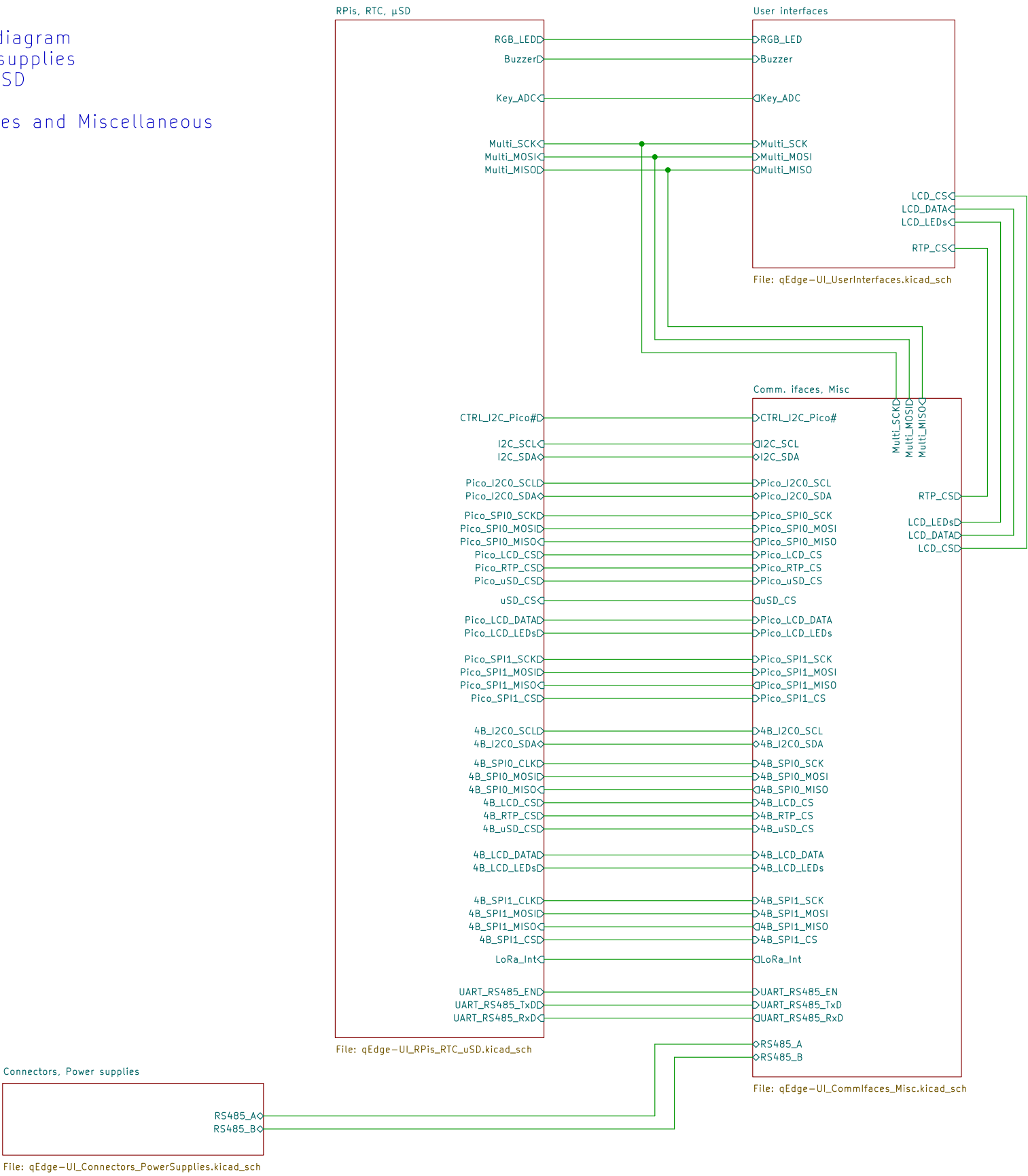
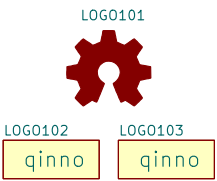


