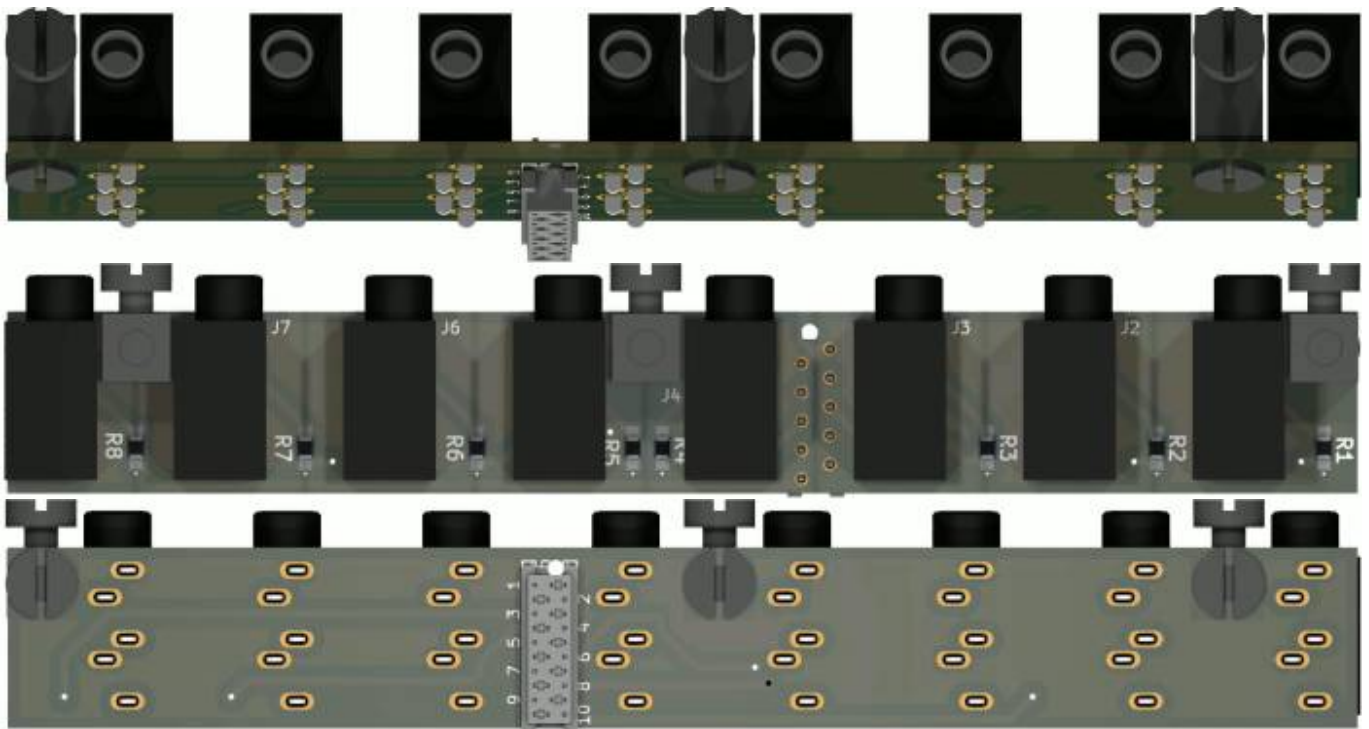
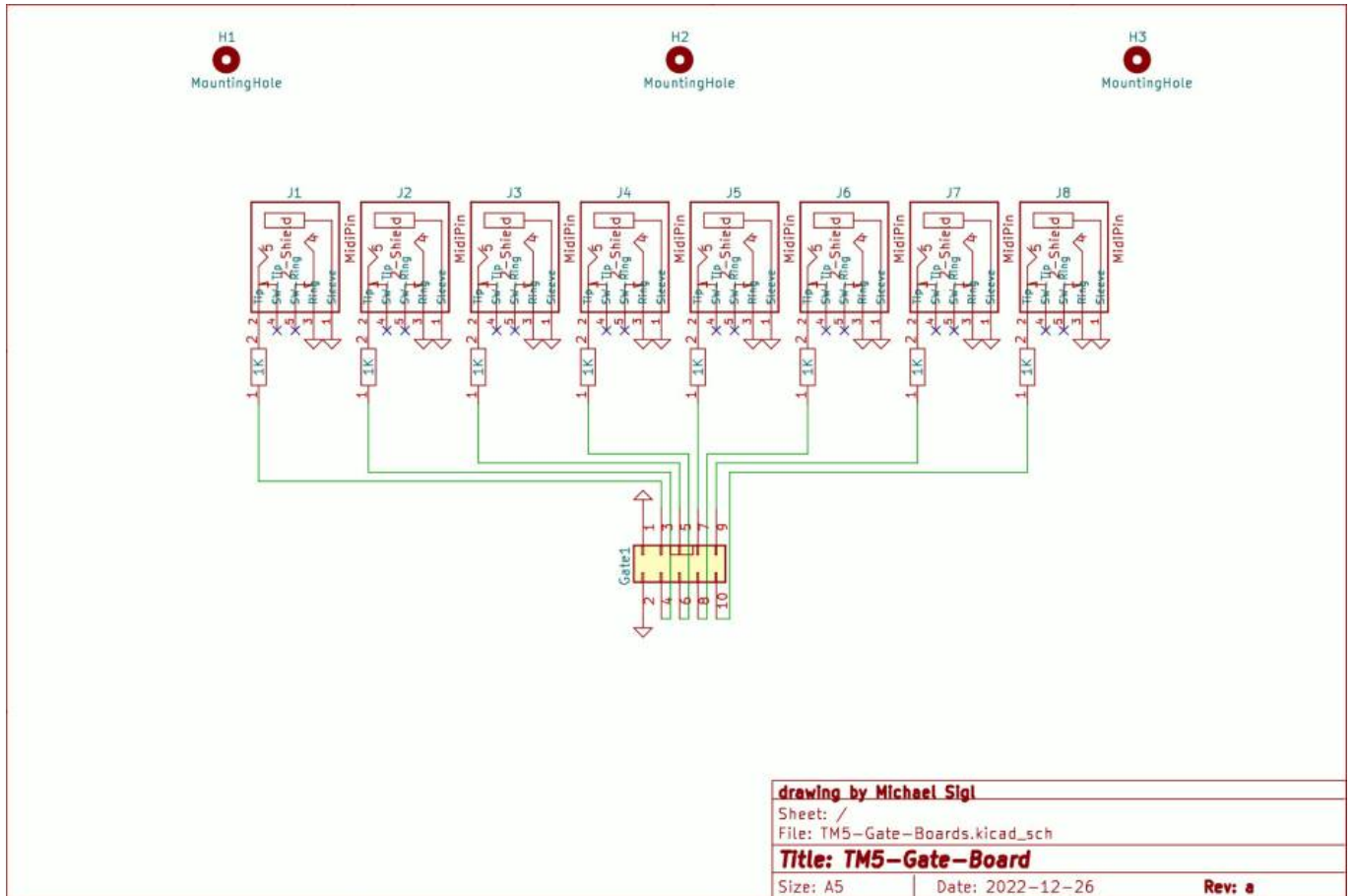


