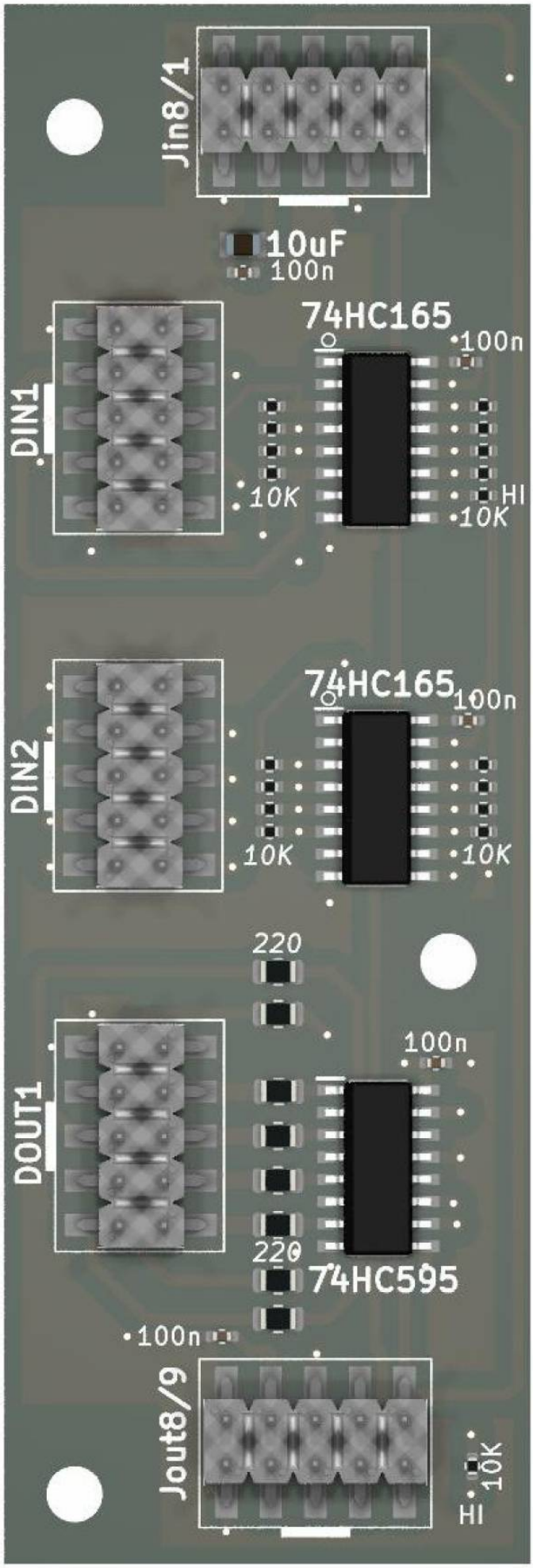
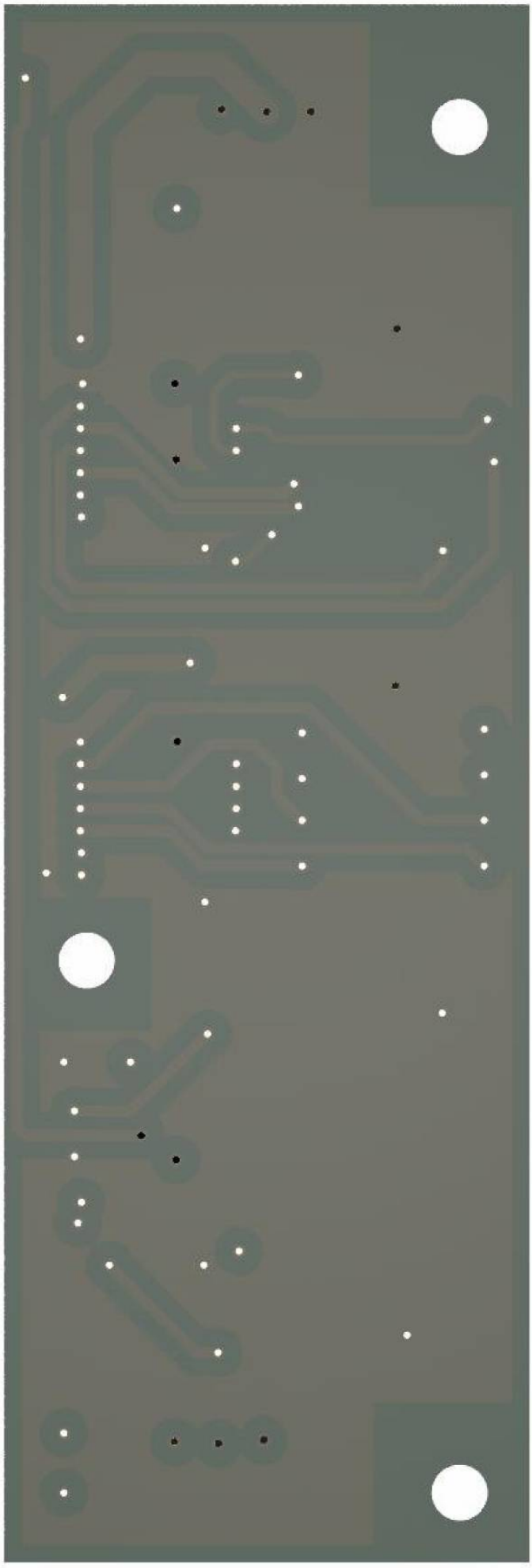
