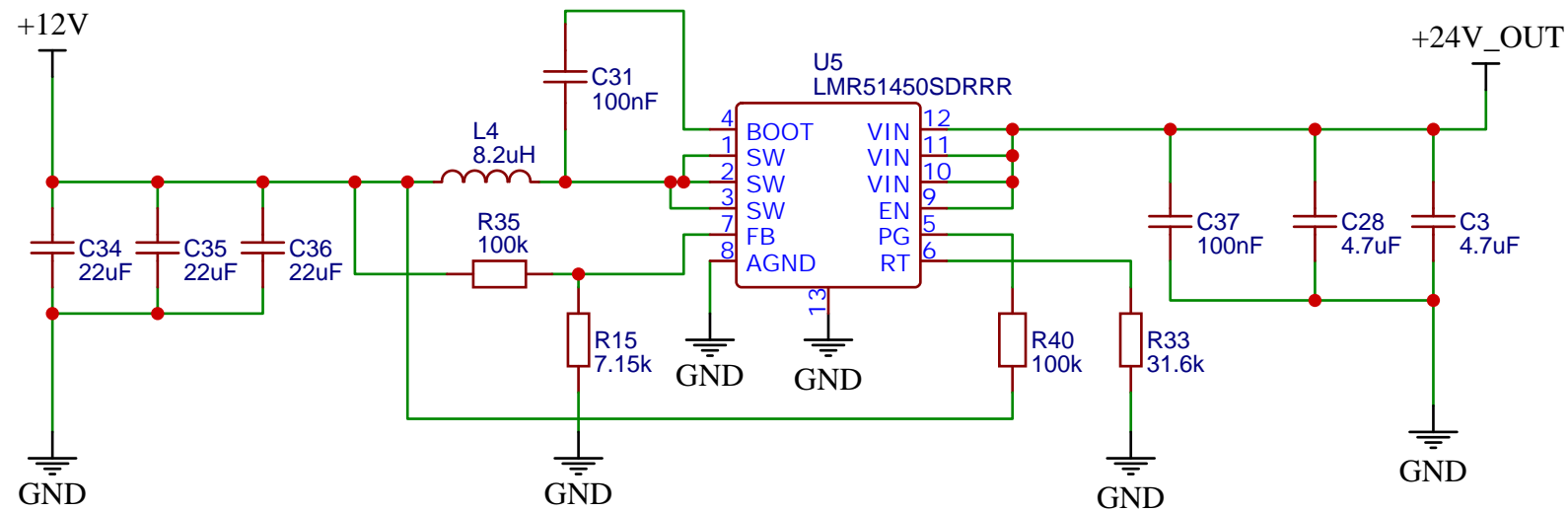
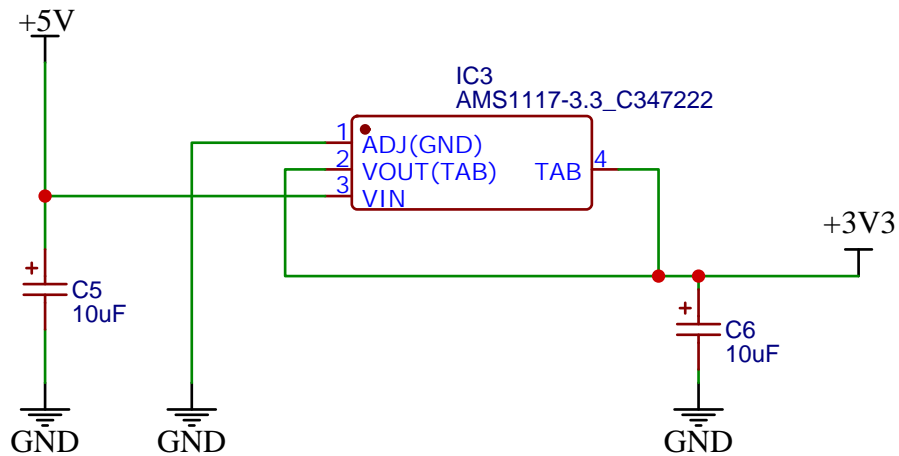


