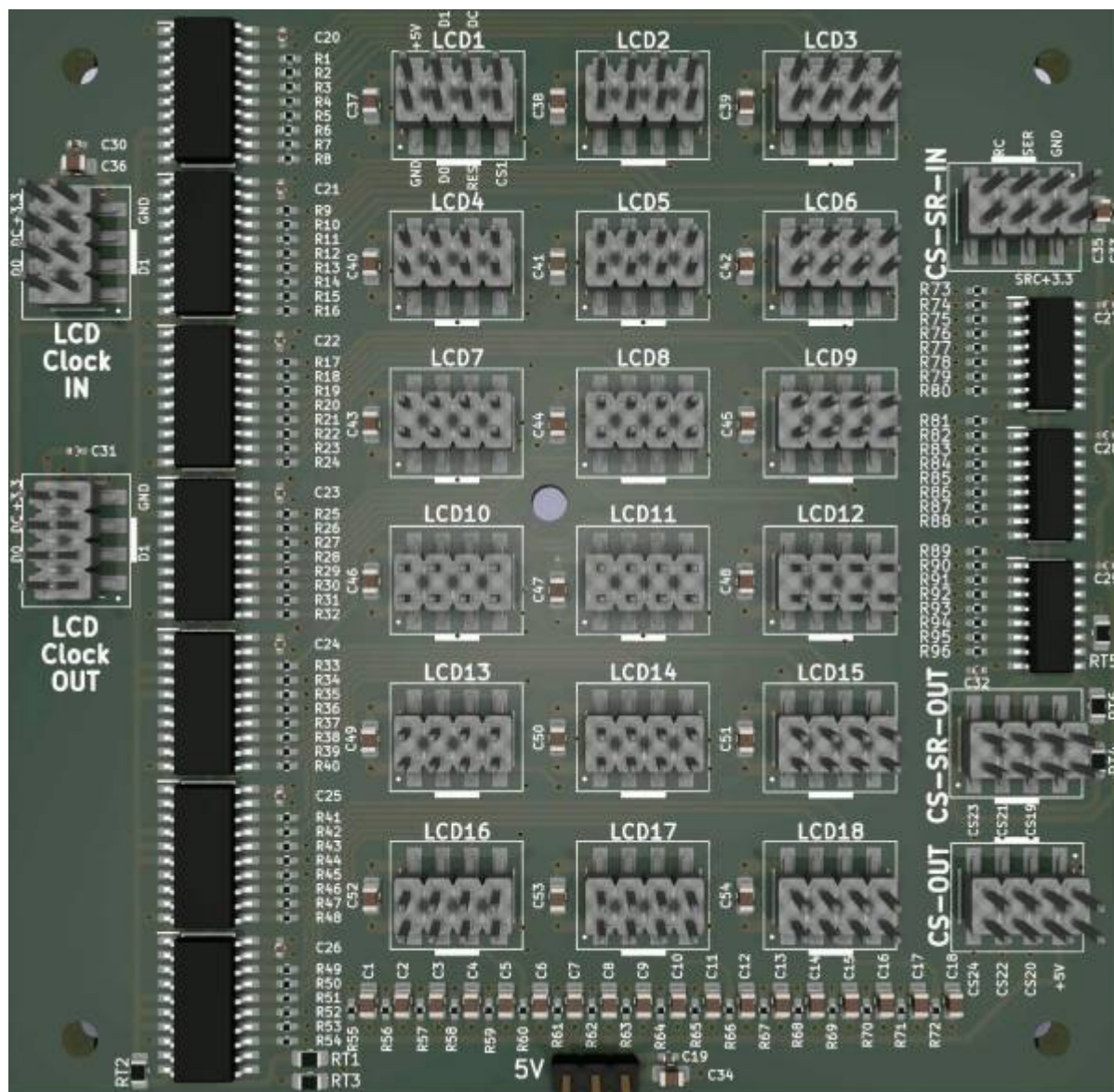


# Display Driver - Board - for 18 SSD1306 Screens





this is one essential part for my [triggermatrix5](#)

I need there 17 Displays, and i had good experiance with andys [display\\_driver](#)-board since i didnt want to solder this board by hand again - i created this board. its fully SMD, and made it pick and place ready - so no soldering required!

## Schematic

[display-driver-smd-schematic.pdf](#)



# Building and BOM

Follwing list is for reference, and debugging only, **no need to order them!** all the parts are already soldered on the PCB!