Table of contents

- 1 Cover page and block diagram
- 2 Connectors and power supplies
- 3 Raspberries, RTC and µSD
- 4 User interfaces
- 5 Communication interfaces and Miscellaneous



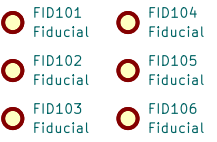
Logos



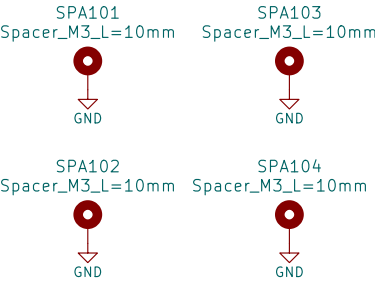
Mounting Holes for housing



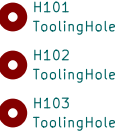
Fiducials



SMT-Standoffs for LCD-Adapter

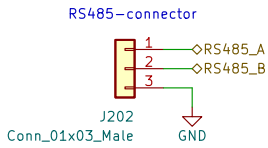
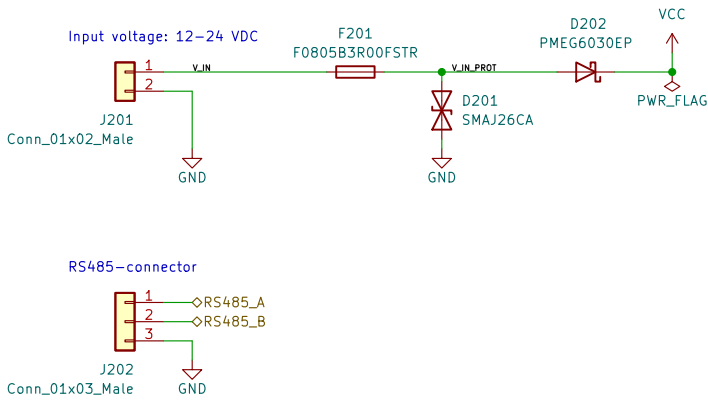


Tooling Holes

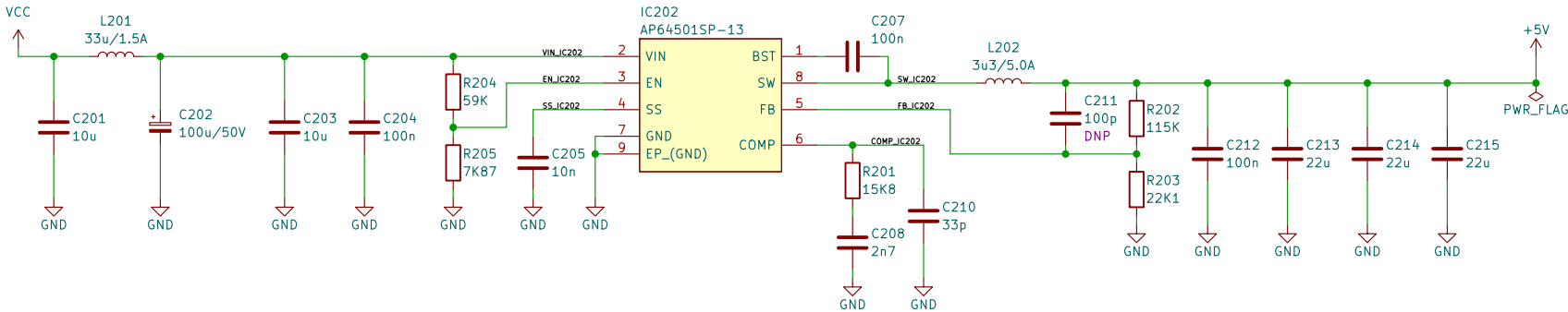


DATE	06.02.2023	17.02.2023	17.02.2023	PART-NAME:	qEdge-UI		
NAME	CYA	MSC	RWO	PAGE-NAME:	/		
	MOD/DRAW	CHECK	APP				
SCHEMATIC-VERSION:				PCB-VERSION			
V1.0.0				V1.0.0			
VARIANT -				Size: A3	PAGE: 1 of 5		