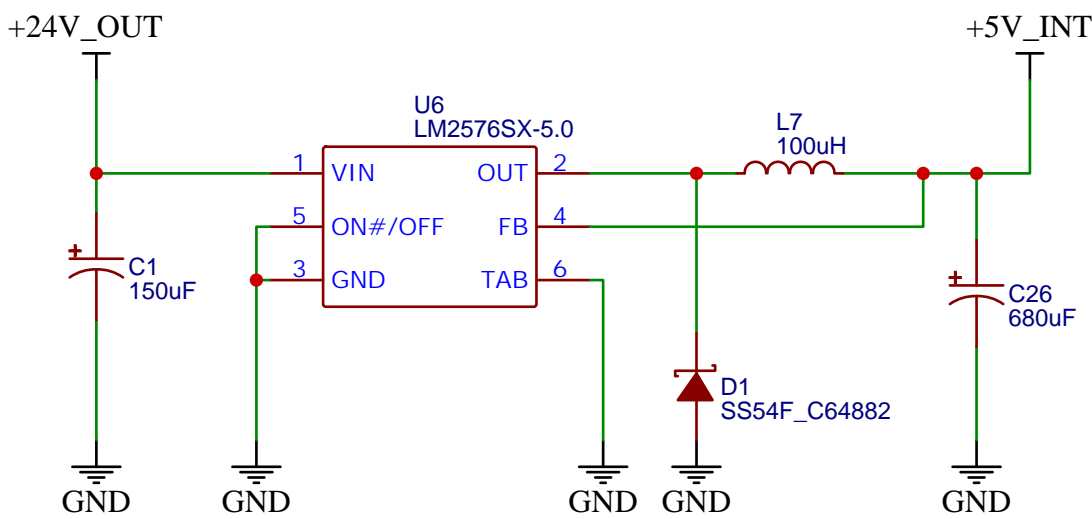
24V to 12V



5V to 3V3



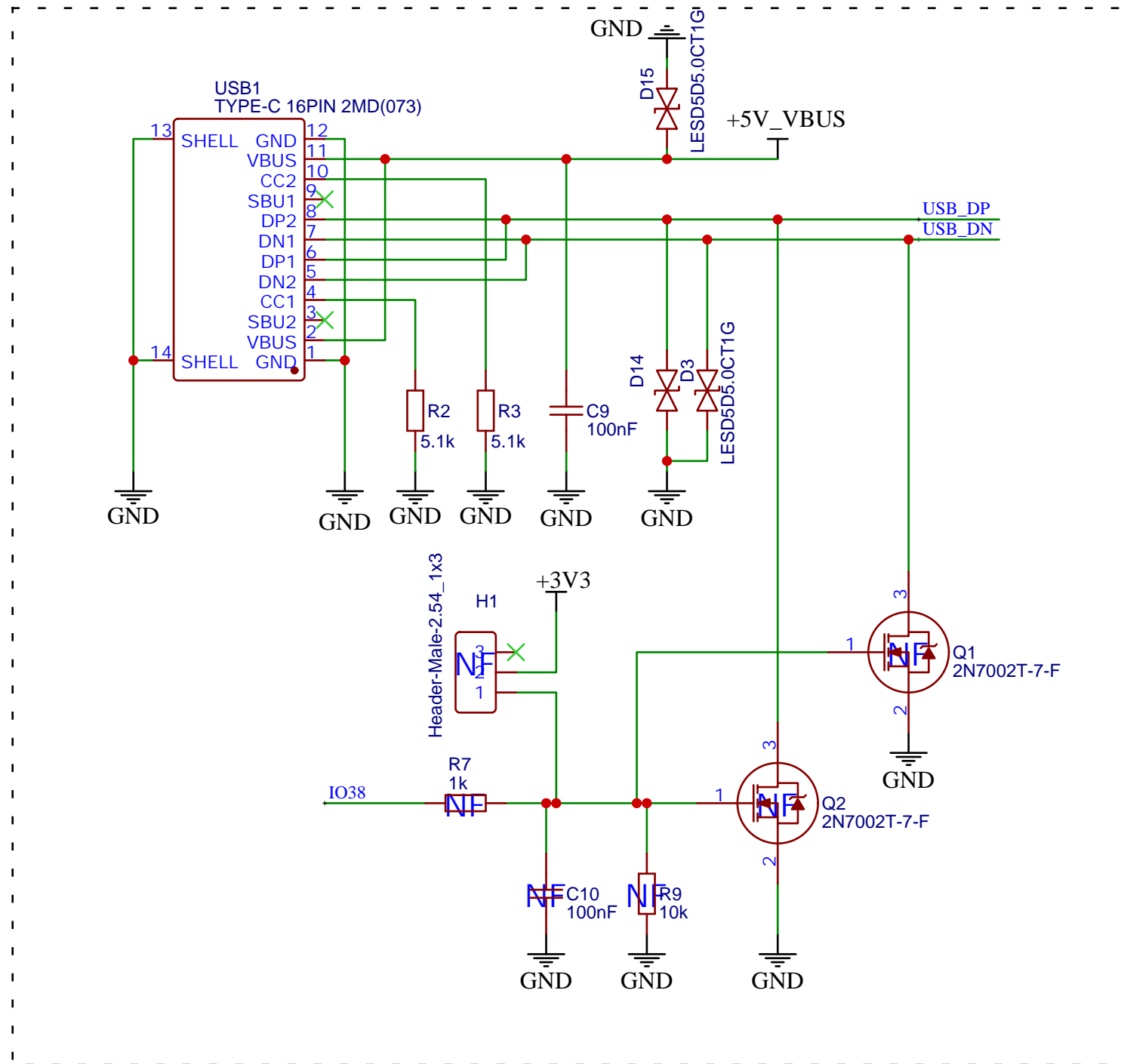
24V to 5V



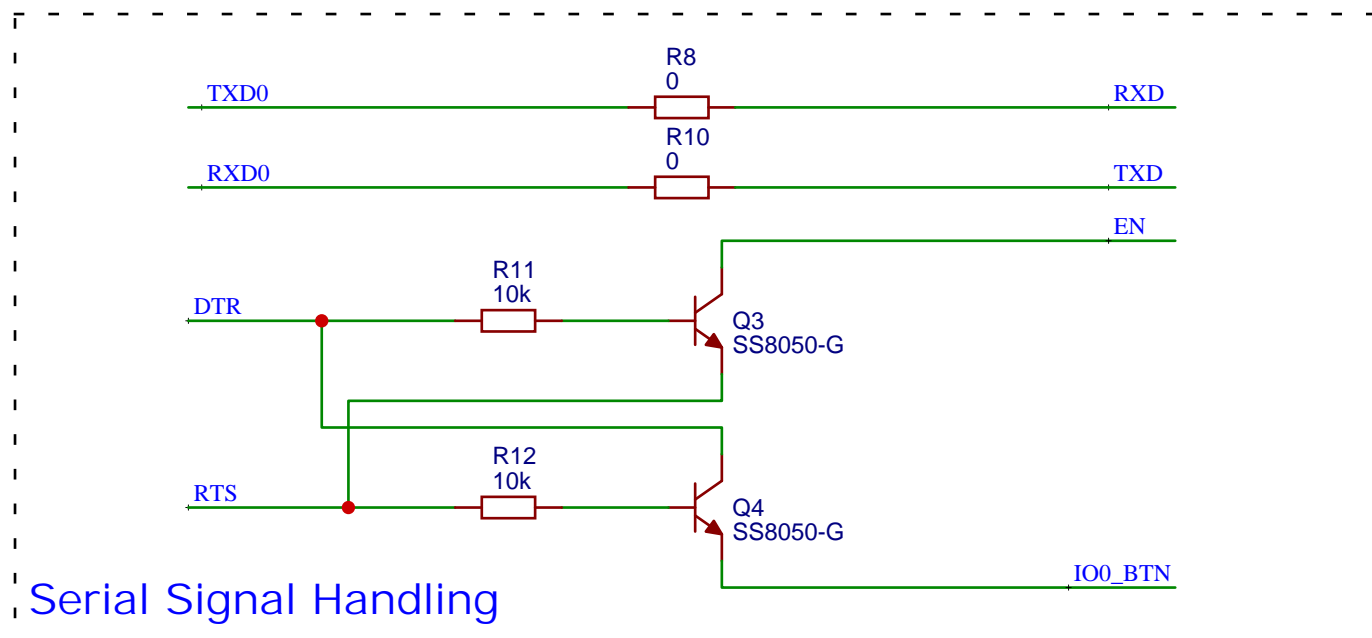
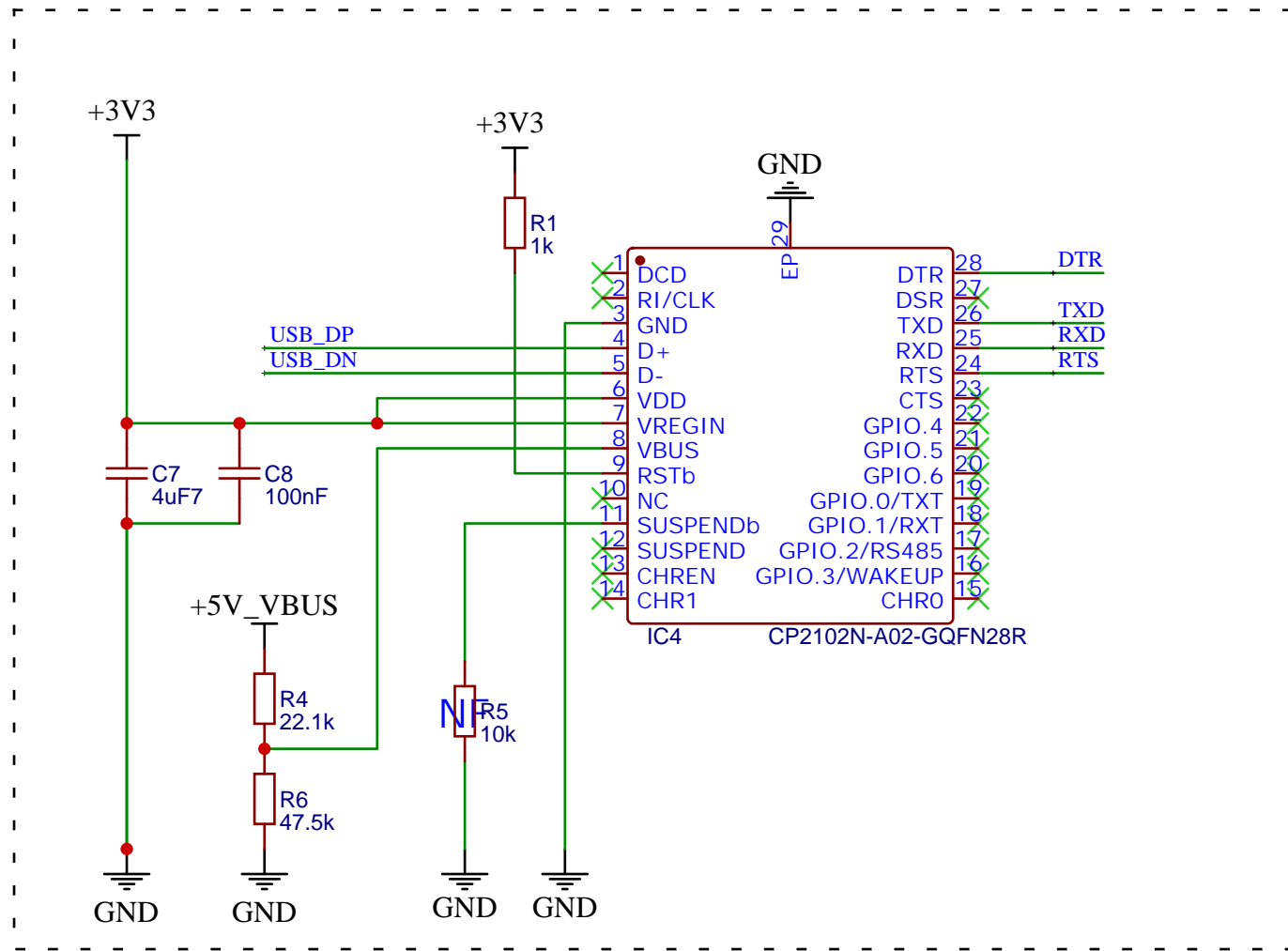
Richtlinie 12V...: https://www.lcsc.com/datasheet/lcsc_datasheet_2410121816_Texas-Instruments-LMR51450SDRRR_C6890985.pdf
Richtlinie 5V...: https://www.lcsc.com/datasheet/lcsc_datasheet_2410121941_Texas-Instruments-LM2576SX-5-0-NOPB_C34465.pdf
Richtlinie 3V...: https://www.lcsc.com/datasheet/lcsc_datasheet_2412201207_UMW-Youtai-Semiconductor-Co---Ltd--AMS1117-3-3_C347222.pdf

