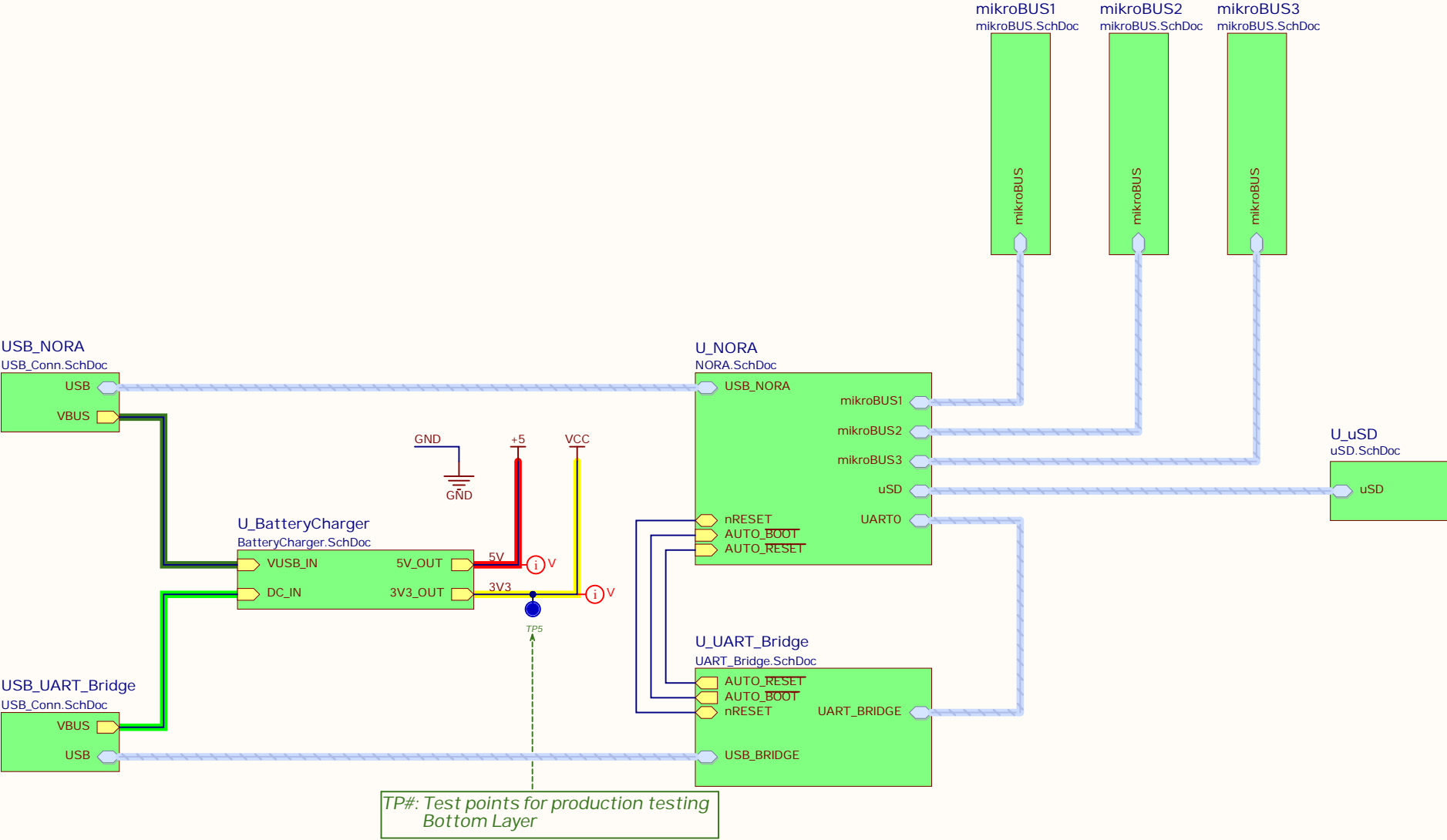


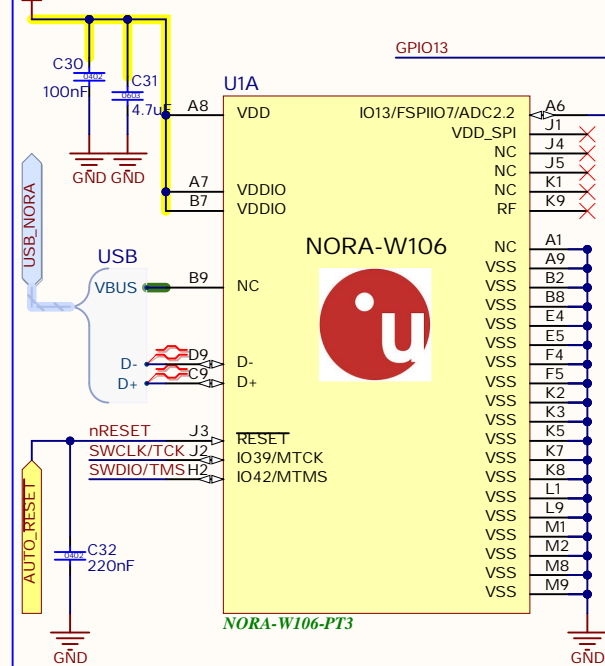
Schematic/Assembly Revision			
Rev.	Description	Date	By
revA	Prototype Release	22/6/2022	tcha
revB	Second release	07/11/2022	tcha
revC	Changed uSD to push-push. Minor tweaks in power supply	06/04/2023	tcha



