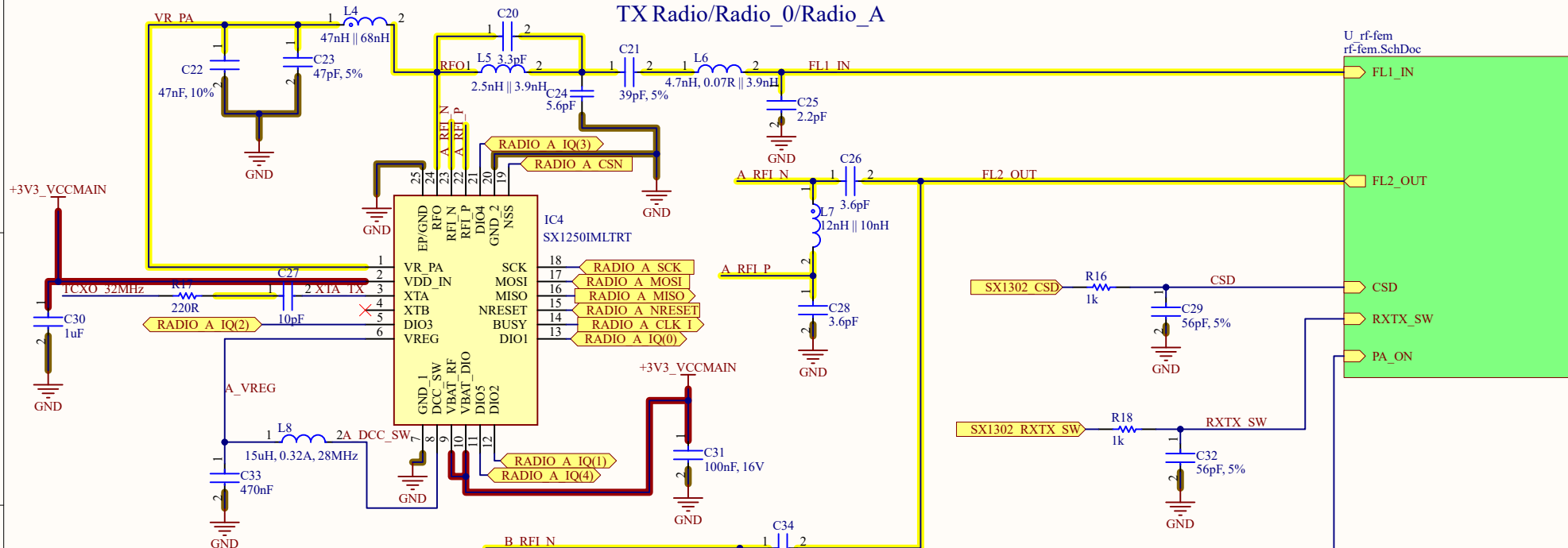
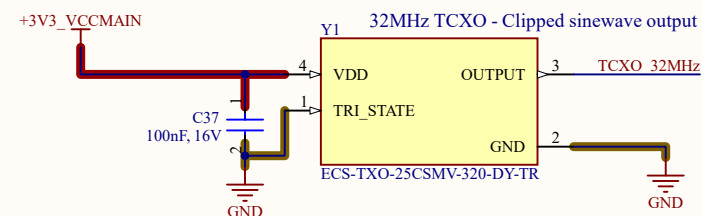
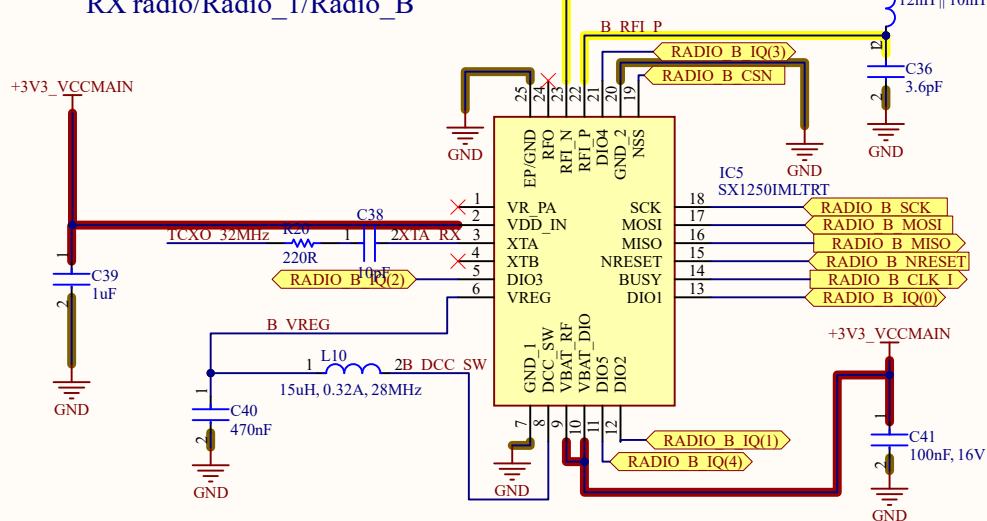