TITLE: Power		REV: 4.3
EasyEDA	Company: Your Company	Sheet: 1/8
	Date: 2024-12-19 Drawn By: Kevin Muller	

USB TYPE-C Connector



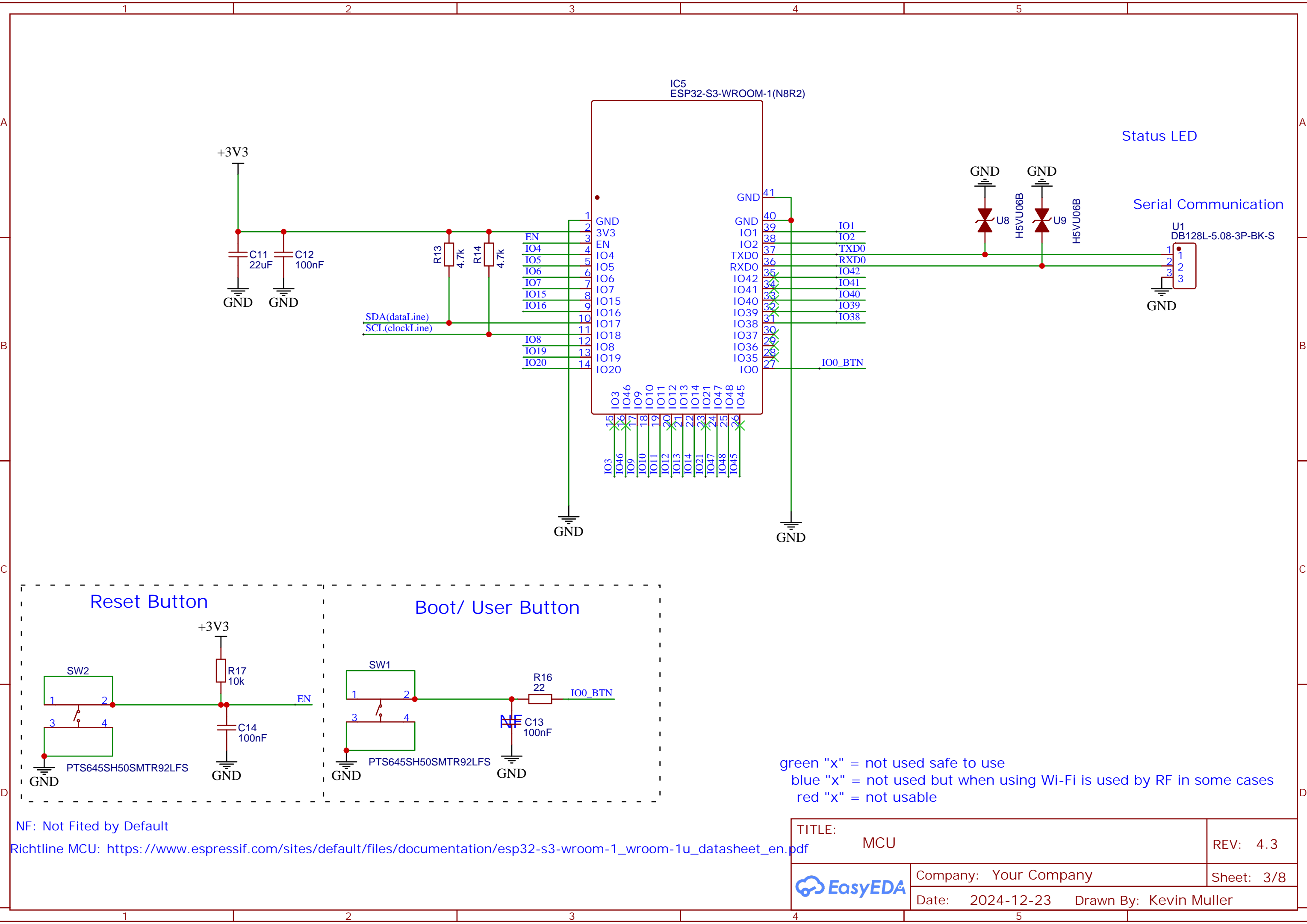
USB to URAT