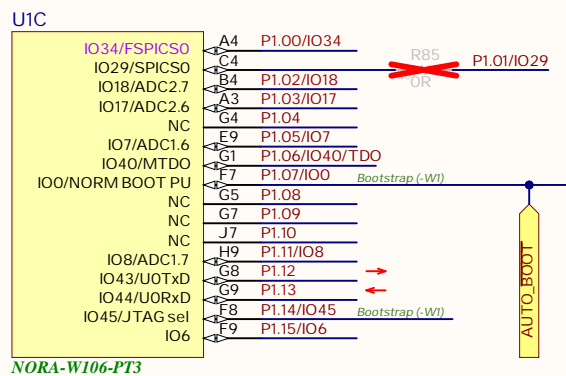
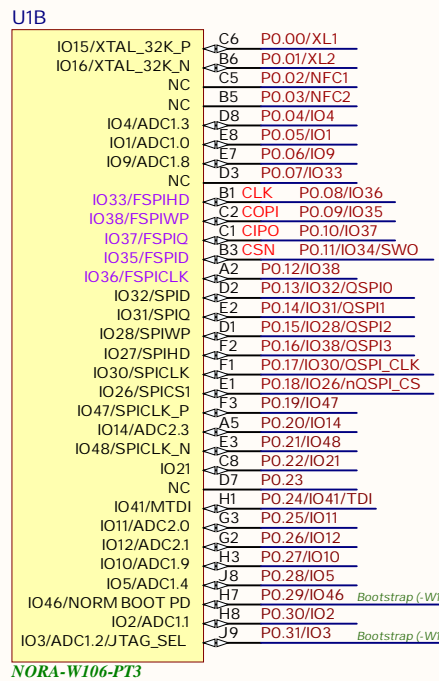
Prepared By u-blox CONFIDENTIAL	Project: ALPS-HPG	PGM-Alps	PCB: UBXH60-0001010	Revision: revC
	Board:ALPS-HPG		PCBA:	Size: A3
	Author: tcha		ALPS-HPG.SchDoc	Page: 1 / 7
	Team: u-blox AG	Sch Num:	Release Date: 06/04/2023	