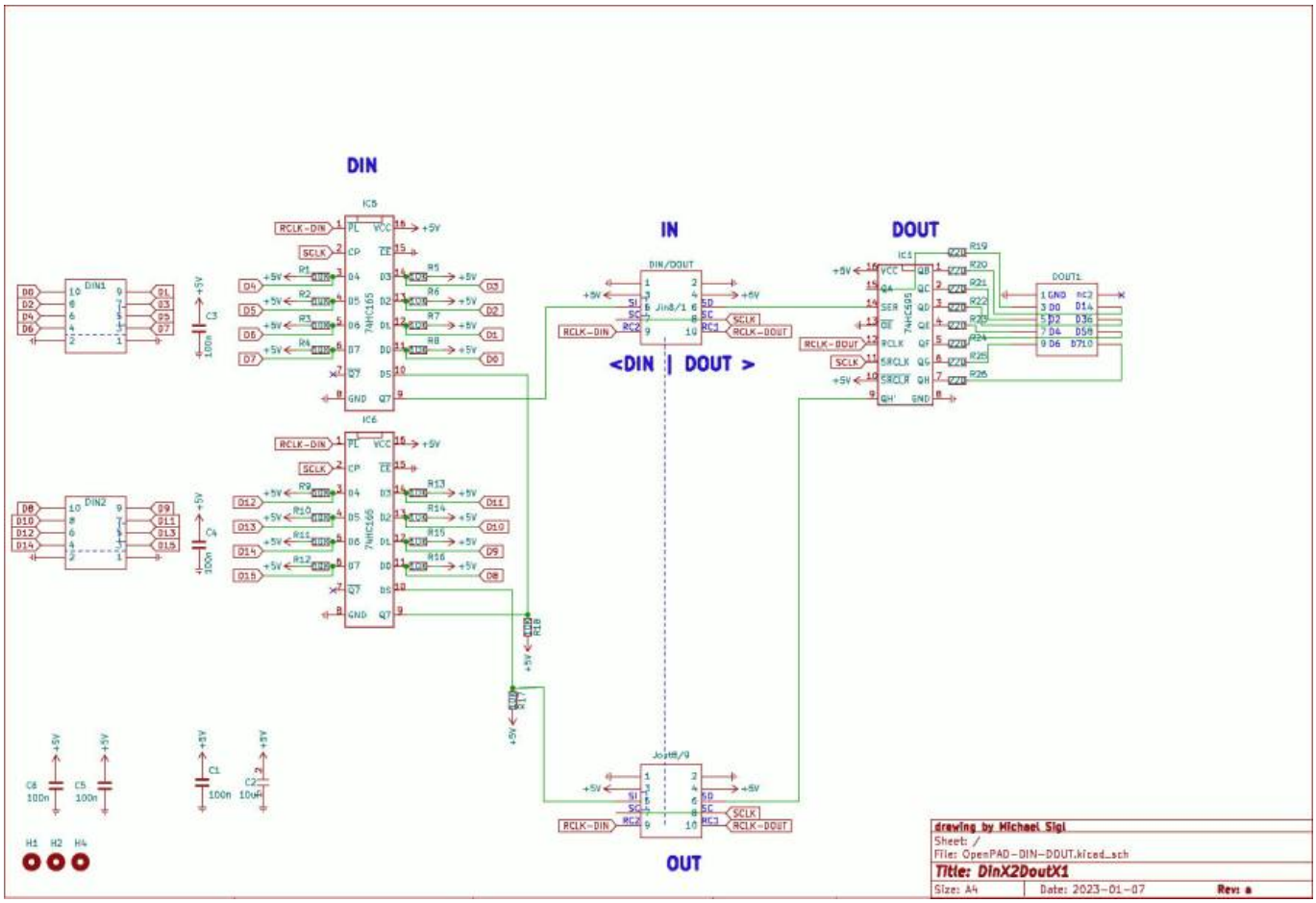
DinX2DoutX1


