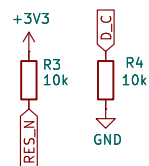


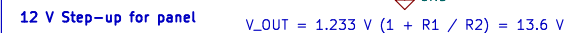


When plugging the display directly into a PMOD port, be aware that the columns (even and odd pin numbers) will be swapped compared to the PMOD standard

For a matching cable, search for:  
FC-FD DC4 IDC 2.54mm pitch Male  
to Female connector

[illegible]

File: switches.kicad\_sch



H16 D2.7 H17 D2.7 H21 D2.7 H22 D2.7  
H1 D2.7 H12 D2.7 H32 D2.7 H40 D2.7

Sheet: /  
File: ui\_board\_1u.kicad\_sch

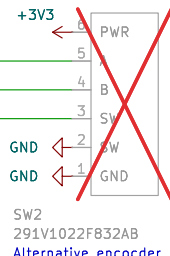
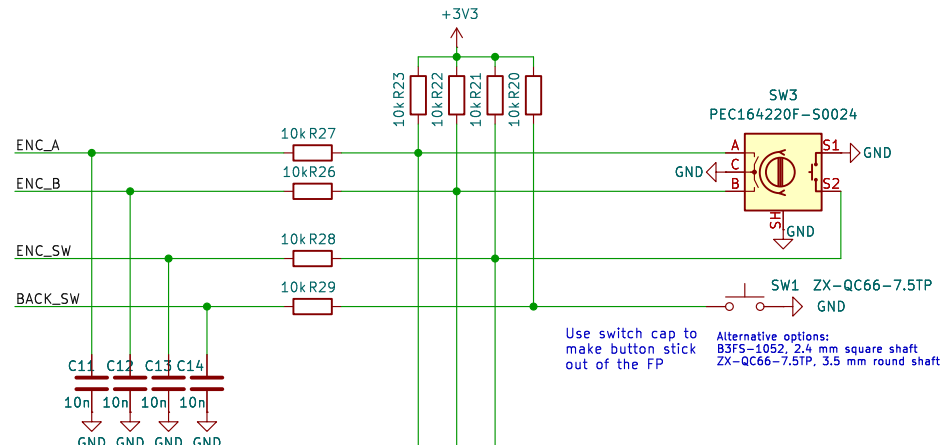
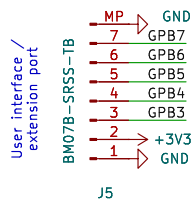
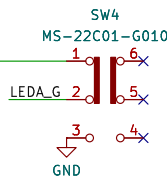
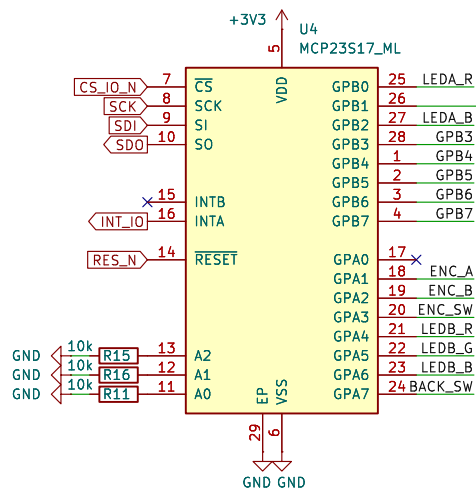
**Title:** *ui\_board\_1u – User interface board*

Size: A4	Date: 2025-12-17
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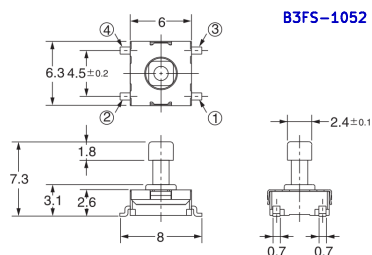
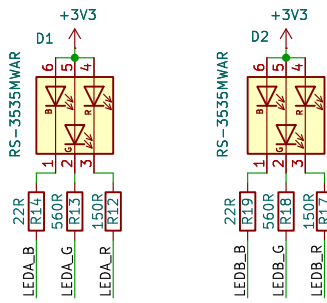
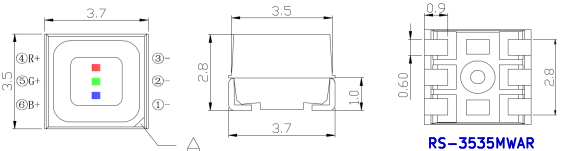
Size: 11	Date: 202
KiCad E.D.A. 9.0.0-rc3-dirty	

Rev: -

Id: 1/2



RS-3535MMWAR	R	G	B
Lum @ 20 mA [mcd]	950	2200	500
Lum target [mcd]	400	400	400
I target [mA]	8.0	1.8	13.0
V FWD [V]	2.0	2.3	3.0
R [Ohm]	162.5	555.6	25.4
R chosen [Ohm]	150	560	22



**Betz Engineering**

Sheet: /Switches and LEDs/  
File: switches.kicad\_sch

**Title: ui\_board\_1u - User interface board**

Size: A4	Date: 2025-12-17	Rev: -
KiCad E.D.A. 9.0.0-rc3-dirty		Id: 2/2