Variant: C213_noJTAG

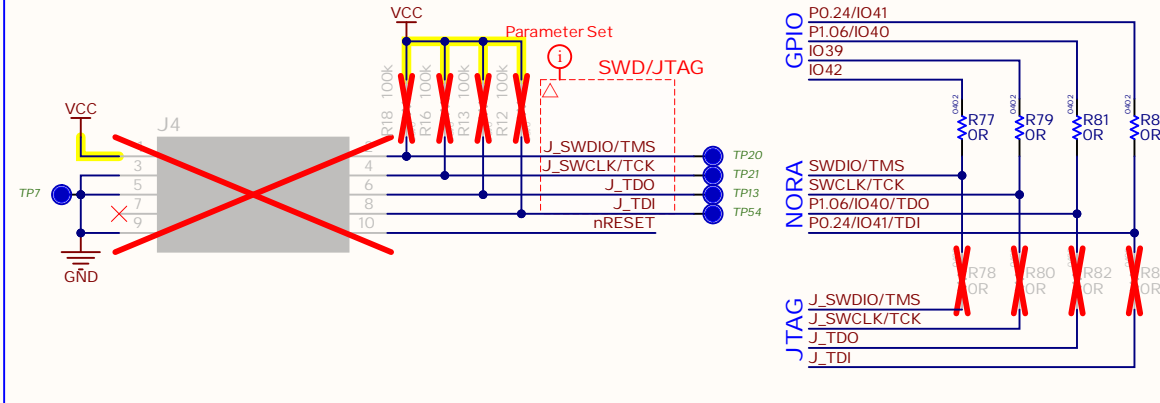
NORA-B1/W1 —————
NORA module core



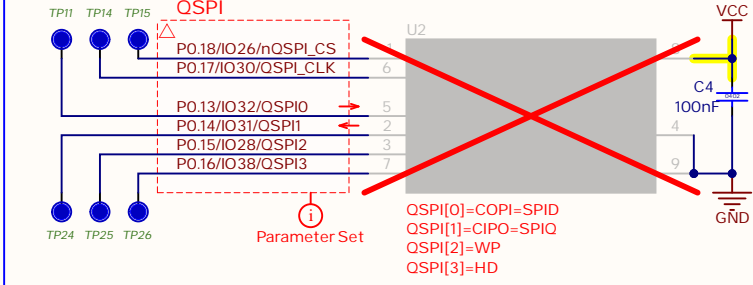
NORA module ports



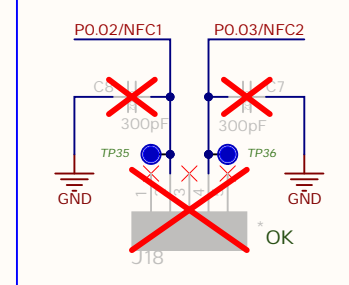
SWD/JTAG header



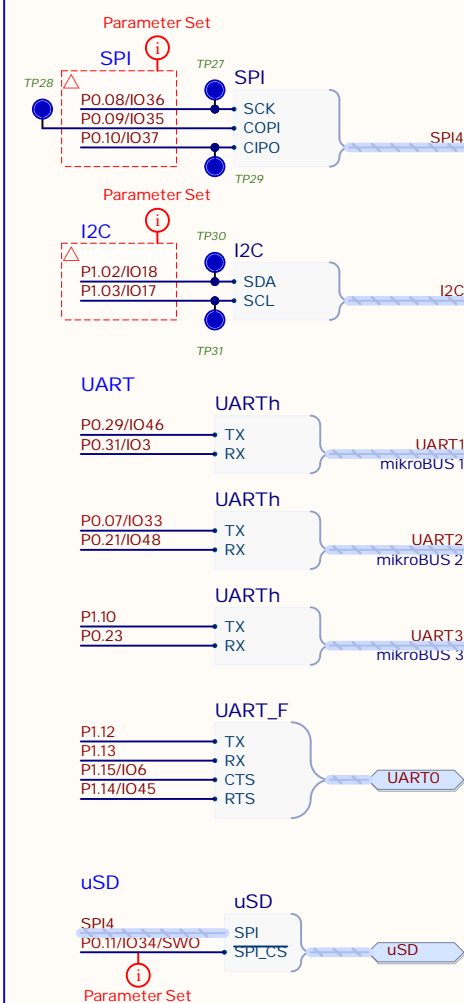
QSPI memory



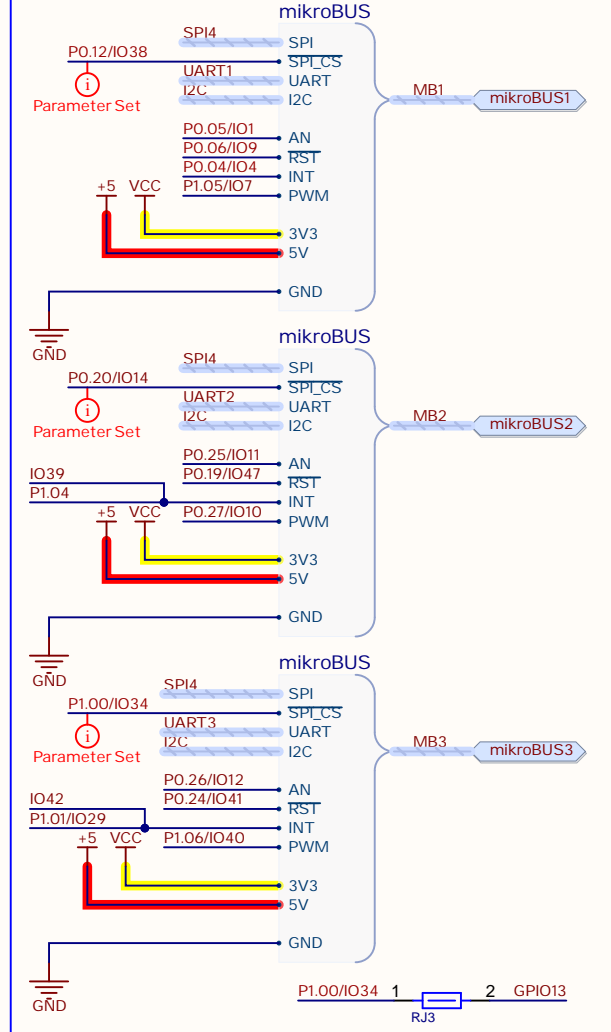
- NFC



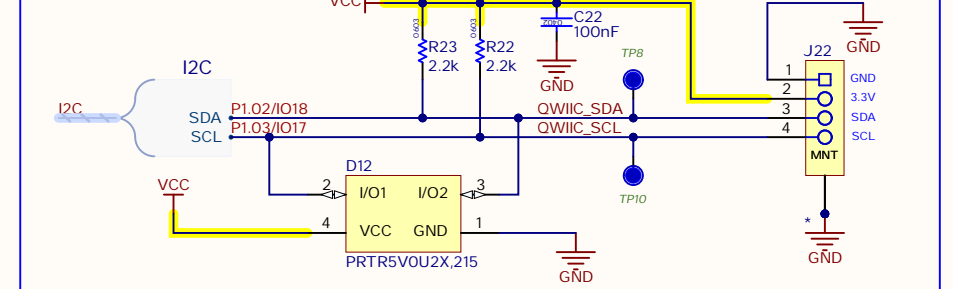
Interfaces



