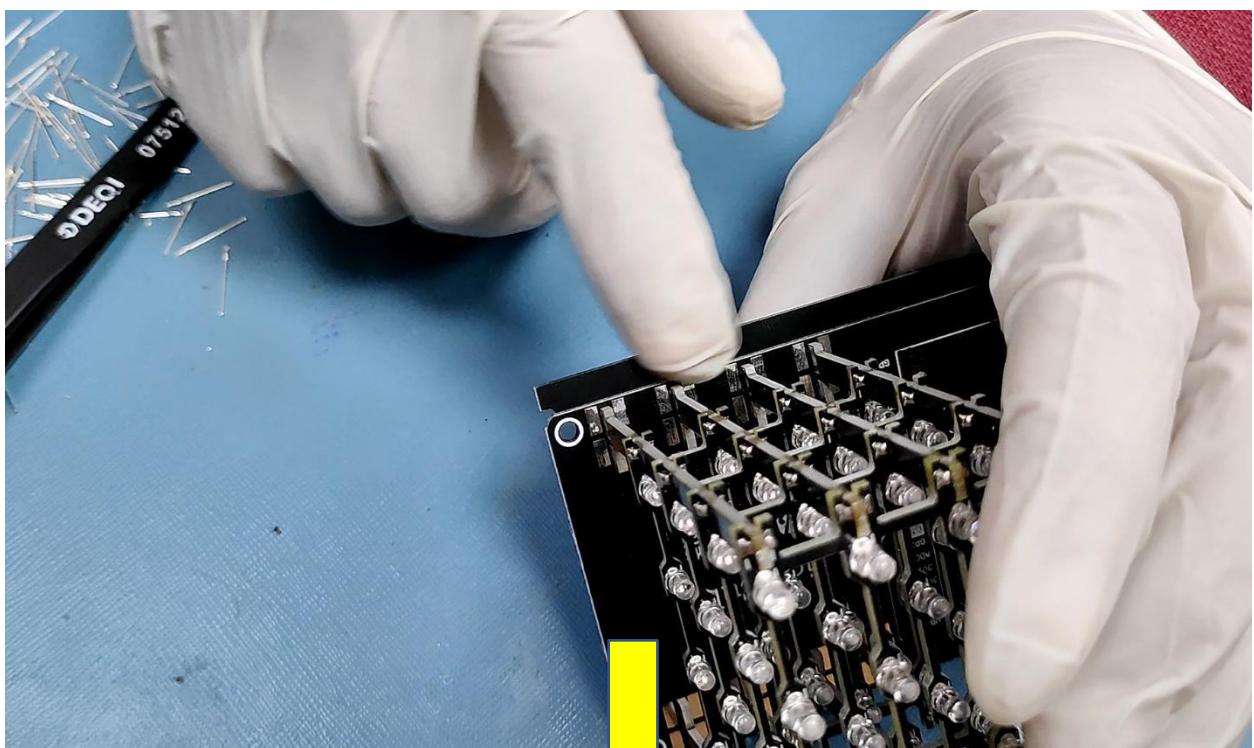
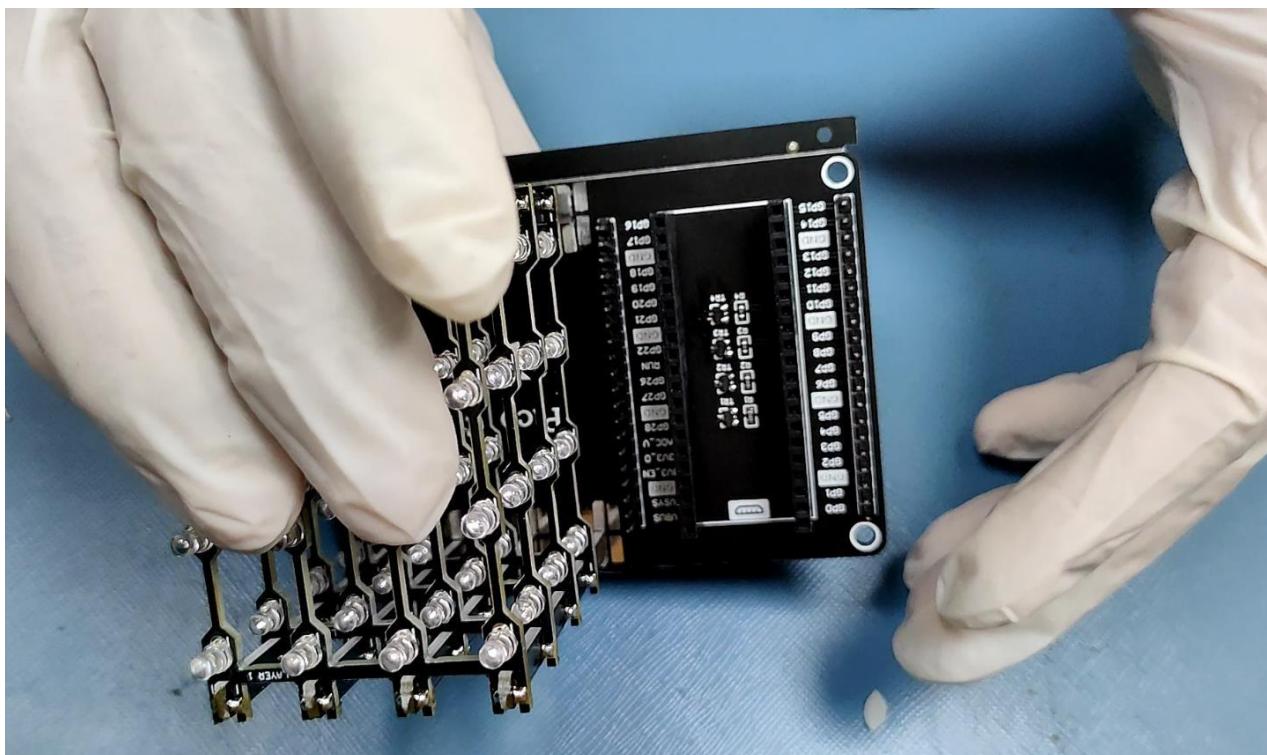