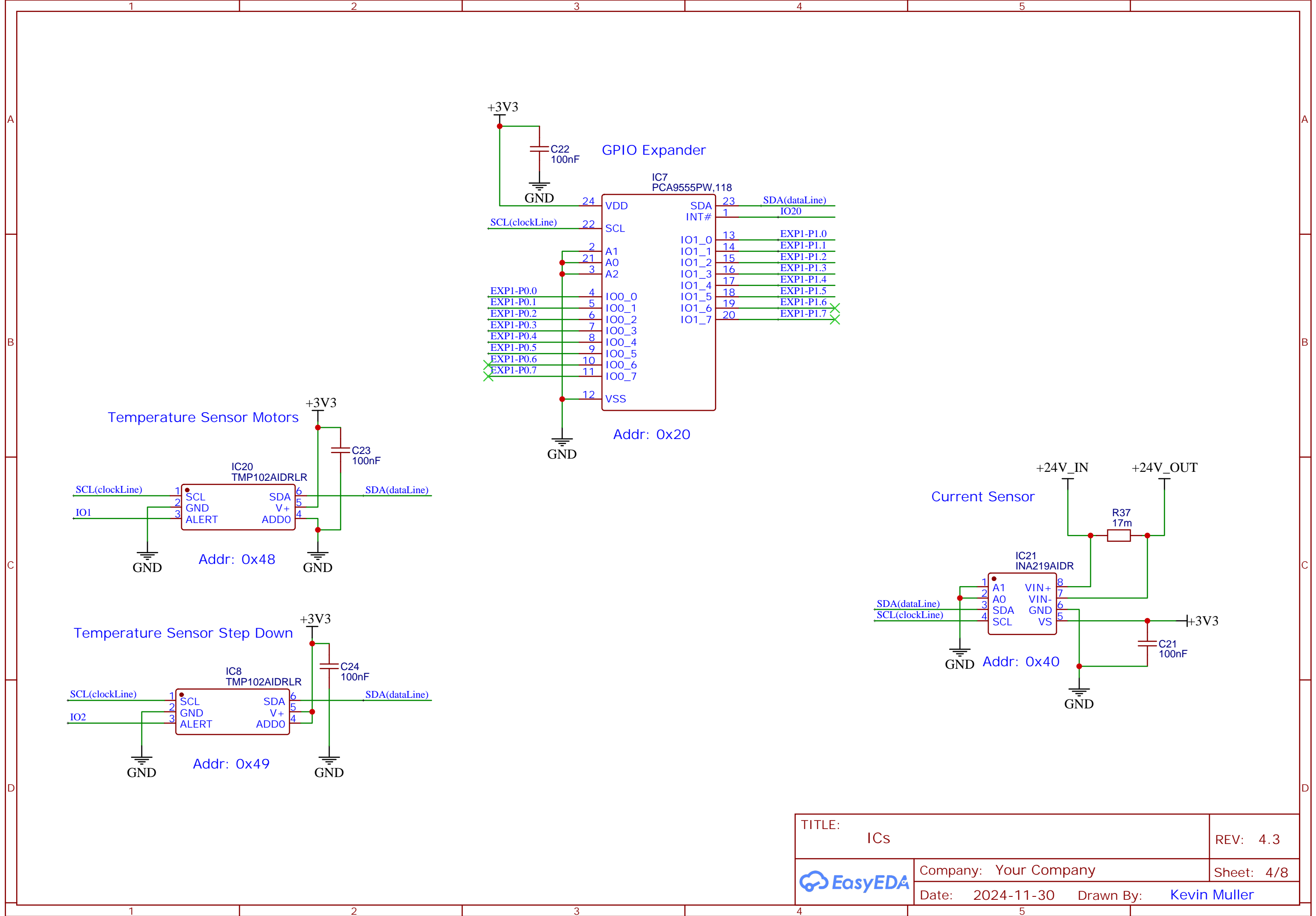


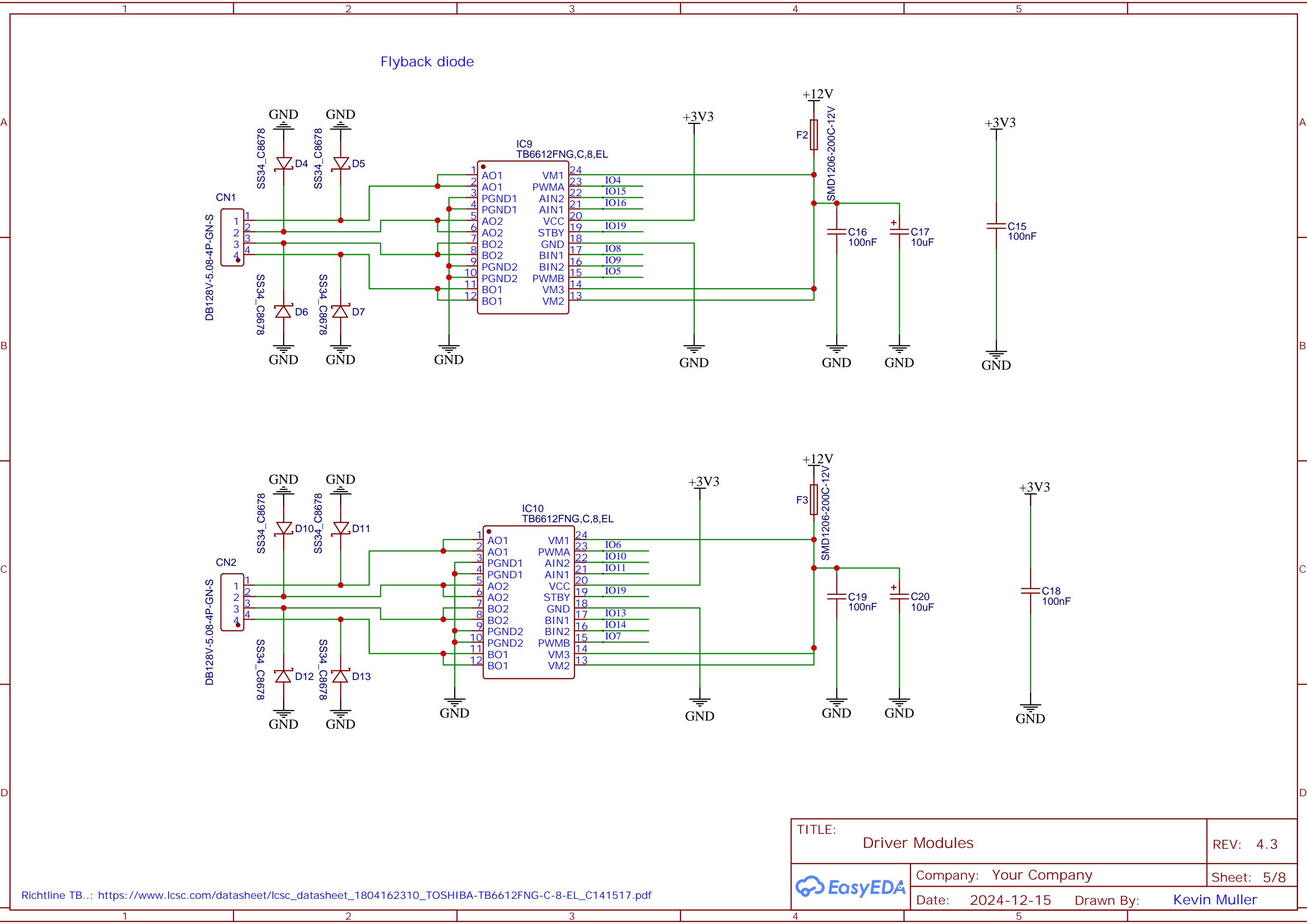
Serial Signal Handling

NF: Not Fited by Default
Richtlinie CP.: https://www.lcsc.com/datasheet/lcsc_datasheet_2304140030_SKYWORKS-SILICON-LABS-CP2102N-A02-GQFN28R_C964632.pdf

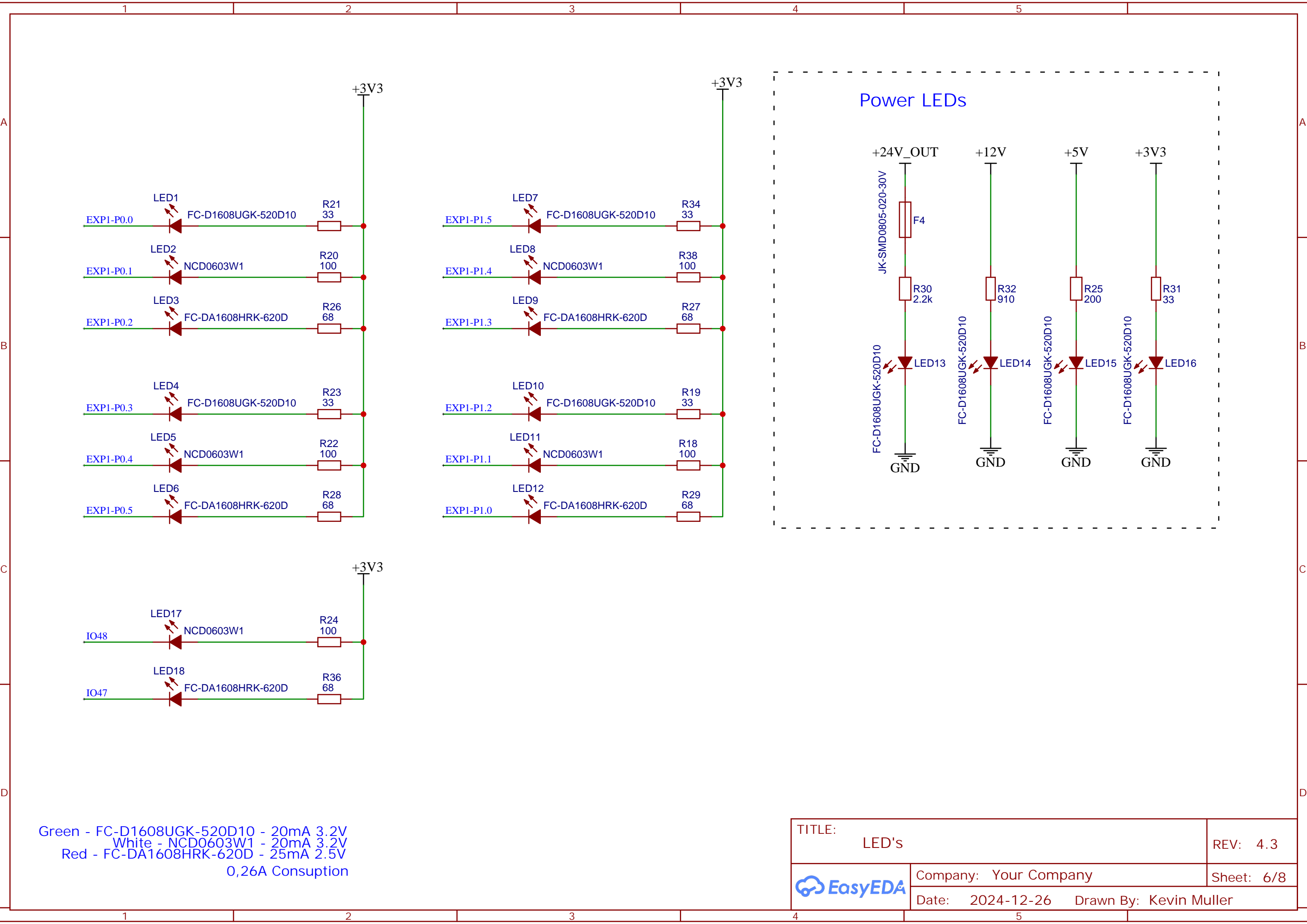
TITLE: USB-C to MCU Connector		REV: 4.3
EasyEDA	Company: Your Company	Sheet: 2/8
	Date: 2024-12-24	Drawn By: Kevin Muller