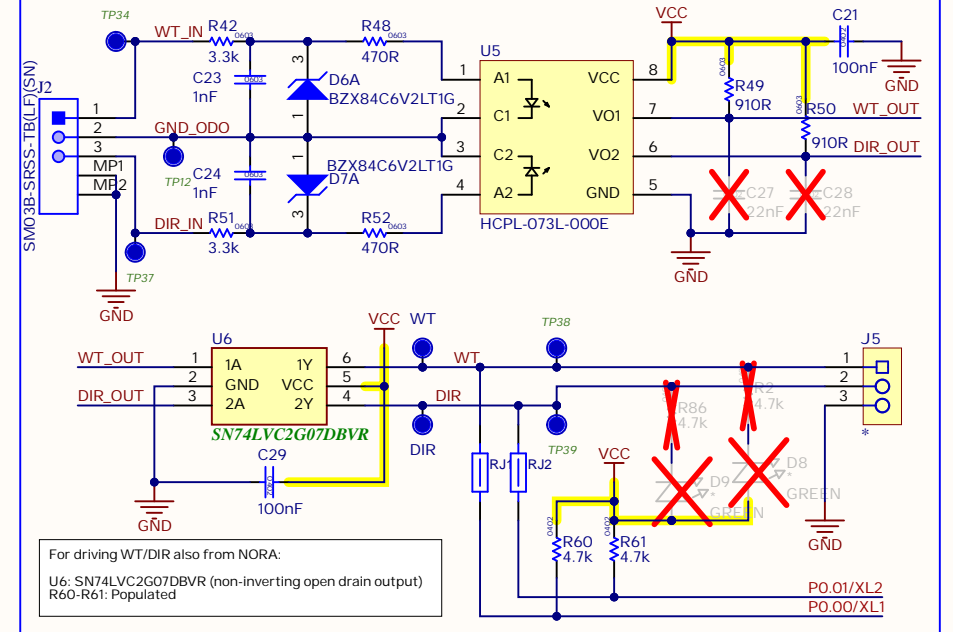
mikroBUS



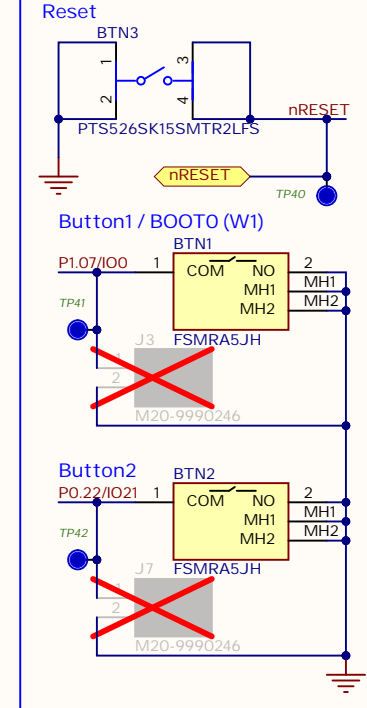
- Qwiic interface



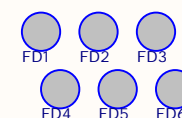
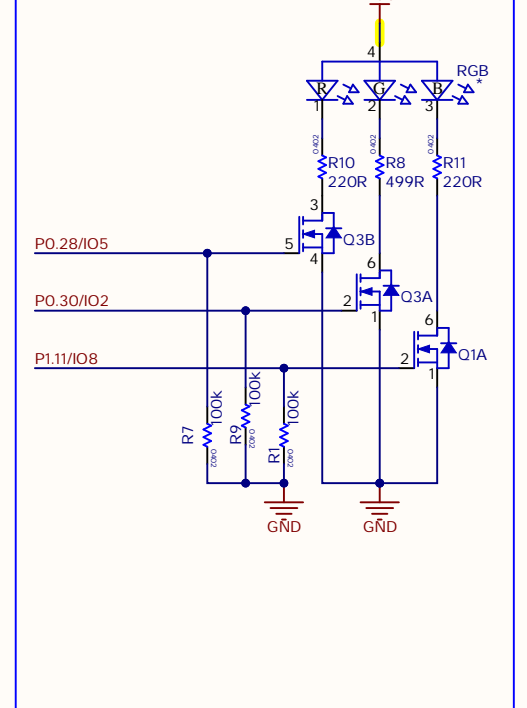
- WT/DIR



- Buttons

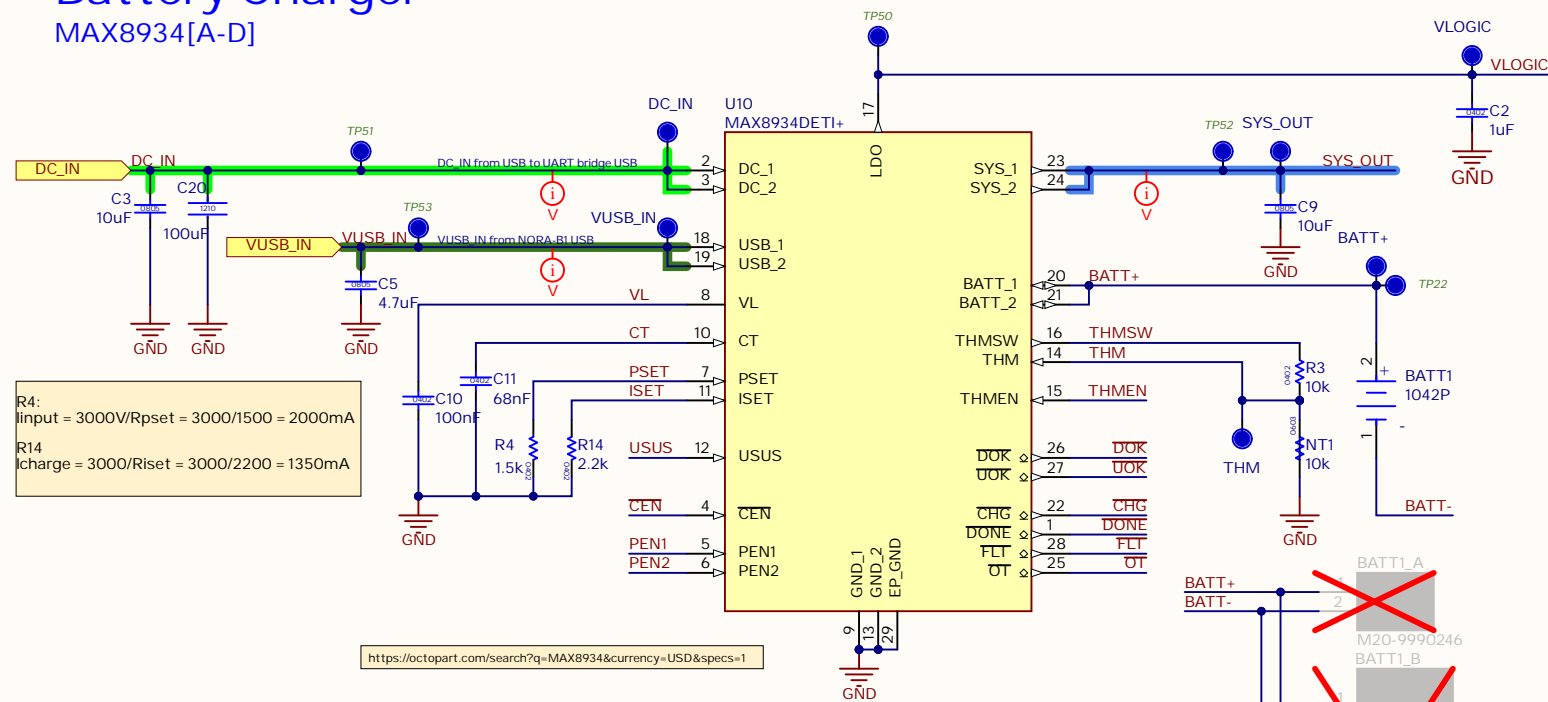


- RGB LED

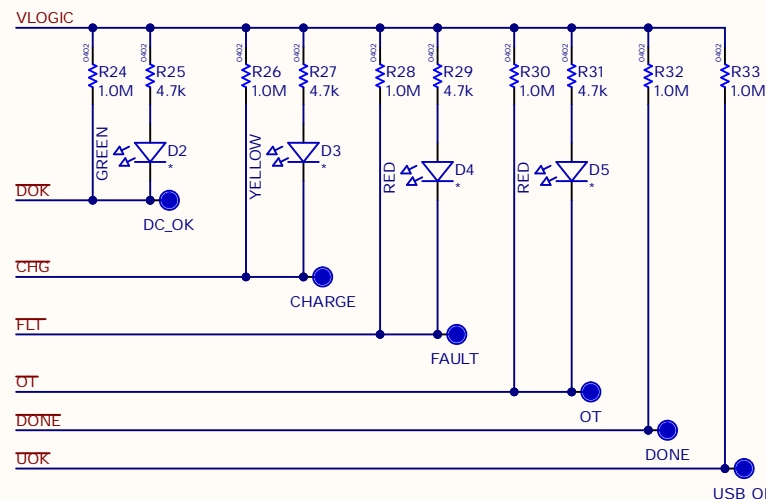


Battery Charger

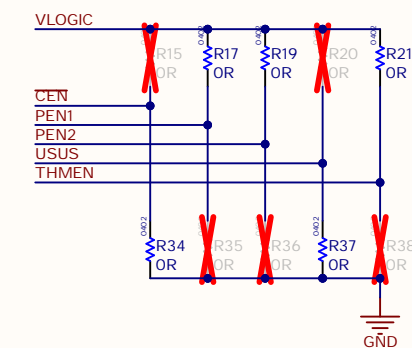
MAX8934[A-D]