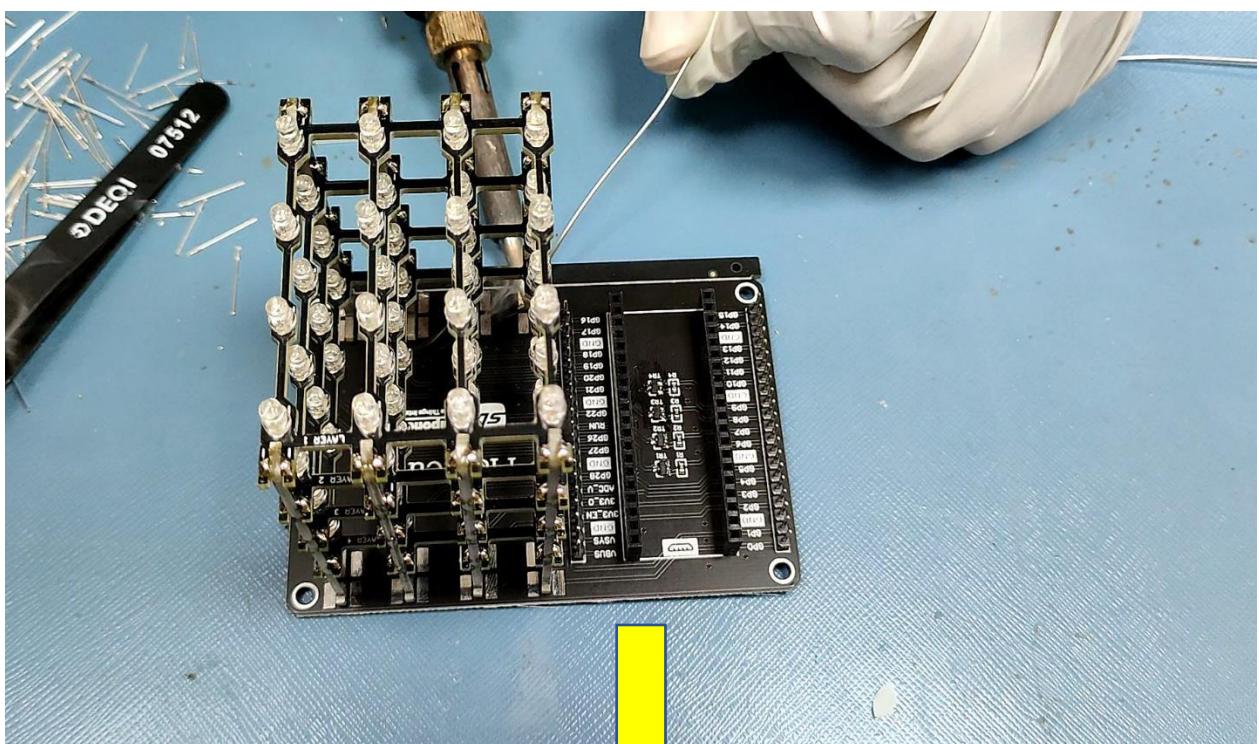