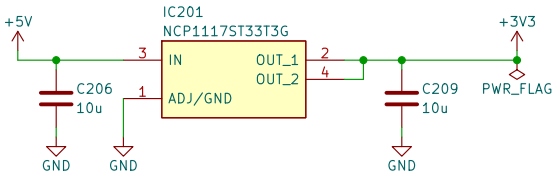
Connectors and Power supplies




5V0 regulator




3V3 regulator



DATE	06.02.2023	17.02.2023	17.02.2023	PART–NAME:	
NAME	CYA	MSC	RWO	qEdge–UI	
	MOD/DRAW	CHECK	APP	PAGE–NAME:	
				/Connectors, Power supplies/	
				SCHEMATIC–VERSION:	
				V1.0.0	
				PCB–VERSION	
				V1.0.0	
VARIANT				–	
				Size: A3	PAGE: 2 of 5

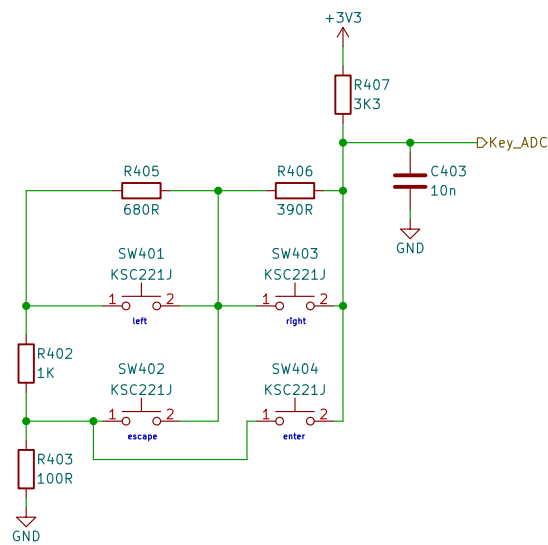
Raspberries, RTC and μ SD

RPi Pico

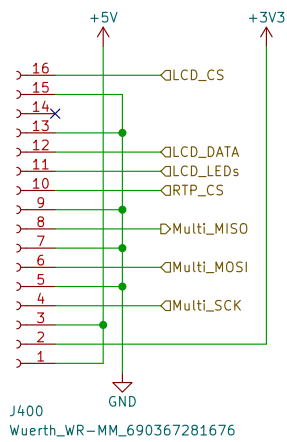
DATE	06.02.2023	17.02.2023	17.02.2023	PART-NAME: qEdge-UI			
NAME	CYA	MSC	RWO		PAGE-NAME: /RPIs, RTC, µSD/		
	MOD/DRAW	CHECK	APP				
				SCHEMATIC-VERSION: V1.0.0		PCB-VERSION V1.0.0	
				VARIANT -		Size: A3	PAGE: 3 of 5