Battery Charger Outputs



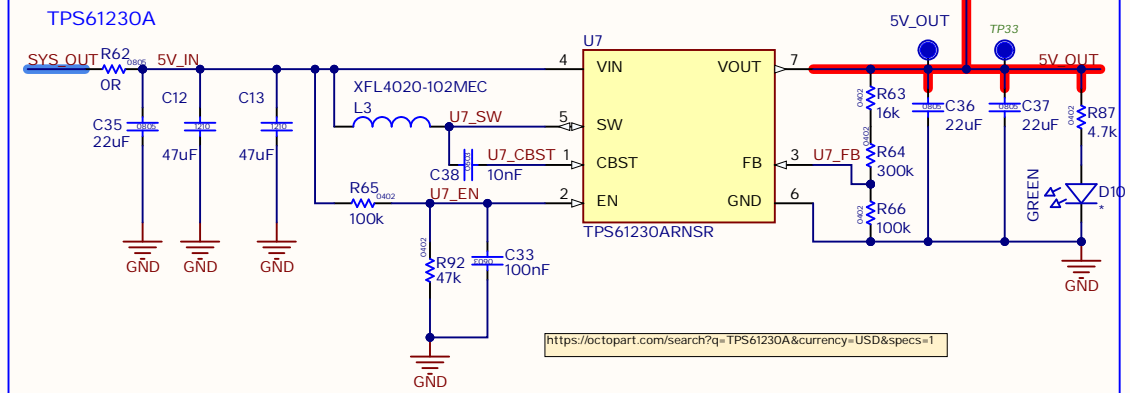
Battery Charger Inputs



FEATURE		DC INPUT			USB INPUT		NOTES	
Absolute Maximum Rating		16V			9V		—	
Input Current Limit		Set by RPSET, PEN1, PEN2, and USUS; 2A (max)			Set by RPSET, PEN1, PEN2, and USUS; 1.5A (max)		PSET sets the same input current limit for DC and USB paths.	
POWER SOURCE	\overline{DOK}	\overline{UOK}	PEN1	PEN2	USUS	DC INPUT CURRENT LIMIT	USB INPUT CURRENT LIMIT	MAXIMUM CHARGE CURRENT
AC Adapter at DC	L	X	H	X	X	3000V/RPSET	USB Input Off; DC input has priority	3000V/RISET
	L	X	H	X	X	3000V/RPSET		3000V/RISET
USB Power at DC	L	X	L	H	L	475mA		475mA
	L	X	L	L	L	95mA		95mA
	L	X	L	X	H	USB suspend	0	
USB Power at USB; DC Open	H	L	H	H	L	No DC input	3000V/RPSET	3000V/RISET
	H	L	H	L	L		600V/RPSET	3000V/RISET
	H	L	L	H	L		475mA	475mA
	H	L	L	L	L		95mA	95mA
	H	L	X	X	H		USB suspend	0
DC and USB Open	H	H	X	X	X		No USB input	0

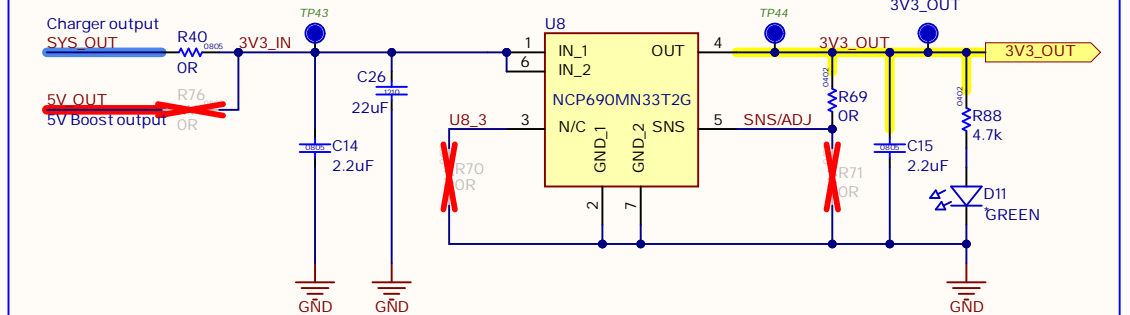
5V Boost Converter

2500 mA



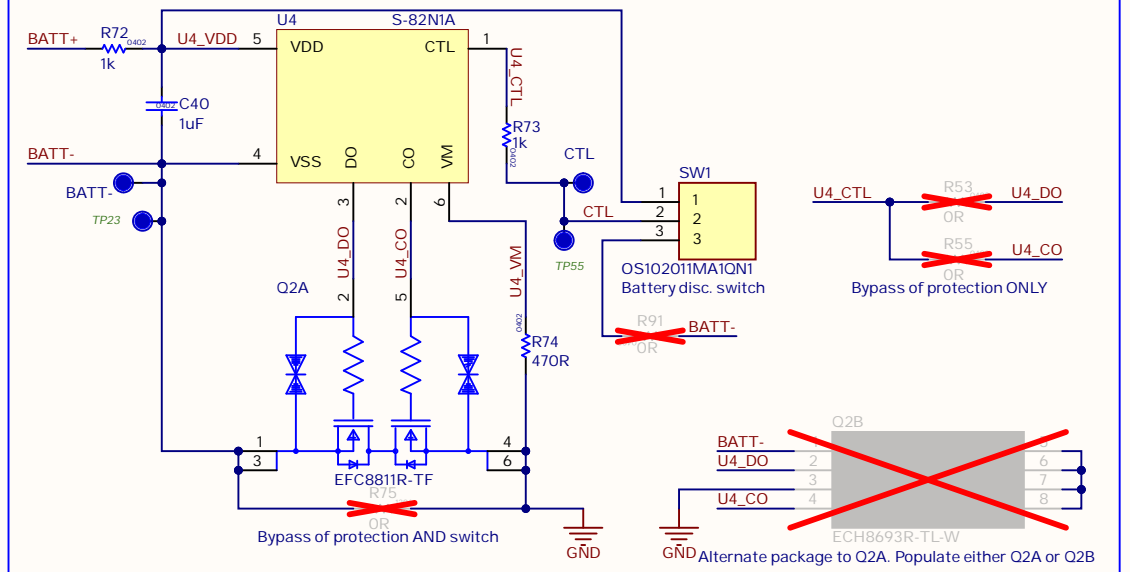
3V3 Linear Converter

500mA



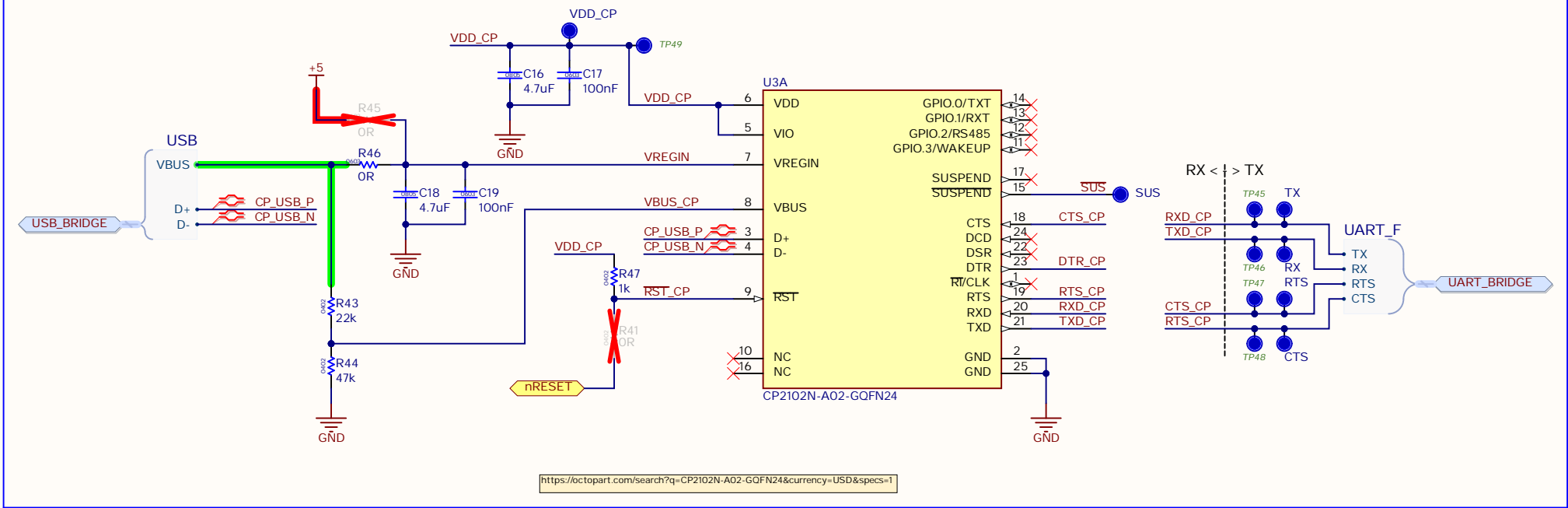
	LD39050 PU33R	NCP606MN33 T2G	NCP690MN33 T2G	NCV8605MN33 T2G	NCP691MN33 T2G	NCP Adjustable
R70	DNI	DNI	DNI	DNI	OR	DNI/POP
R69	DNI	OR	OR	OR	OR	POP
R71	DNI	DNI	DNI	DNI	DNI	POP

Battery Protection/Switch

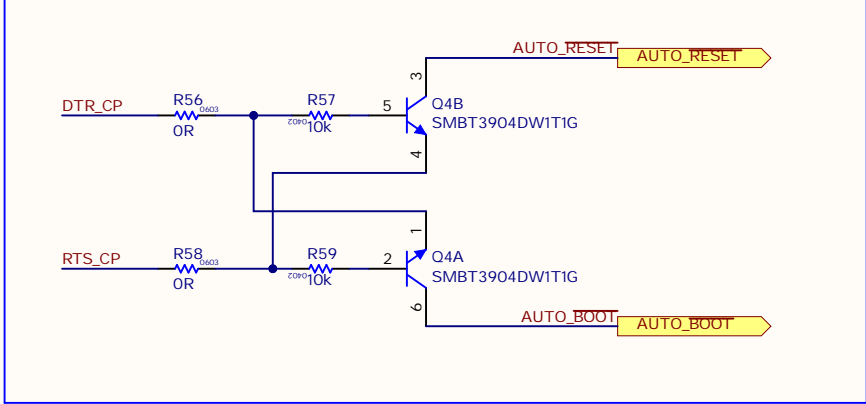


[illegible]