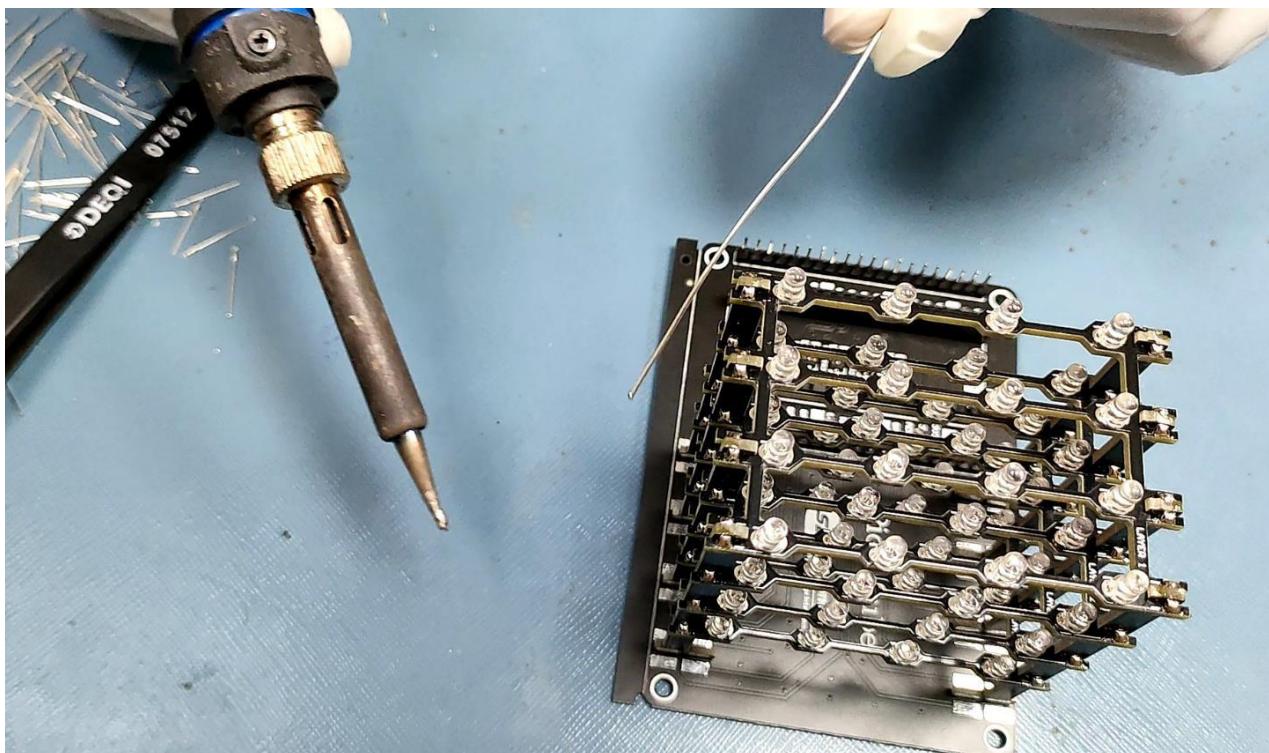


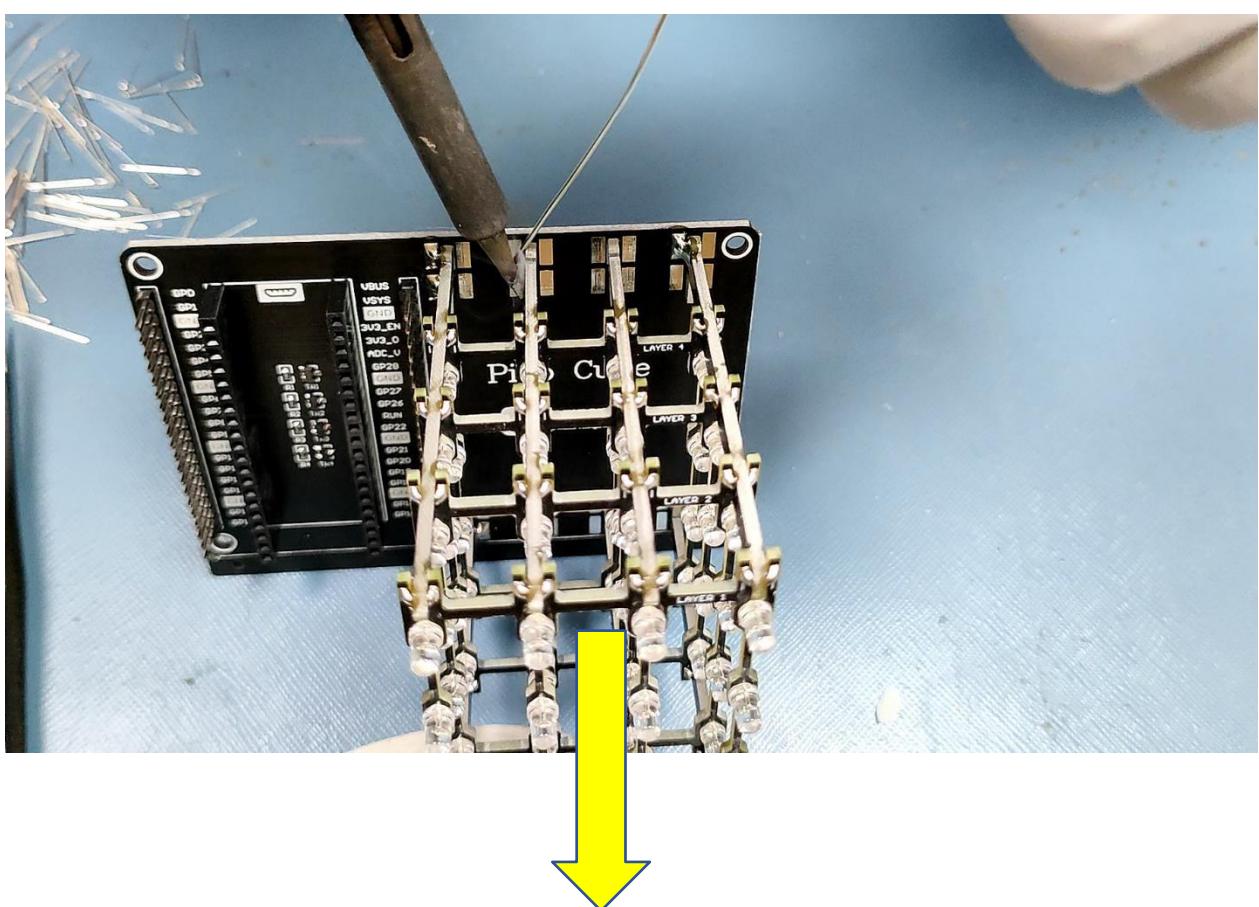