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



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

Shematic



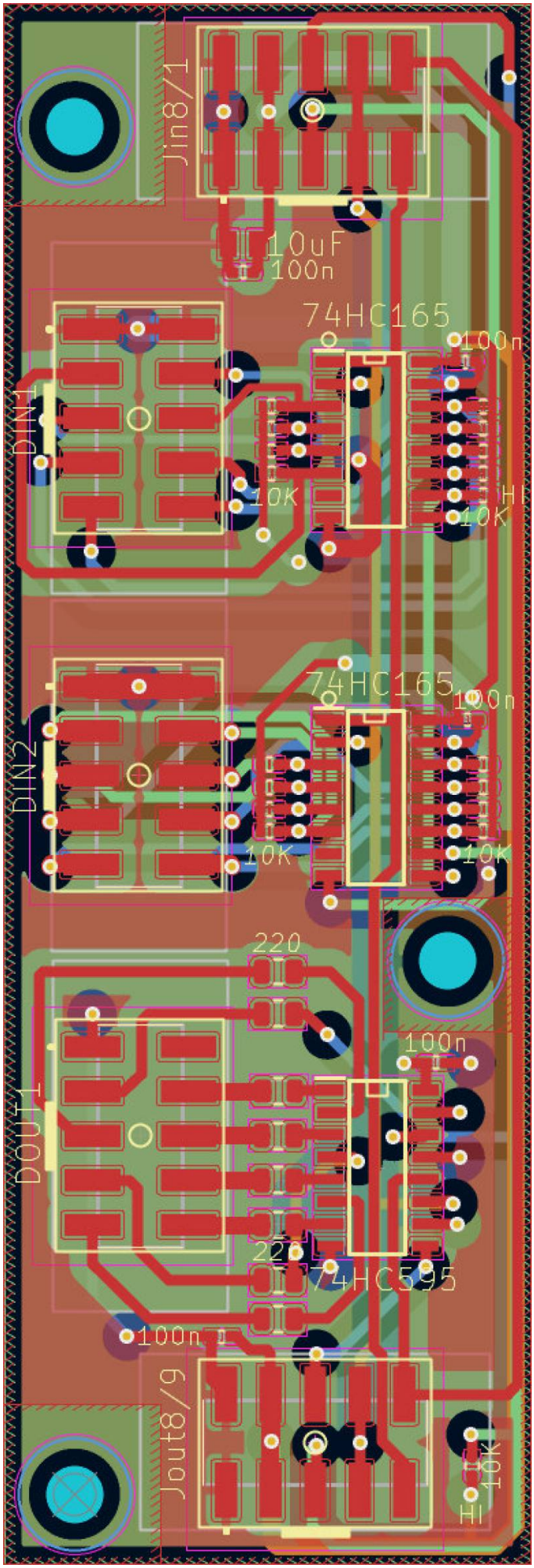
Building and BOM

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 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

From:
https://midibox.org/dokuwiki/ - **MIDIbox**

Permanent link:
https://midibox.org/dokuwiki/doku.php?id=doutx2dinx1&rev=1673226361

Last update: **2023/01/09 01:06**