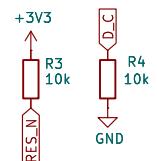
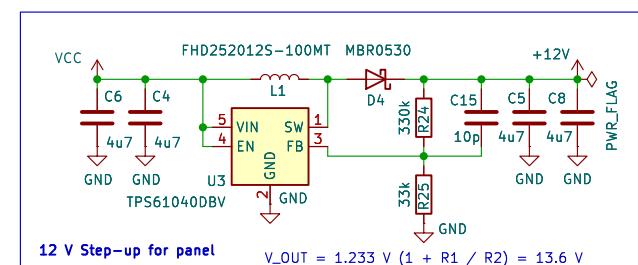
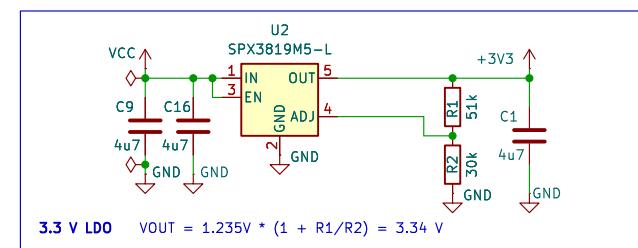
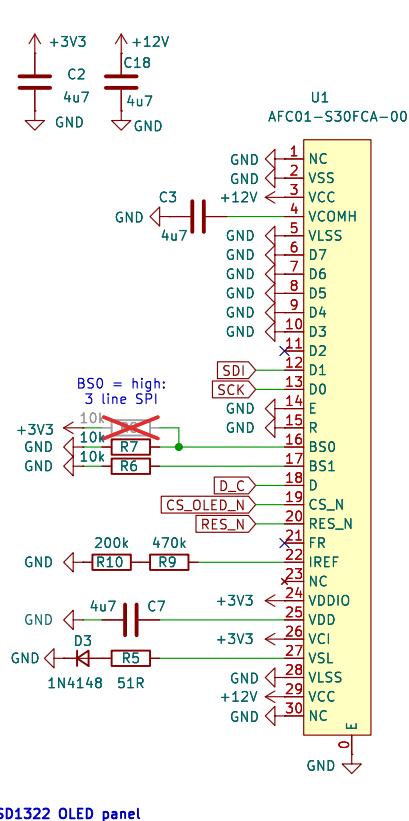


Use IDC ribbon-cable to get a
1:1 connection to a PMOD2A host

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



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Sheet: /

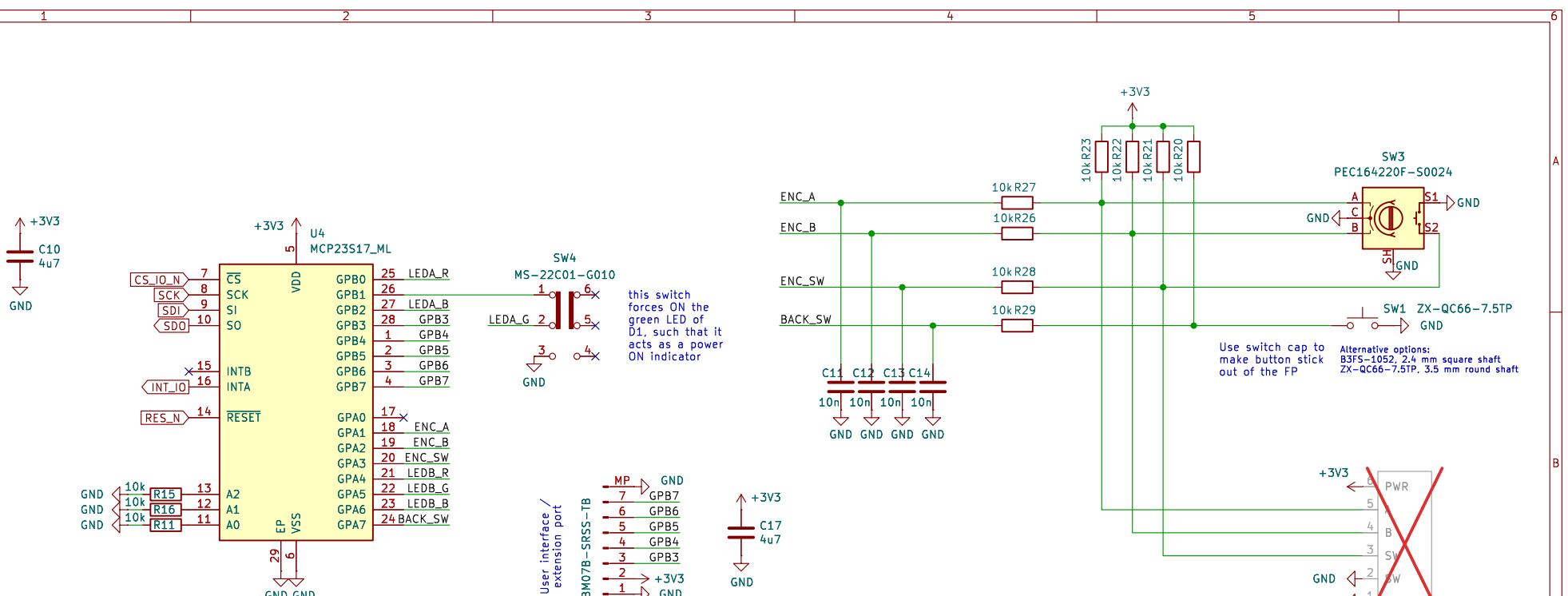
Title: ui_board_1u - User interface board