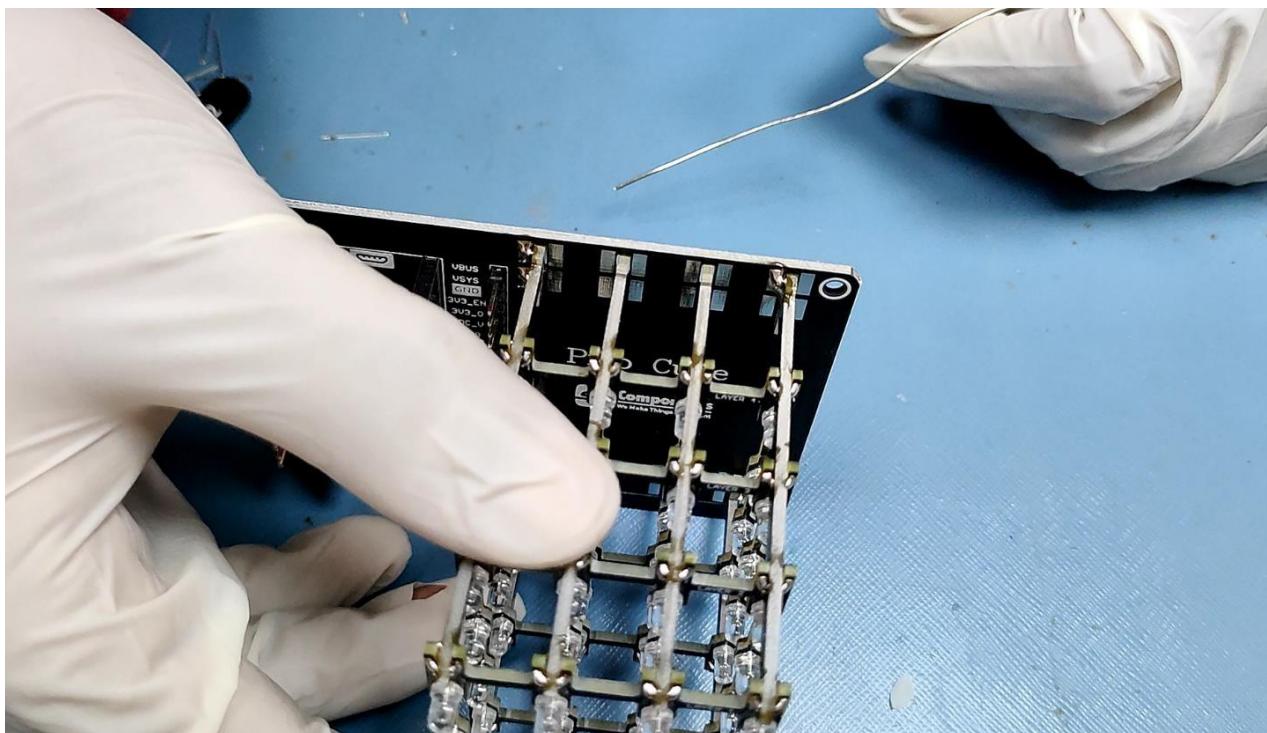