User interfaces

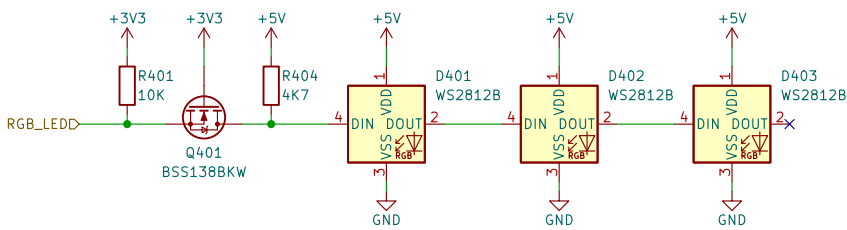
4x Pushbutton



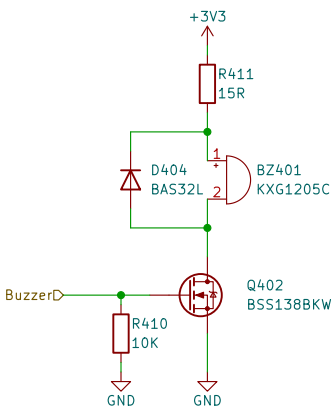
LCD-Connector




RGB-LEDs



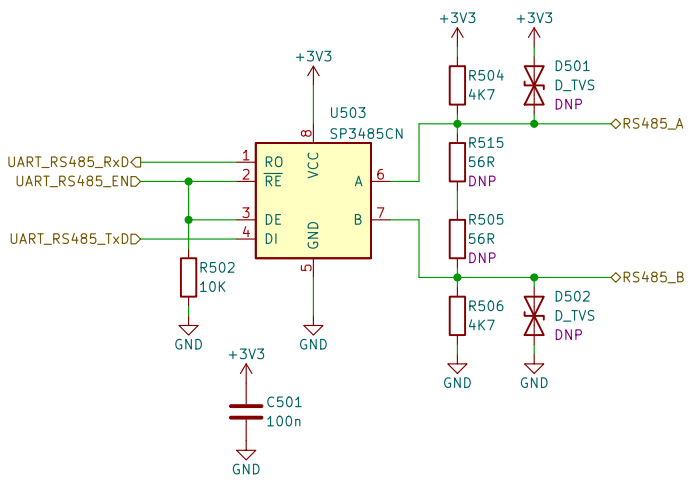
Buzzer



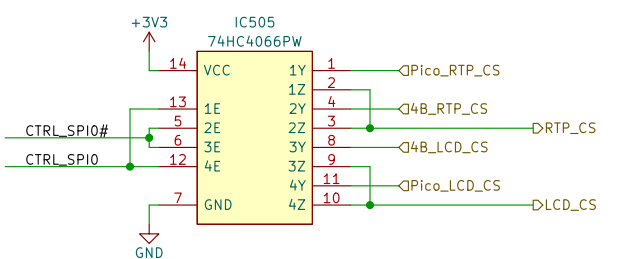
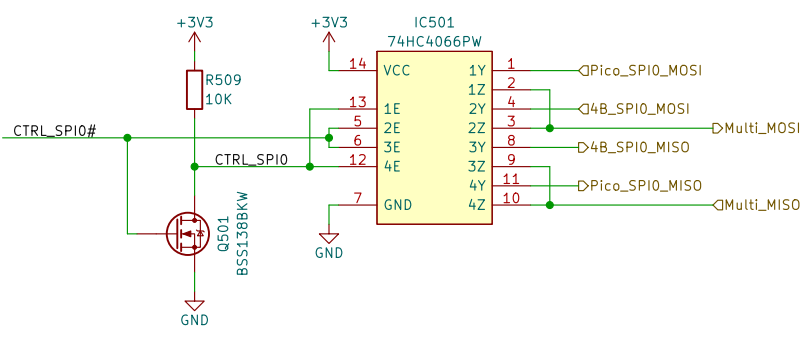
DATE	06.02.2023	17.02.2023	17.02.2023	PART-NAME: qEdge-UI	
NAME	CYA	MSC	RWO	PAGE-NAME: /User interfaces/	
	MOD/DRAW	CHECK	APP		
				SCHEMATIC-VERSION: V1.0.0	
				PCB-VERSION: V1.0.0	
VARIANT: -				Size: A3	PAGE: 4 of 5

