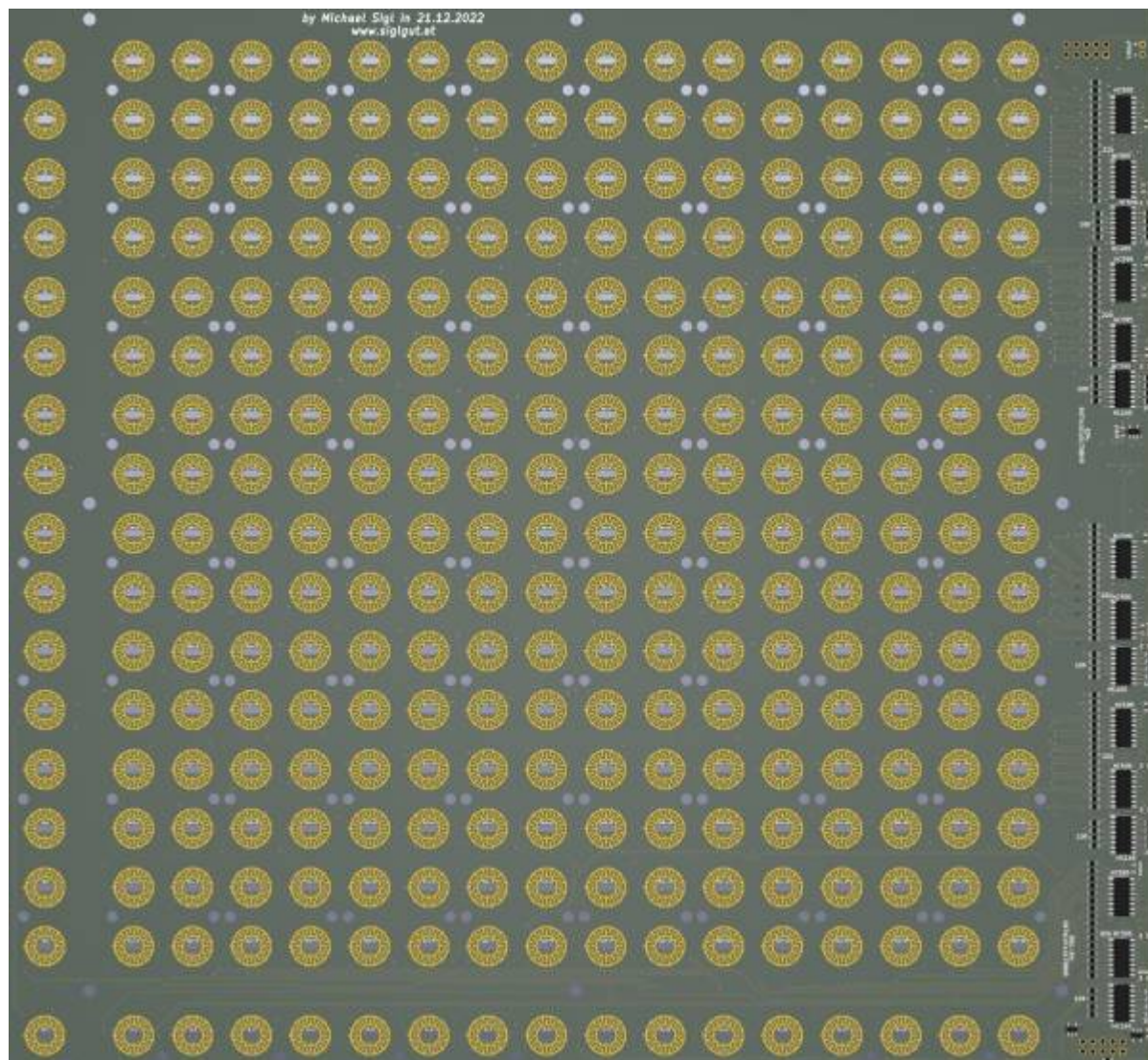
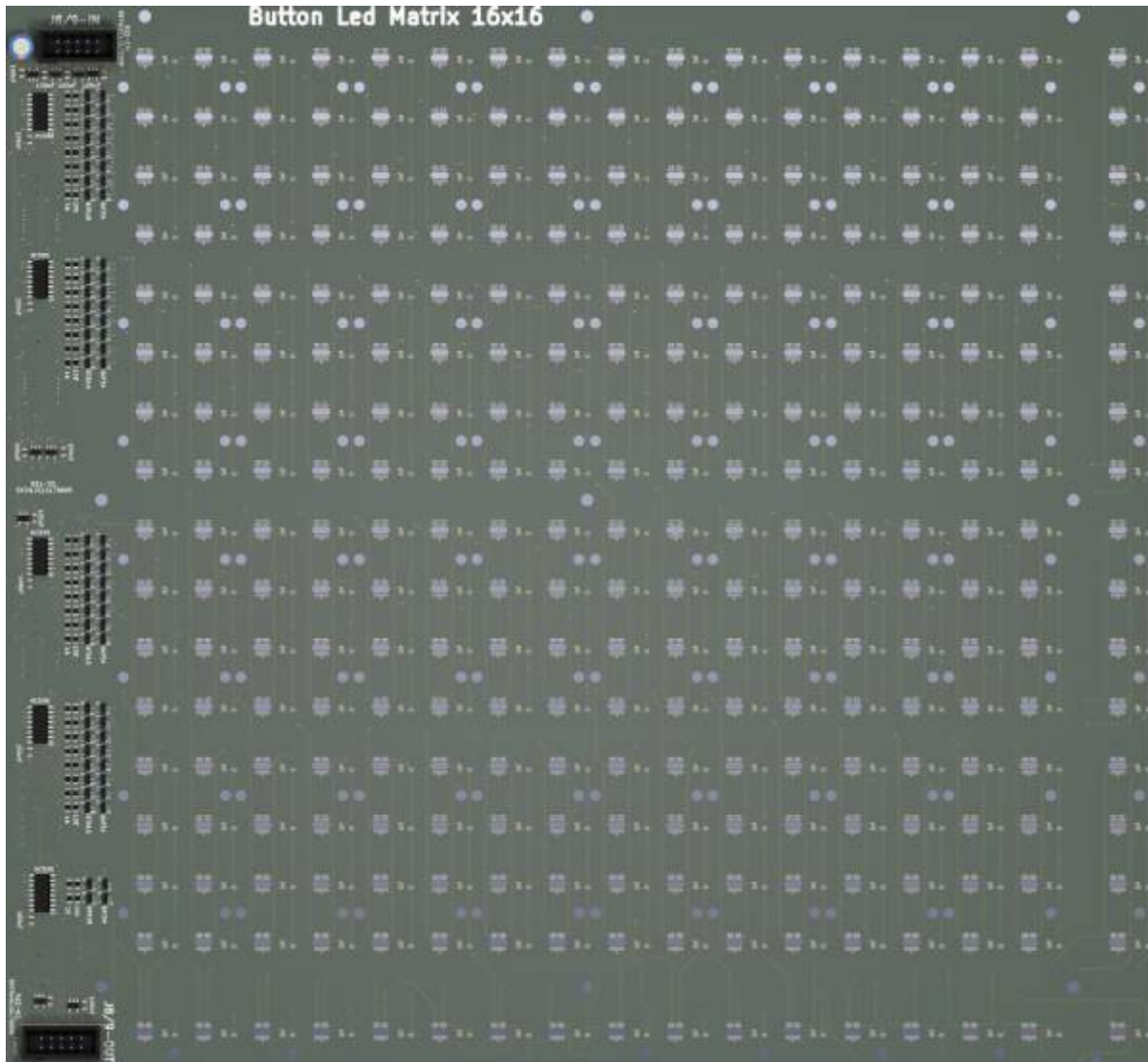