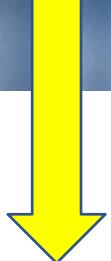
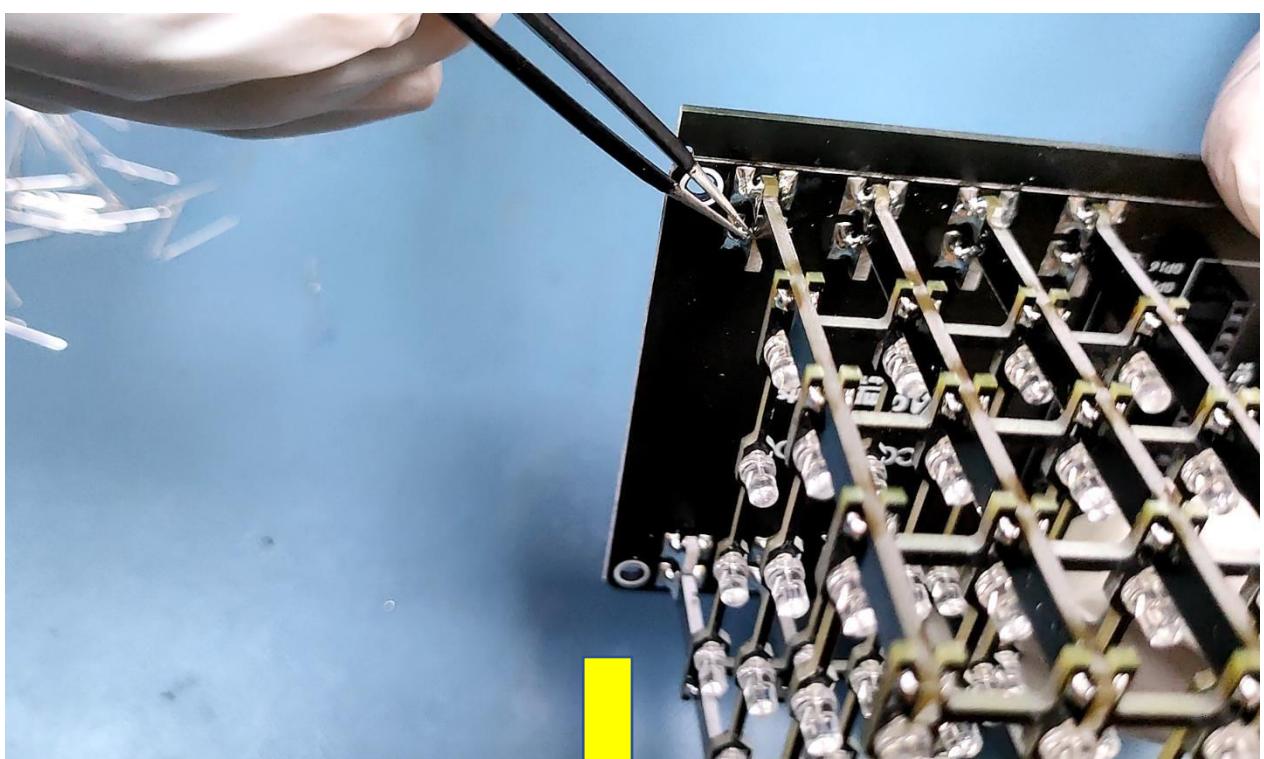