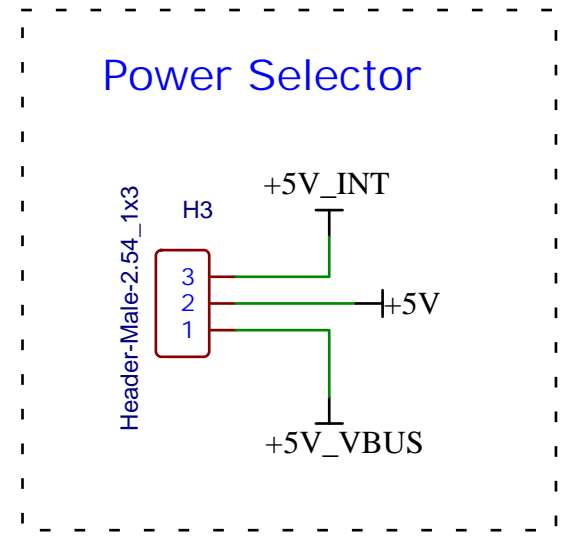
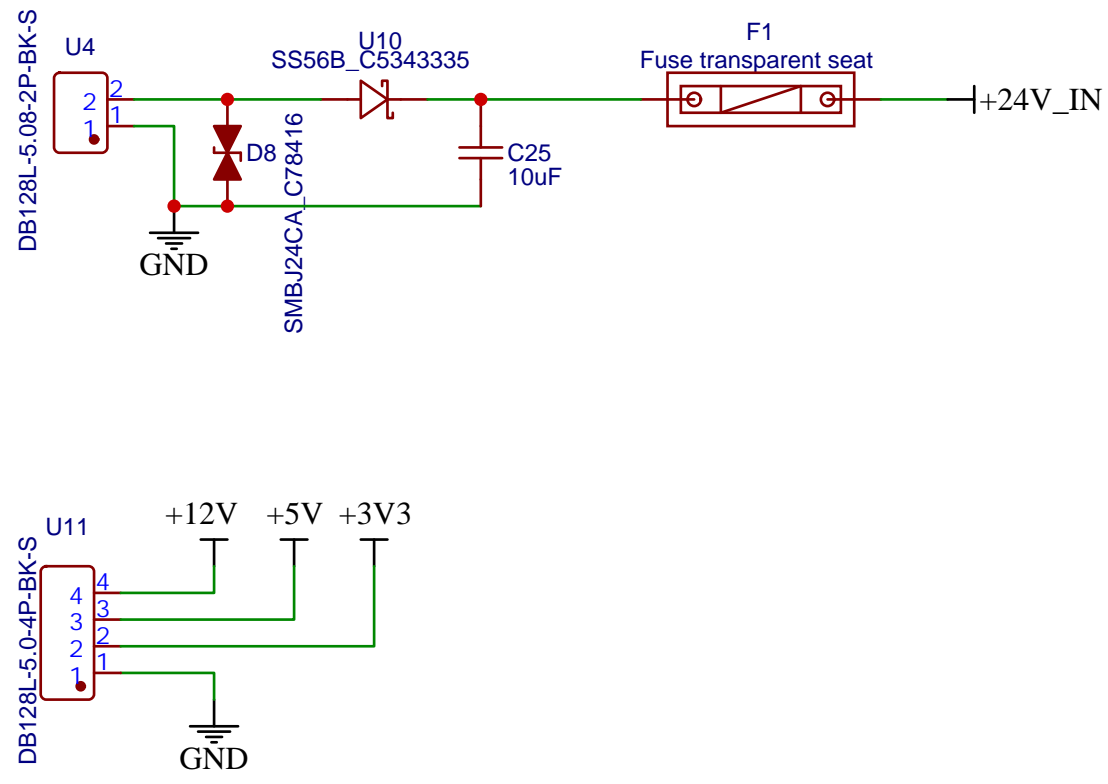