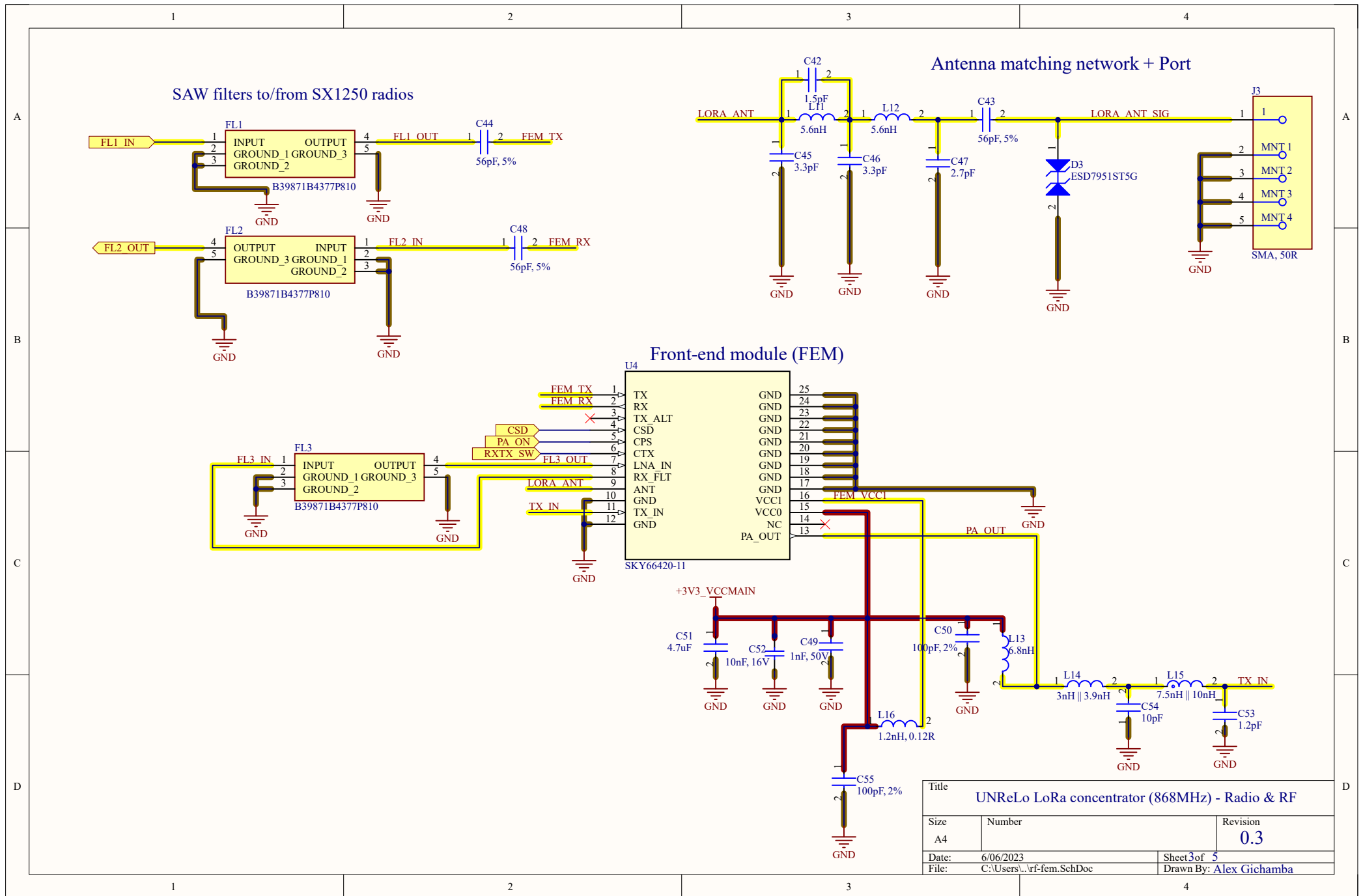
TX Radio/Radio_0/Radio_A



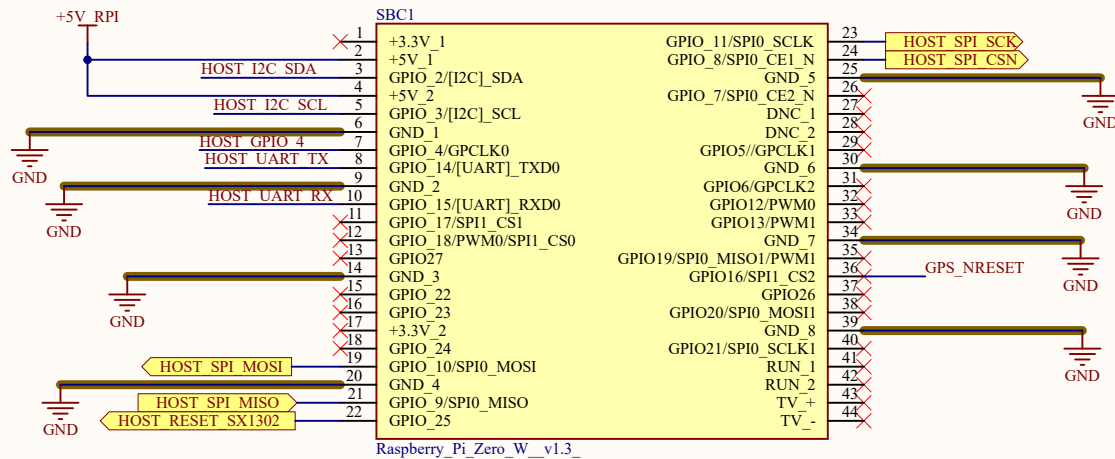
RX radio/Radio_1/Radio_B



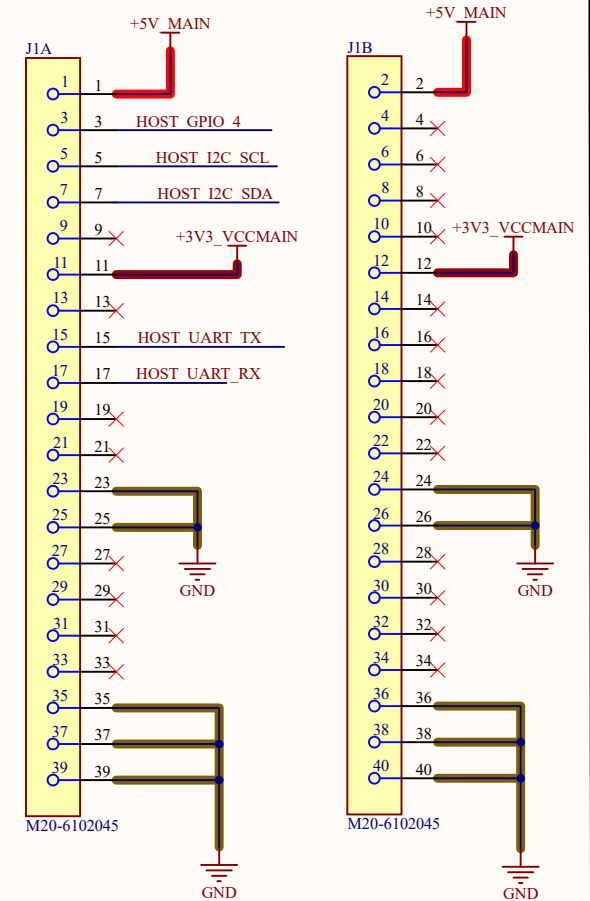
Title		
UNReLo LoRa concentrator (868MHz) - Radios & RF		
Size	Number	Revision
A4		0.3
Date:	6/06/2023	Sheet 2 of 5
File:	C:\Users\...rf.SchDoc	Drawn By: Alex Gichamba