Communication interfaces and Miscellaneous

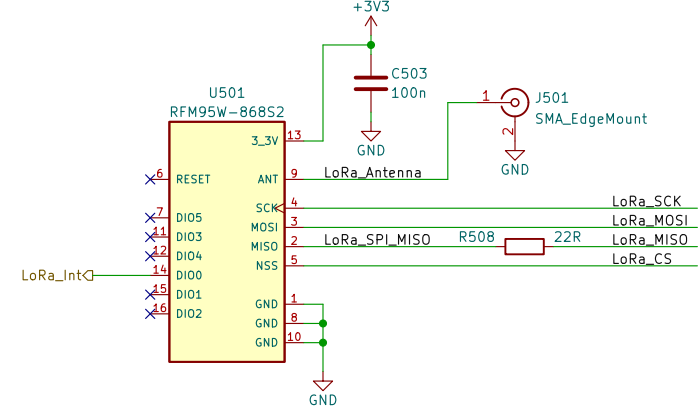
RS-485 interface



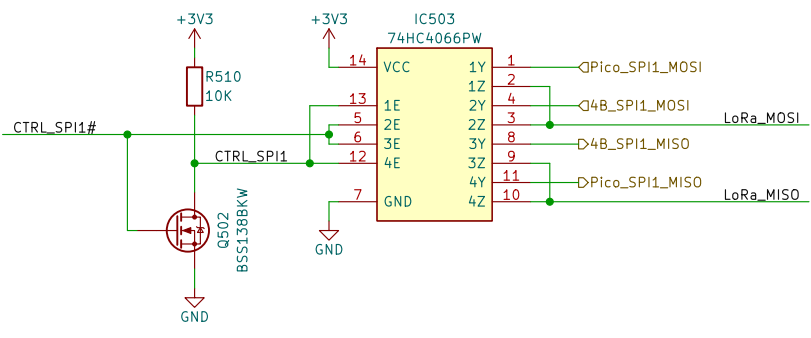
SPIO / Multi-SPI switchover



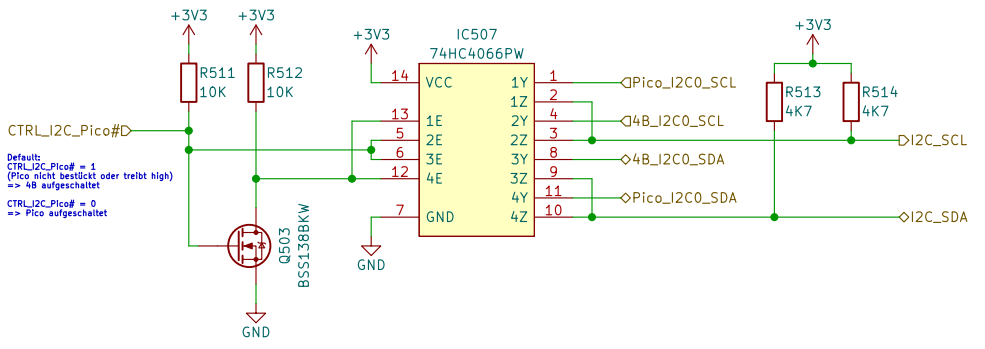
LoRa module



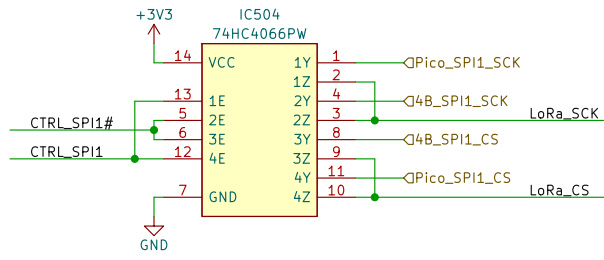
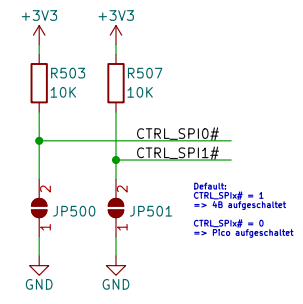
SPI1 / LoRa-only SPI switchover




I2C switchover



SPI-control soldering jumper



DATE	06.02.2023	17.02.2023	17.02.2023	PART-NAME:	qEdge-UI	
NAME	CYA	MSC	RWO	PAGE-NAME:	/Comm. ifaces, Misc/	
	MOD/DRAW	CHECK	APP			
				SCHEMATIC-VERSION:	PCB-VERSION	
				V1.0.0	V1.0.0	
VARIANT -				Size: A3	PAGE: 5 of 5	