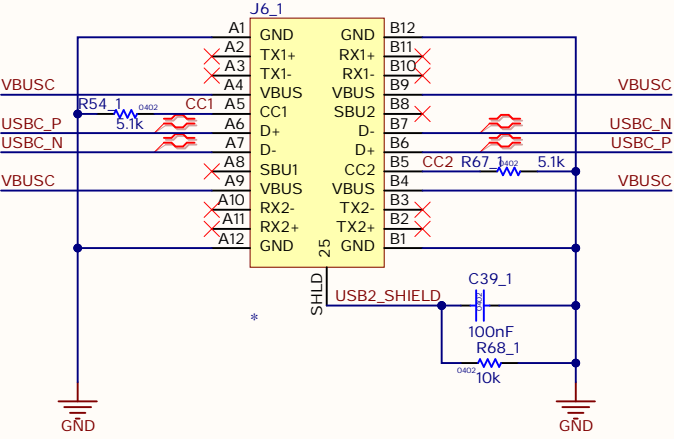
USB to UART



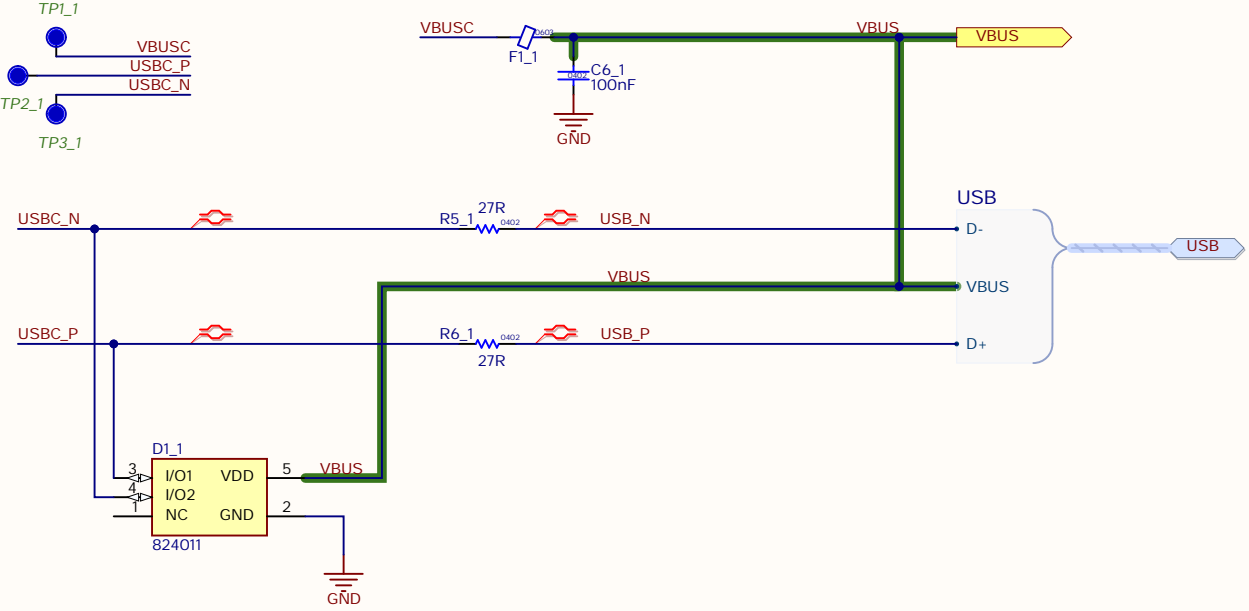
Autoreset



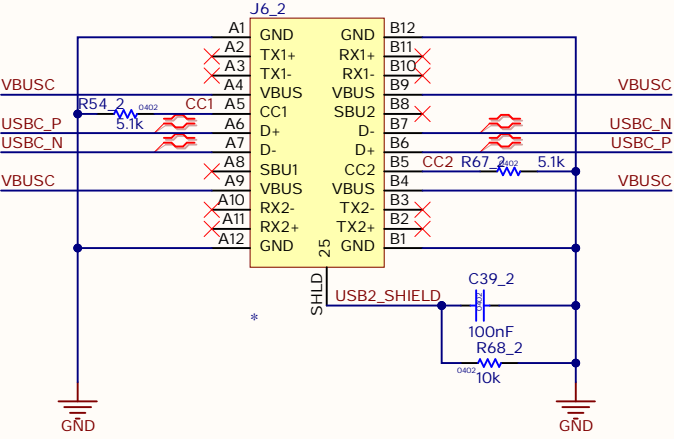
USB connector
USB-C



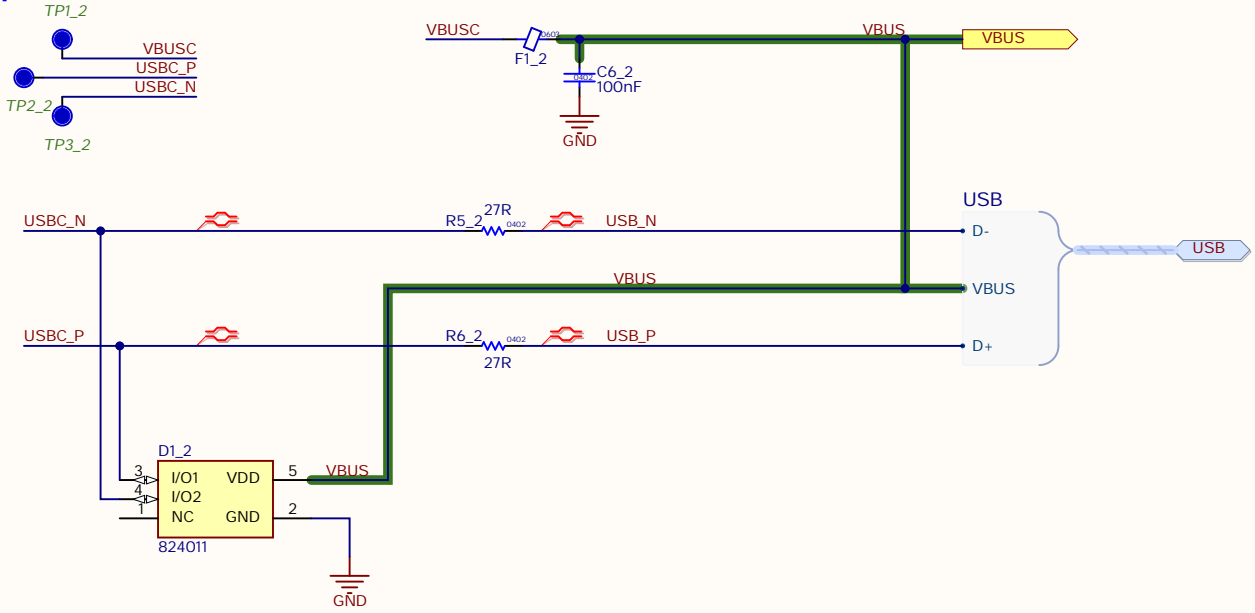