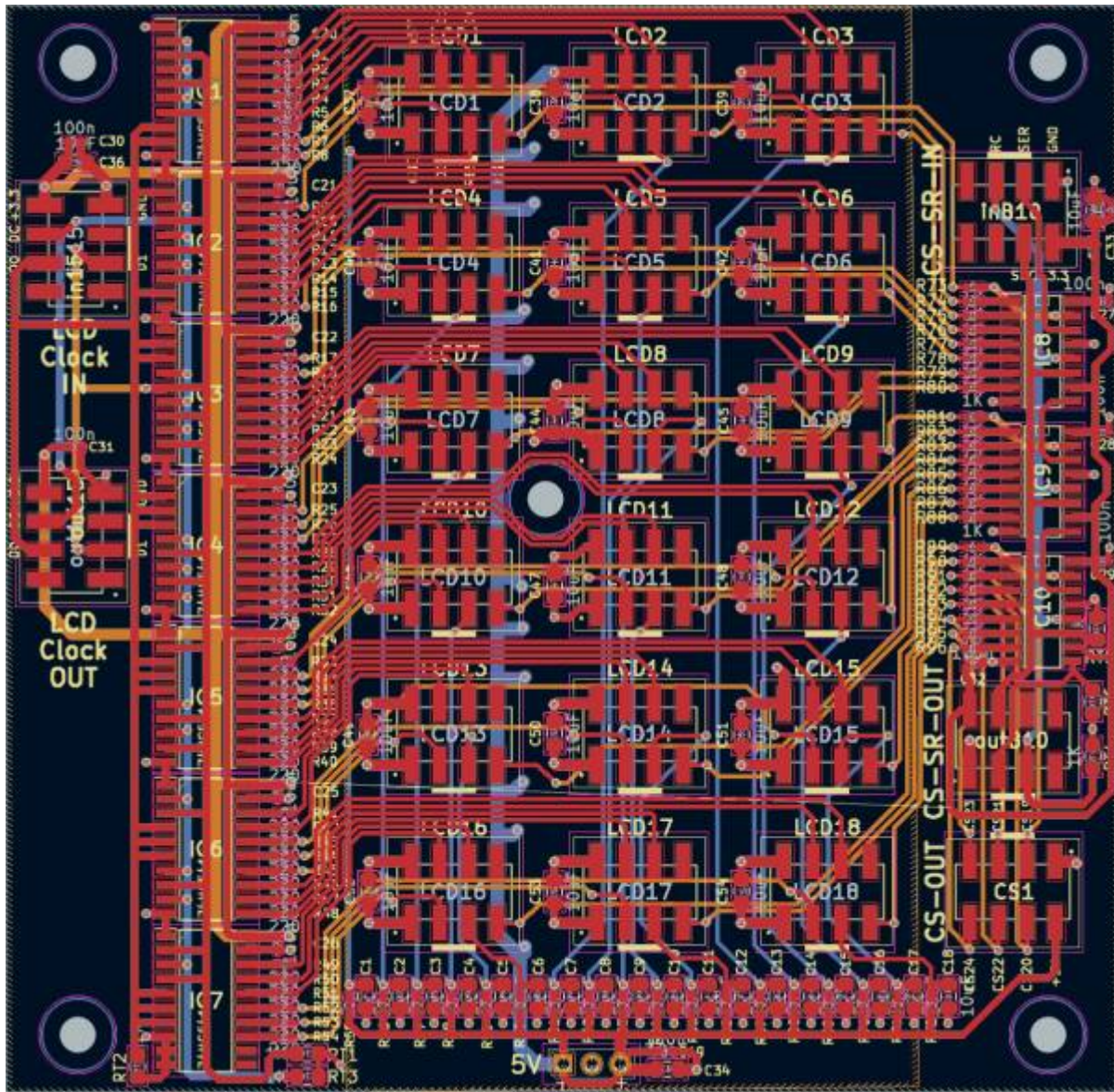
## BOM

| Comment   | Designator                    | Footprint                | LCSC            |
|-----------|-------------------------------|--------------------------|-----------------|
| 10uF      | C1-18,C34-54                  | 0805_C                   | CL21A106KAYNNNE |
| 100n      | C19-33                        | 0402_C                   | C307331         |
| -         | CS1,LCD1-18,inB10,outB10,in15 | PinHead-SMD-2,54mm Pitch | C192300         |
| SN74HC541 | IC1-7                         | SOIC127P780X200-20N      | C116811         |
| 74HC595   | IC8-10                        | SOIC-16                  | C5947           |
| 220 OHM   | R1-54                         | 0402_R                   | C25091          |
| 1K OHM    | R55-96                        | 0402_R                   | C11702          |

## Order-List

copy following list into this [mouser.com-Link](https://www.mouser.com)

710-61200823021|22



## To Do

waiting for the assembled Prototype

## 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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