Size: A4 Date: 2025-12-17

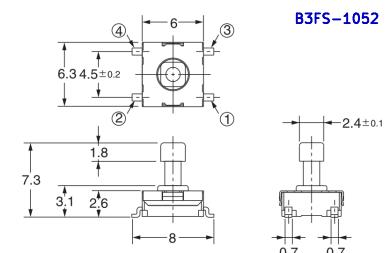
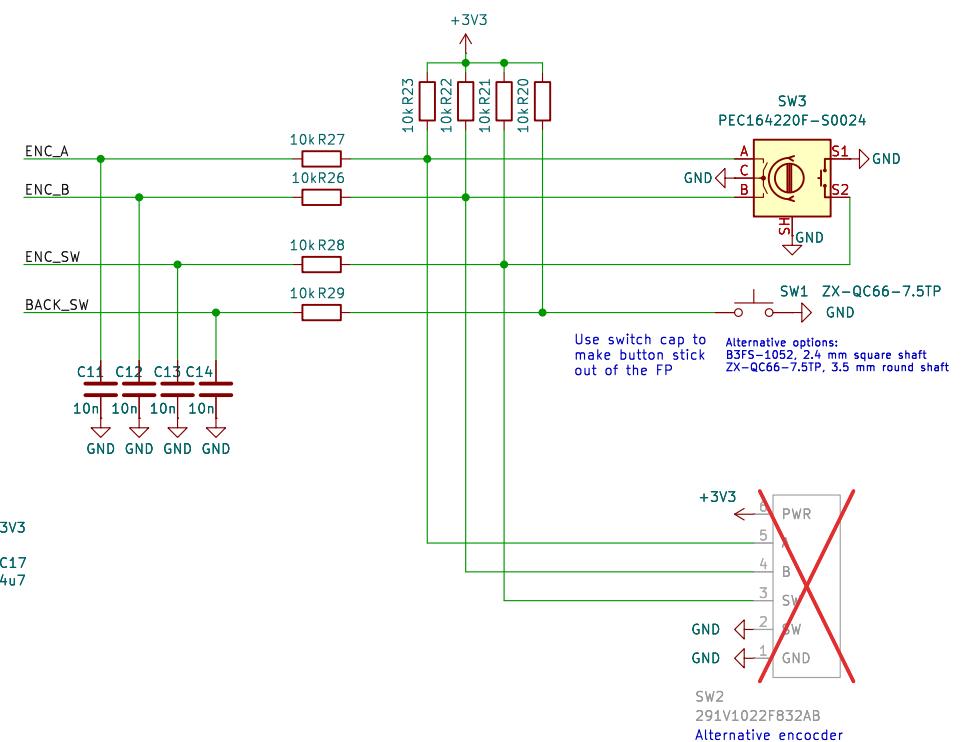
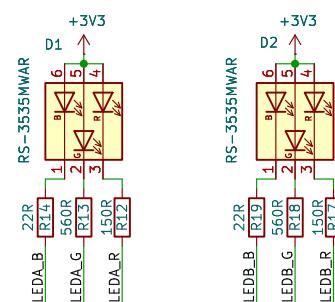
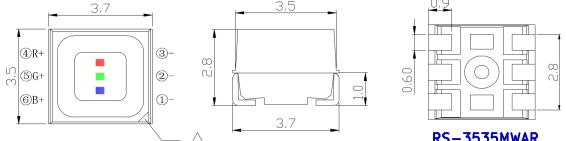
KiCad E.D.A. 9.0.0-rc3-dir

Rev: -

d: 1/2



RS-3535MWAR	R	G	B
Lum @ 20 mA [mcd]	950	2200	500
Lum target [mcd]	400	400	400
I target [mA]	8.0	1.8	1.30
V FWD [V]	2.0	2.3	3.0
R [Ohm]	162.5	555.6	25.4
R chosen [Ohm]	150	560	22



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Sheet: /Switches and LEDs/
File: switches.kicad_sch

Title: ui_board_1u – User interface board

Size: A4 Date: 2025-12-17

KiCad E.D.A. 9.0.0-rc3-dirty

Rev: –

Id: 2/2