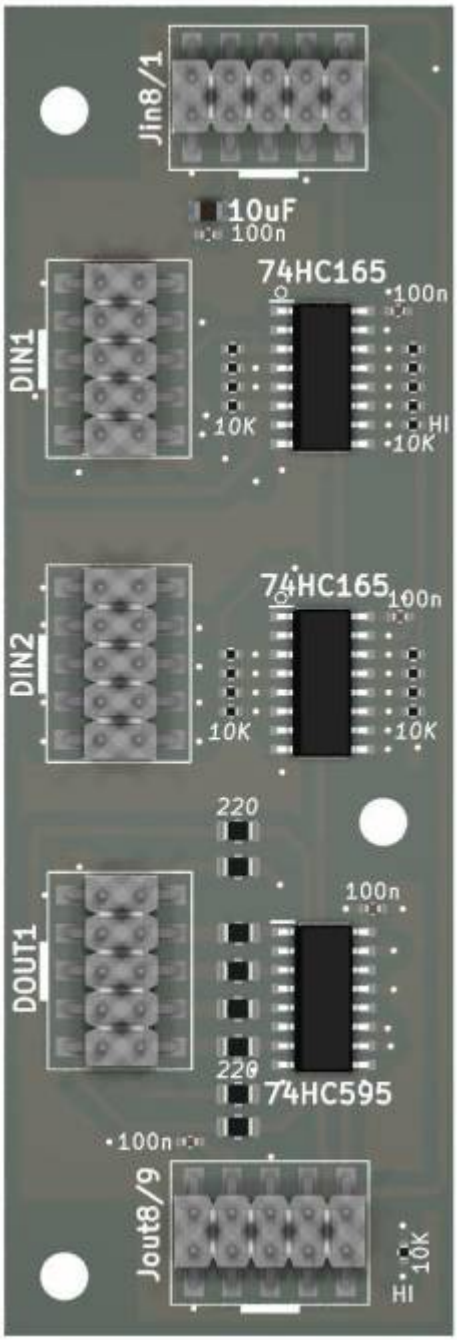
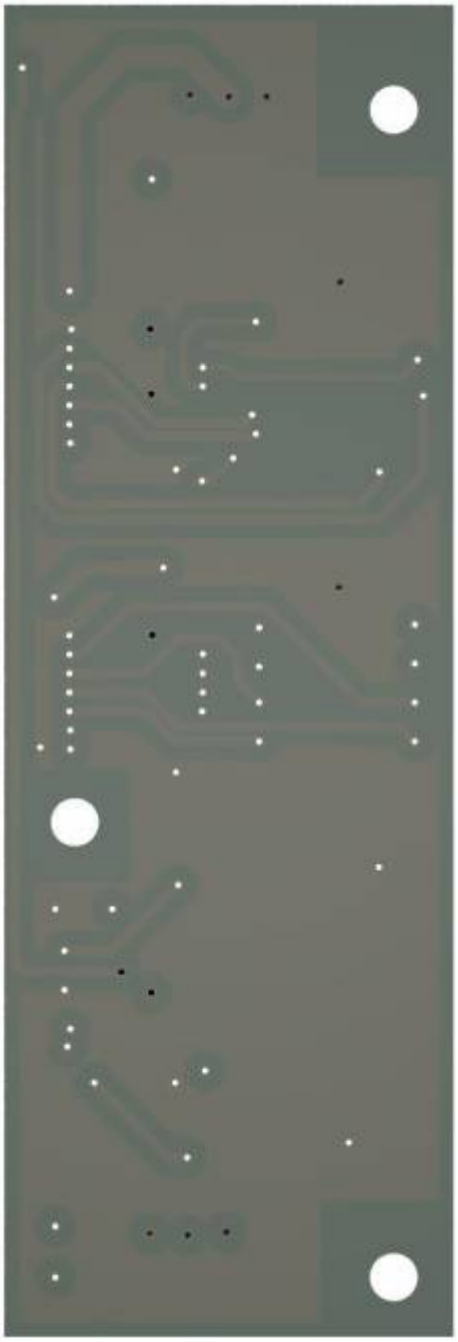