USB protection



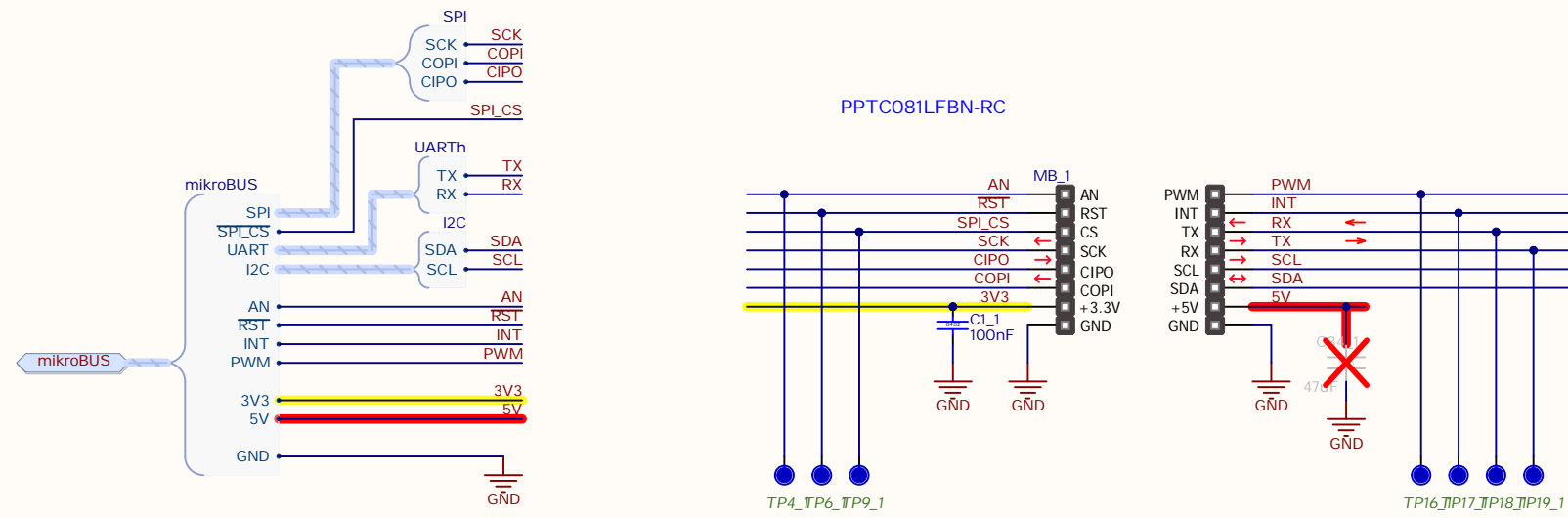
USB connector
USB-C



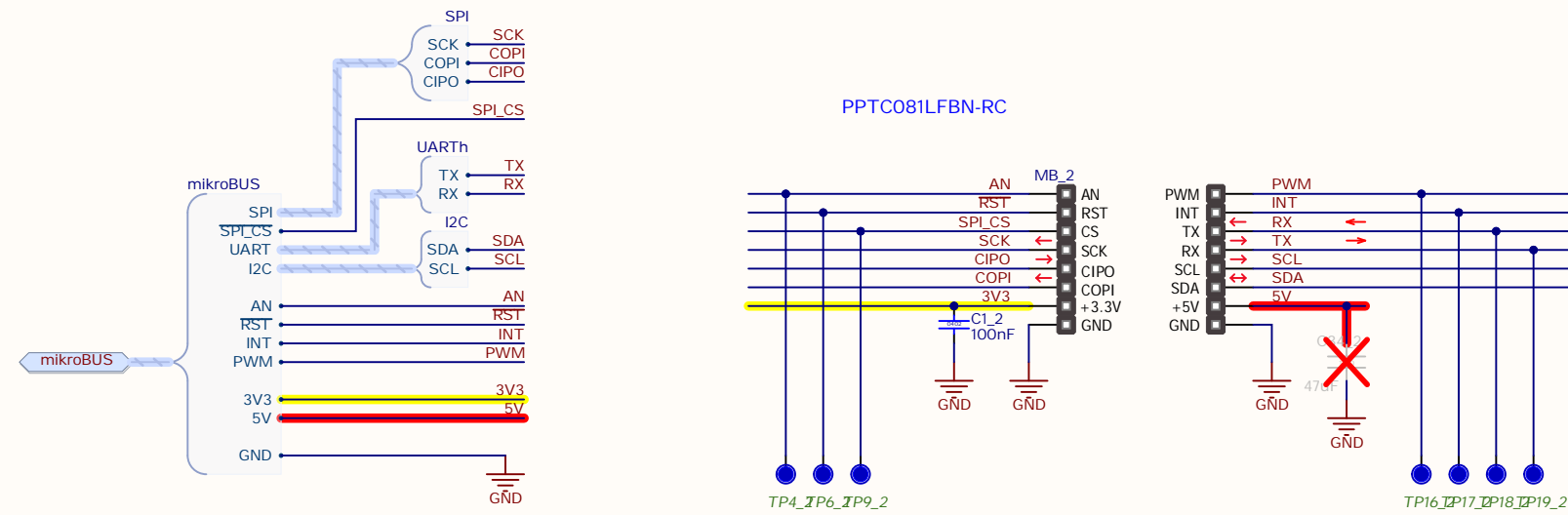
USB protection



mikroBUS interface



mikroBUS interface



mikroBUS interface