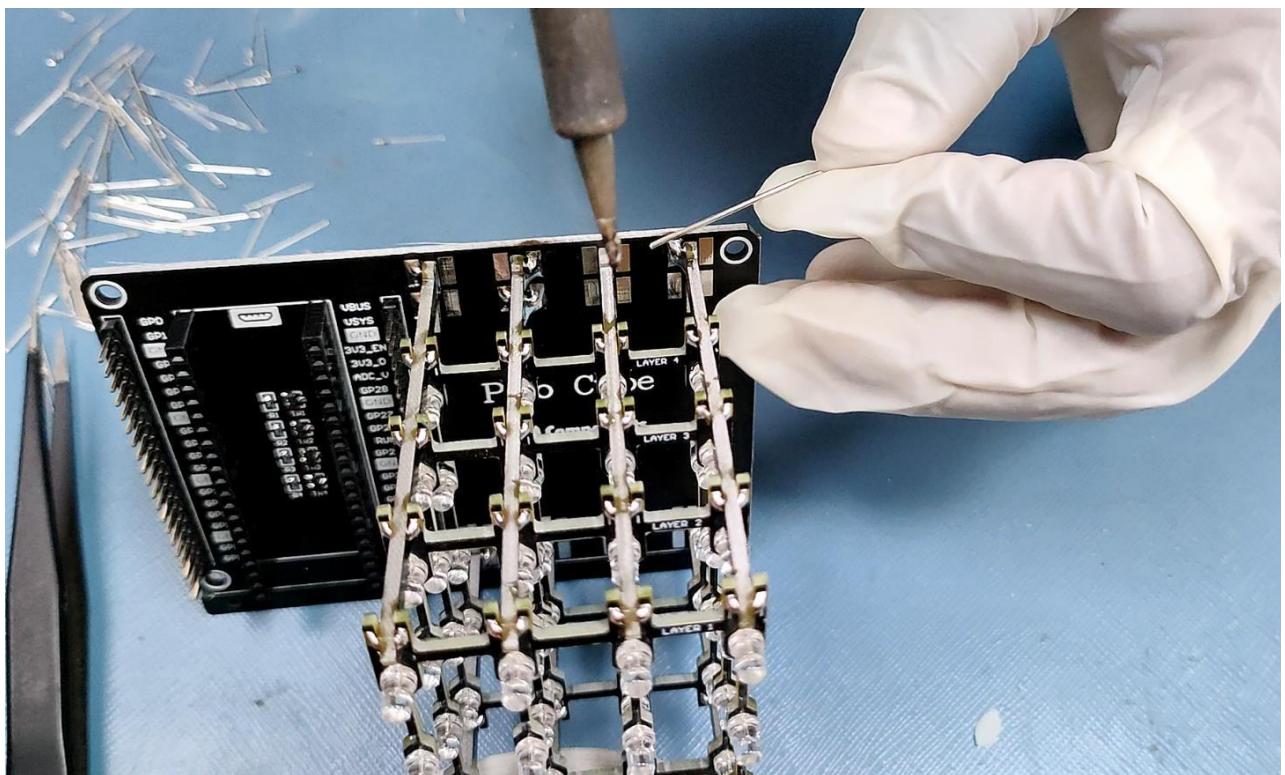