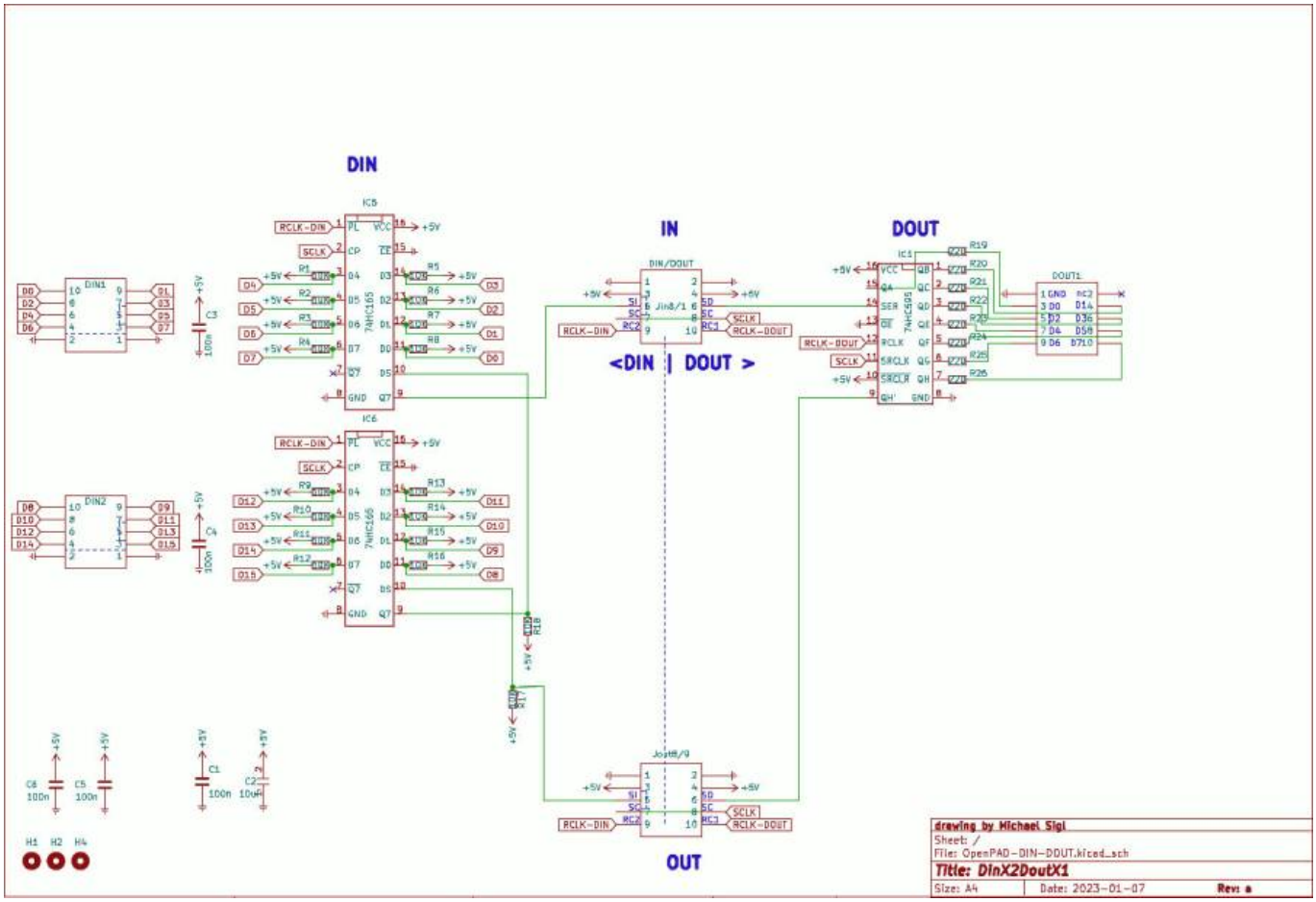
# DinX2DoutX1