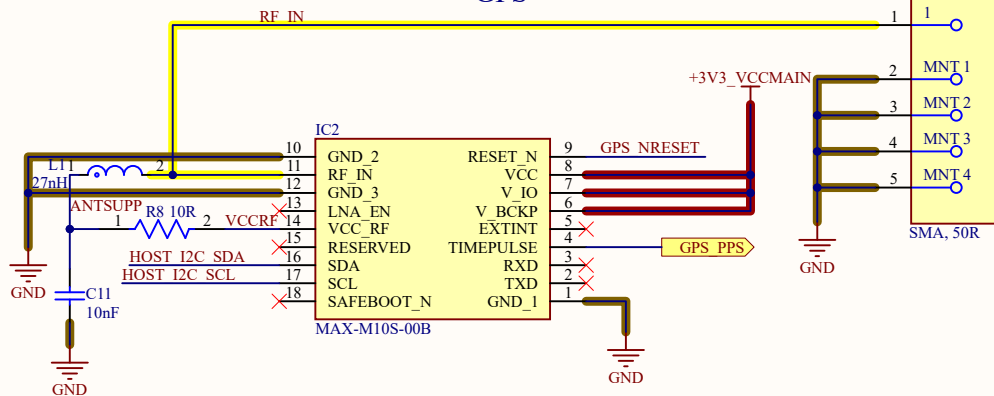
HOST - RPI Zero W



40 pin stacking conn

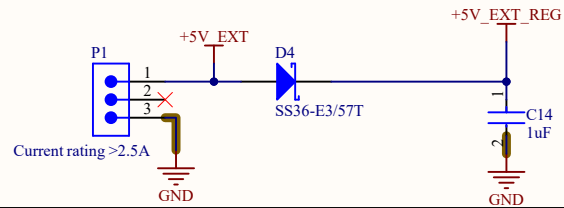


GPS

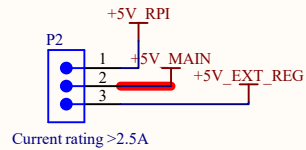


Title UNReLo LoRa concentrator (868MHz) - Host, GPS, Interface		
Size A4	Number	Revision 0.3
Date: 6/06/2023	Sheet 4 of 5	
File: C:\Users\...host.SchDoc	Drawn By: Alex Gichamba	

External +5V input port with Reverse Polarity Protection

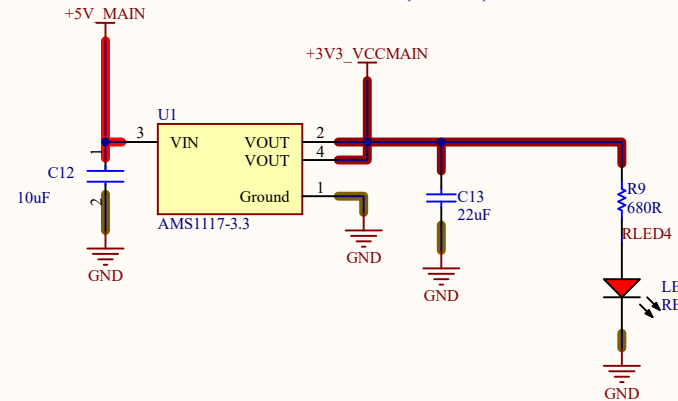


+5V input selector

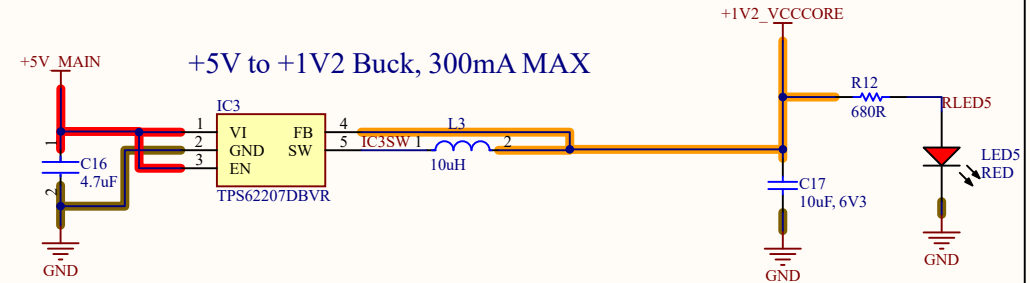


1-2: RPI powered by USB, Everything else powered by RPI +5V port
1-2-3: Everything including RPI powered by external +5V port

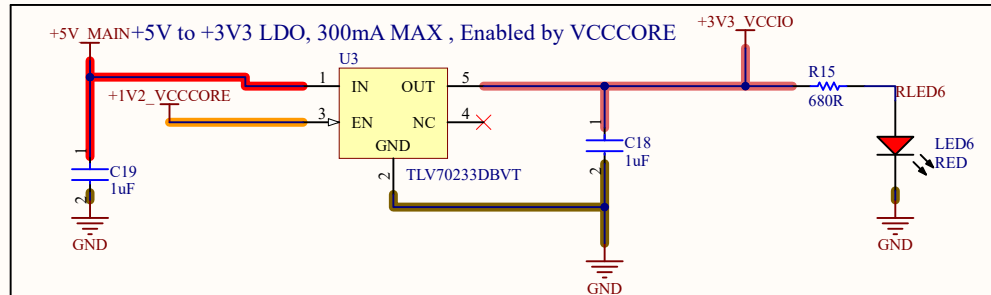
+5V to +3V3, LDO, 1A MAX



+5V to +1V2 Buck, 300mA MAX



+5V MAIN+5V to +3V3 LDO, 300mA MAX , Enabled by VCCCORE



Title UNReLo LoRa concentrator (868MHz) - Power		
Size A4	Number	Revision 0.3
Date: 6/06/2023	Sheet 5 of 5	
File: C:\Users\...power.SchDoc	Drawn By: Alex Gichamba	