# BLM16x16+X V2 - Board





for [TriggerMatrix4](#) i used Latigid ONs PCB: [blm16x16\\_build\\_guide](#), but i had only 2 PCBs, one for me, and one finally got Maxim Anokhin (Limewax), in order to get more Triggermatrices into the world I made my own Version for the upcoming [triggermatrix5](#)

## Schematic

[blm16x16-schematic.pdf](#)

## Building and BOM

The Values are printet on the PCB.

[blm16x16-pcb-back.pdf](#)

[blm16x16-pcb-front.pdf](#)

## Order-List

copy following list into this [mouser.com-Link](#)

```
595-SN74LVC1G17DBVR|12
80-C0805C104M5R|32
710-860010273011|1
863-BAT54LT1G|34
595-SN74HC595DR|15
595-SN74HC165DT|5
710-61201021621|2
863-BC818-40LT1G|34
660-RK73B2ATTD102J|34
660-RK73B2ATTD103J|75
603-RC0805JR-13220RL|40
660-RK73H2ATTD56R0F|40
604-APTR3216ZGC|300
604-APTR3216QBC/D|300
621-1N4148WS-F|150
```

### Order from Reichelt:

2x [PinHeader 2x5Pin Female](#)

### Order from Adadruit:

19x [Silicone Elastomer 4x4](#)



Make Acrylic Distancer File - and post it here

## To Do

waiting for the Prototype to come, then solder hundreds off components

## Community users working on it

- [Phatline](#) = PCB & Schematic, UI-Programming, Documentation...

Just let a Private message on the forum to user already involved.

or join the forum: [Triggermatrix 5](#)

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