**it gives;**
16 Digital Inputs
8 Digital Outputs
The Board is fully SMD, and made for pick and place - so no soldering required!

# Shematic



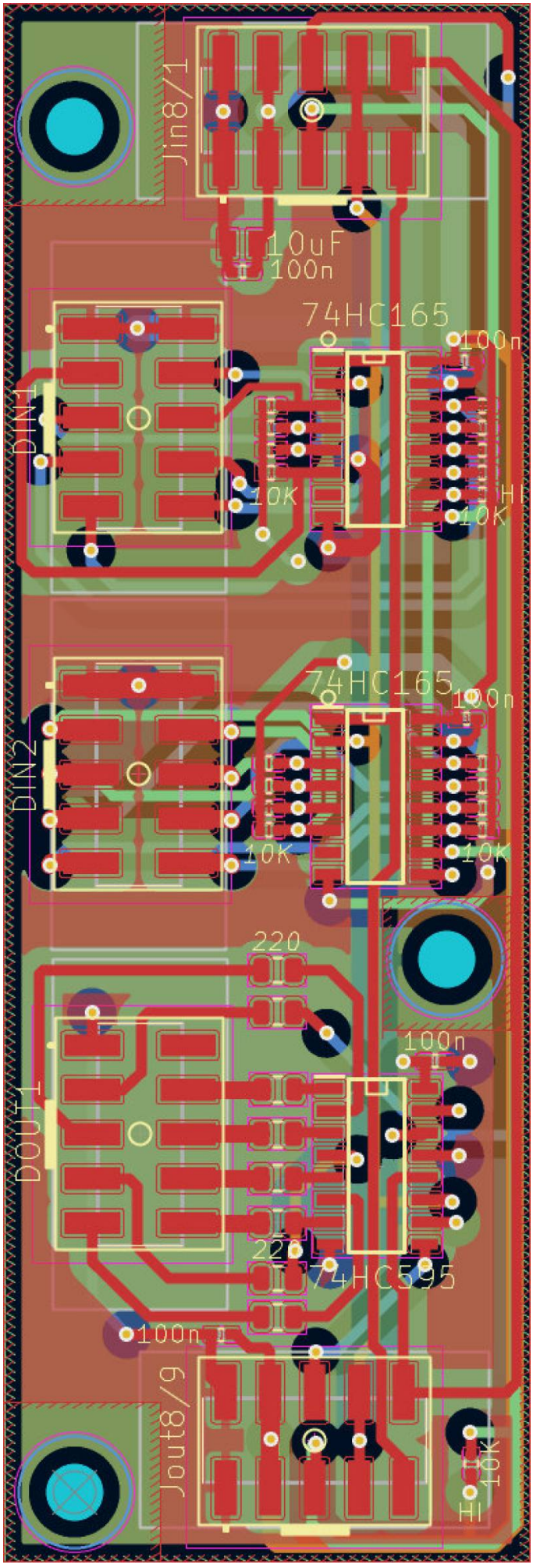

# Building and BOM

Its build by pick and place robots... so no need to build, or order any component
you need this PCB 1x for OpenPAD

## BOM

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

| Qty | Reference | Value | jlc | |
|---|---|---|---|---|
| 5 | C1, C3, C4, C5, C6 | 100n | C307331 | 81-GRM155R61E104KA7J |
| 1 | C2 | 10uF | C440198 | 81-GRM21BR61H106KE3K |
| 2 | DIN1,DIN2 | Gates | C124391 | 649-1012938391001ALF |
| 3 | DOUT1, Jin8/1, Jout8/9 | DIN/DOUT C124391<br>649-1012938391001ALF | | |
| 1 | IC1 | 74HC595 | C5947 | 595-SN74HC595DR |
| 2 | IC5, IC6 | 74HC165 | C5613 | 595-SN74HC165DRG3 |
| 18 | R1-R18 | 10K | C25744 | 303-0402WGF1002TCE |
| 8 | R19-R26 | 220 | C25294 | |


Jin8/1
10uF
100n
74HC165
100n
DIN1
10K
HI
10K
74HC165
100n
DIN2
10K
10K
220
100n
DOUT1
220
74HC595
100n
Jout8/9
10K
HI

# To Do

waiting for the assembled Prototype

# Community users working on it

- **Phatline** = PCB & Shematic, 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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