# TM5 Gate-Expansion



This are the Gate In/Out boards, 4 off them are needet to get 16x Gate-input/Trigger, and 16x Gate-Output

## Schematic



# Building and BOM

You need this PCB 4times

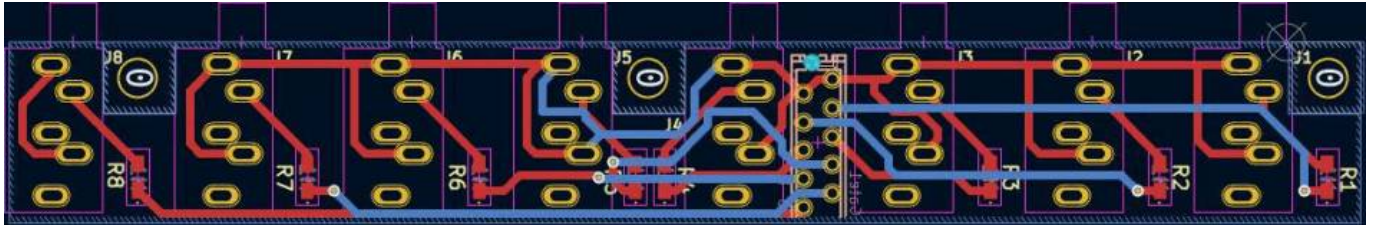
## BOM

qty	reference	value	footprint	MouserPartNr
1	Gate1	Header-2x5-Micromatch	Header-2x5-Micromatch	571-1-2178710-0
8	J1-J8	3.5Jack for Gates	3-5JACK-CUI_SJ1-3535NG	490-SJ1-3535NG
8	R1-R8	1K	R-1K-0805-250mW	667-ERJ-P06J102V

ok this is a list for one PCB, for Triggermatrix you need that 4times!  
copy following list into this [mouser.com-Link](https://www.mouser.com)

```
571-1-2178710-0|4
490-SJ1-3535NG|32
667-ERJ-P06J102V|32
```

The 3x Montage Blocks H1,H2,H3 \* 4 = 12 - is already included in the [triggermatrix5](#) - BOM!



## To Do

waiting for Prototype PCB

## 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](#)

From:

<https://wiki.midibox.org/> - **MIDIbox**

Permanent link:

<https://wiki.midibox.org/doku.php?id=tm5-gate-board&rev=1672252928>

Last update: **2022/12/28 18:42**

