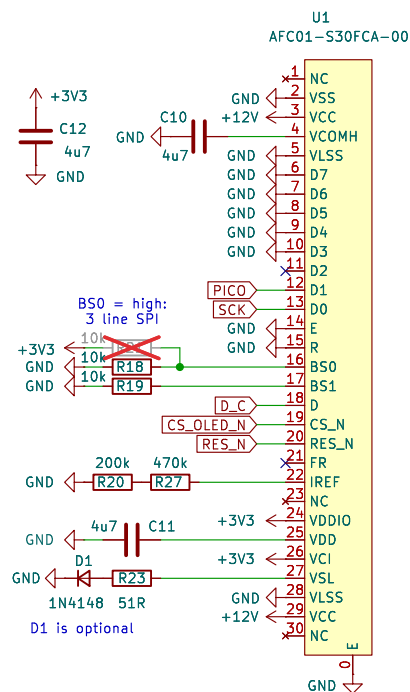
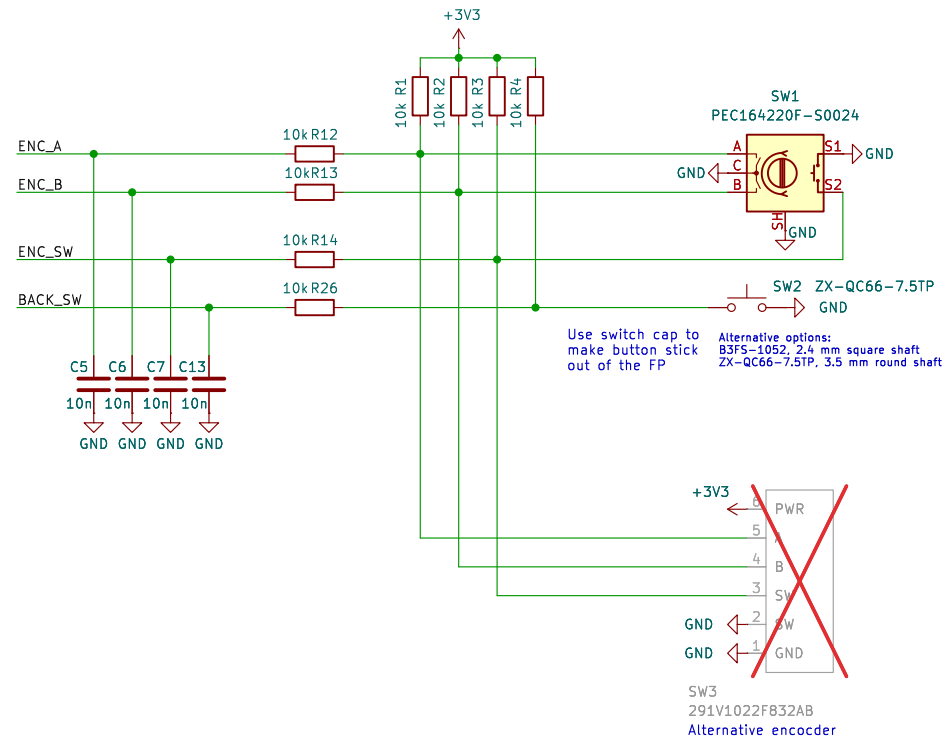
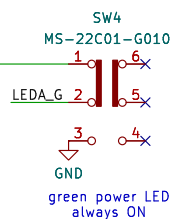
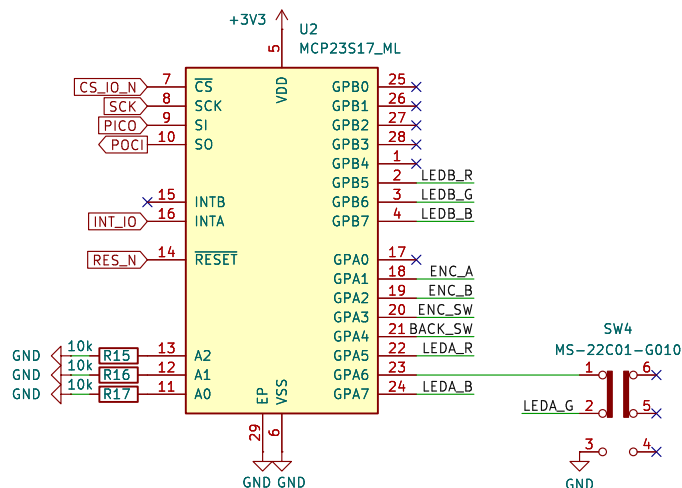


Alternative header: JLC# C9136  
Ribbon cable connector: JLC# C21854

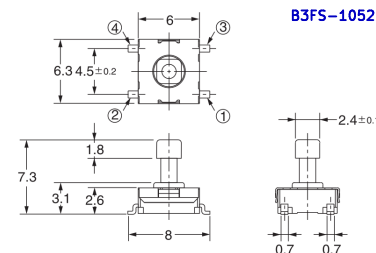
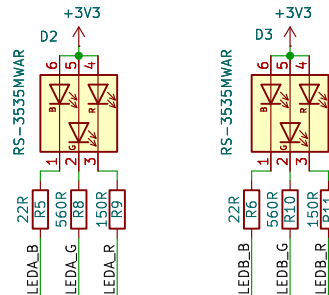
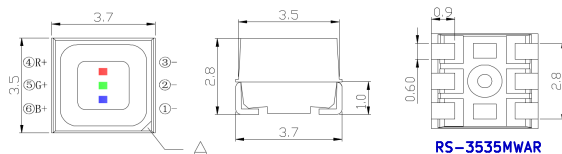
PICO = peripheral in controller out,  
POCI = peripheral out controller in,

Caveat:  
\* when using a direct connection to a PMOD host like CMODA7 for testing, the 2 connector columns are swapped  
\* Use IDC ribbon cable to get a 1:1 connection to a PMOD host without swapped rows.





RS-3535MMWR	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: 2025-12-07

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

Rev: -

Id: 2/2