TITLE: Driver Modules		REV: 4.3
	Company: Your Company	Sheet: 5/8
	Date: 2024-12-15	Drawn By: Kevin Muller



Green - FC-D1608UGK-520D10 - 20mA 3.2V
White - NCD0603W1 - 20mA 3.2V
Red - FC-DA1608HRK-620D - 25mA 2.5V
0,26A Consupstion

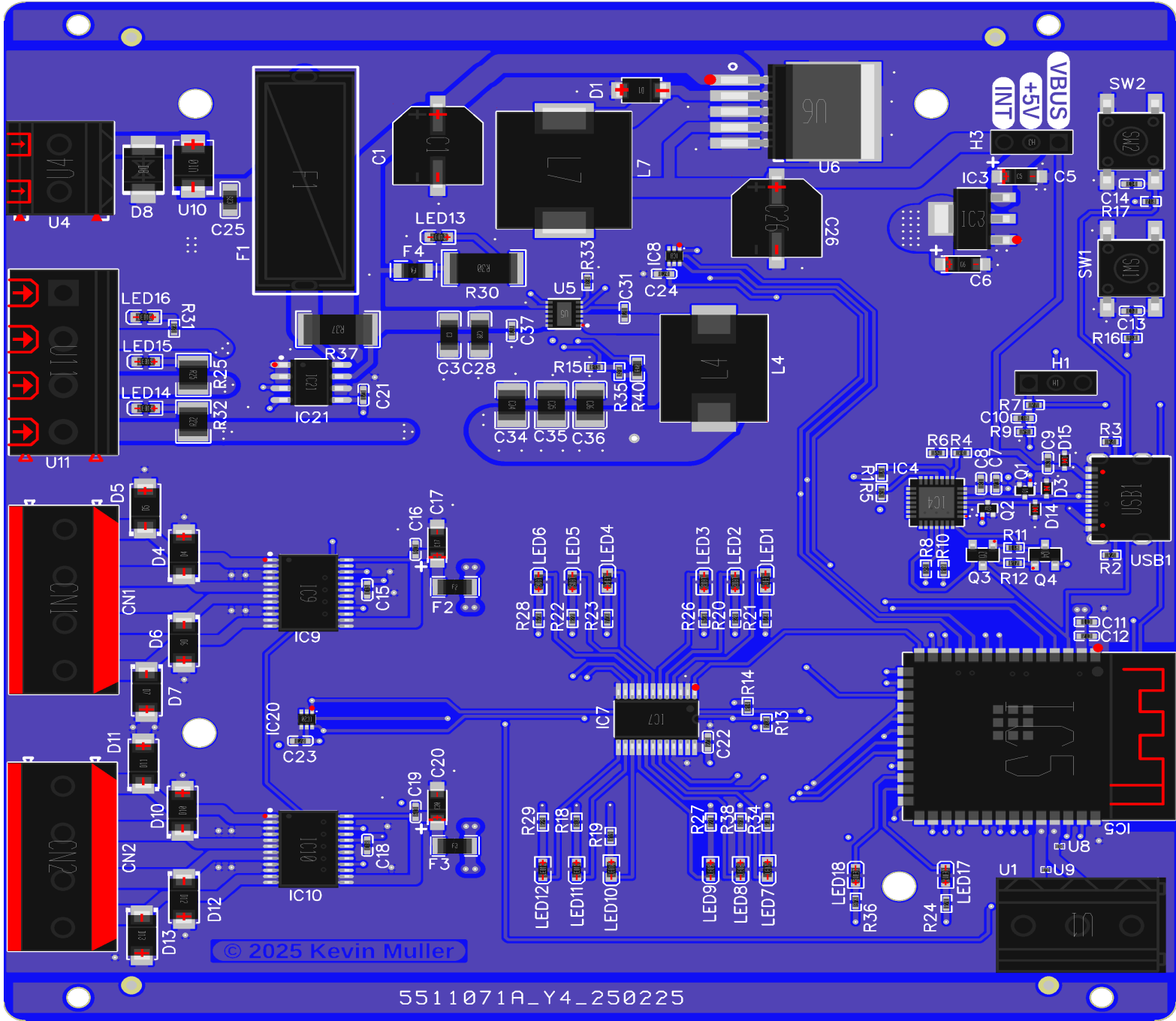
TITLE: LED's		REV: 4.3
	Company: Your Company	
	Date: 2024-12-26 Drawn By: Kevin Muller	
		Sheet: 6/8



Overcurrent protection for each motor driver using polyfuses or electronic current limiters.
ESD protection diodes on inputs/outputs.

TITLE: Connectors		REV: 4.3
	Company: Your Company	Sheet: 7/8
	Date: 2025-02-08 Drawn By: Kevin Muller	

5511071A_Y4_SMT025022460164 [TOP] - Corrected Part Placement
[20250225113057196]



4 - Layer Board
1 - TopLayer
2 - GroundPlane
3 - PowerPlane
4 - BottomLayer

DFM - Approved
SMT - Approved

TITLE: PCB Layout		REV: 4.3
EasyEDA	Company: Your Company	Sheet: 8/8
	Date: 2025-05-04 Drawn By: Kevin Muller	