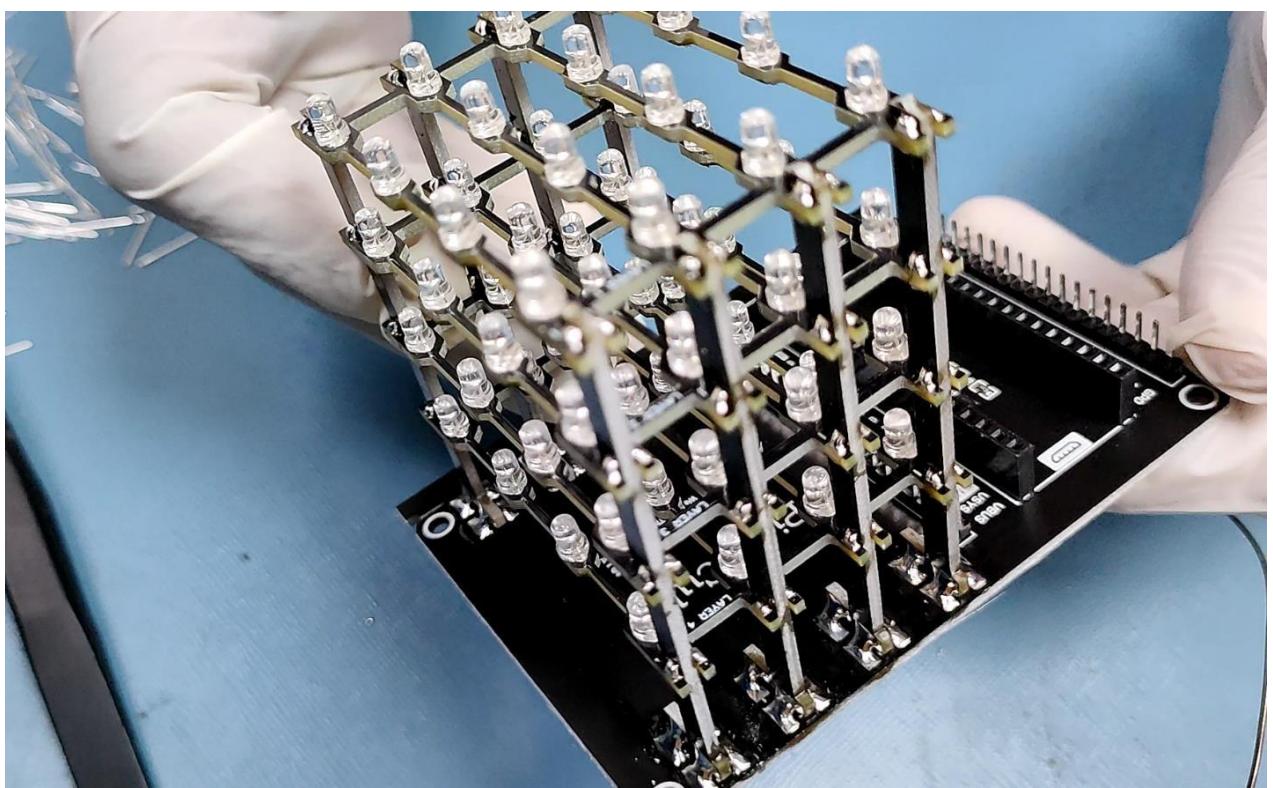
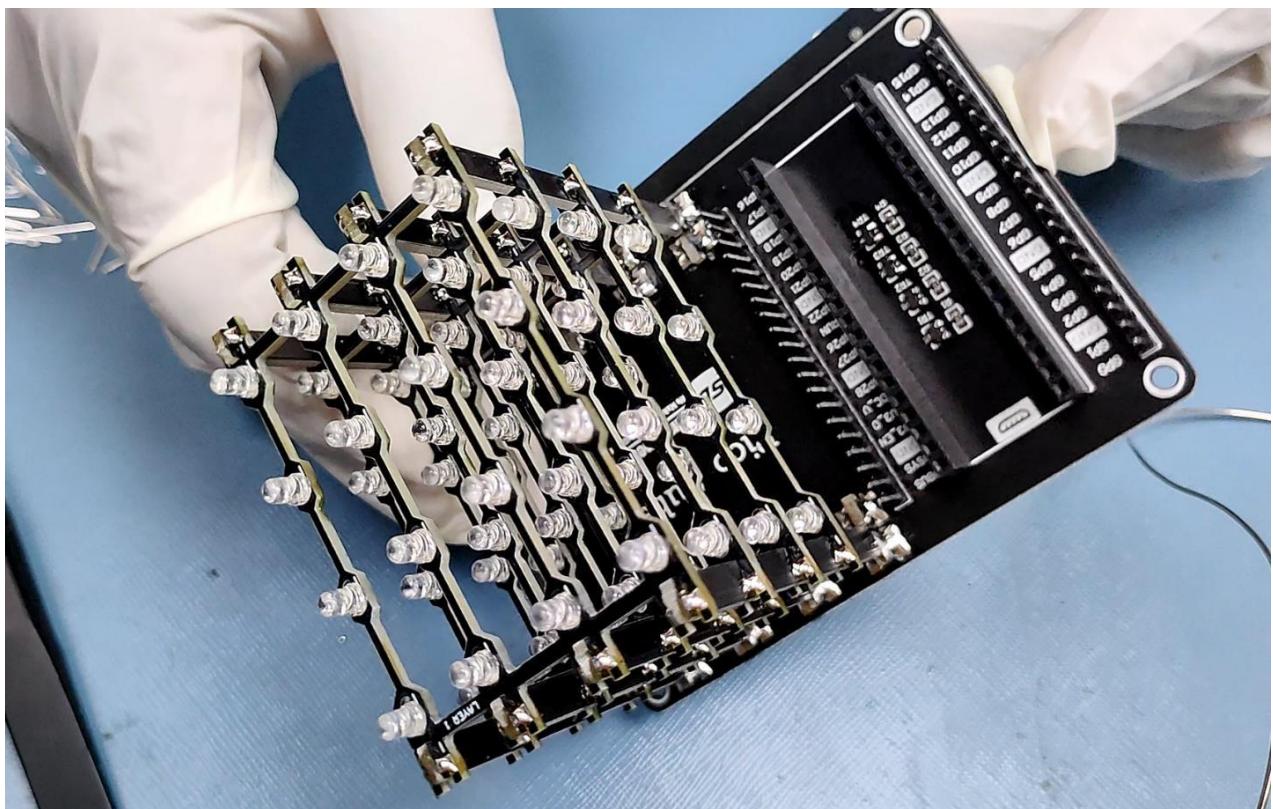












- All the parts are soldered now.

Working Piece

