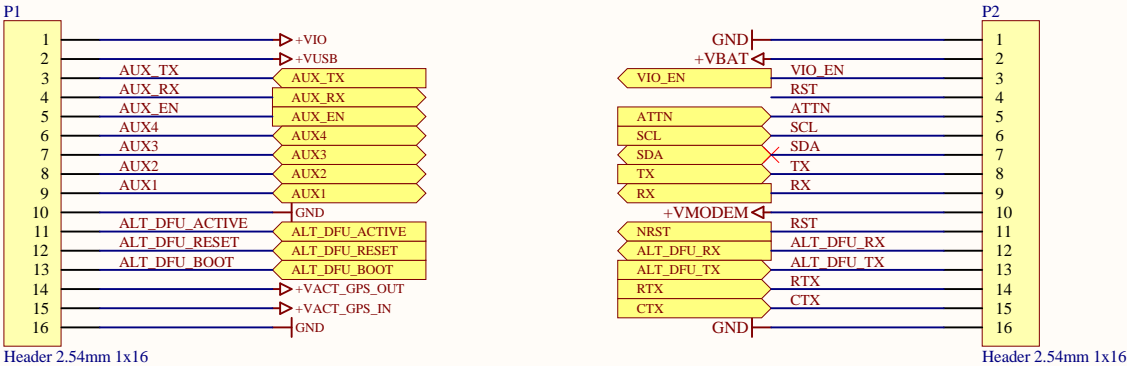
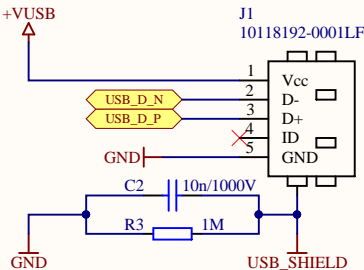


Title: 02_BLOCK-DIAGRAM.SchDoc			Cannot open file C:\Users\mmarsic\Downloads blues_roundel.png
Project: 100379_mincarrier-b.PrjPCB			
Company: Byte Lab Grupa d.o.o.		Medarska 69/1, 10000 Zagreb, Croatia www.byte-lab.com	
Author:	M. Hamin	Acceptor: M. Marsic	
Sheet 2 of 5	Rev: 10	Format: A4	

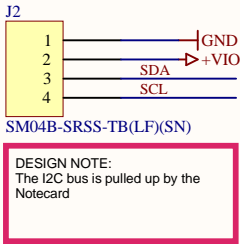
I/O Pin Headers & Castellations



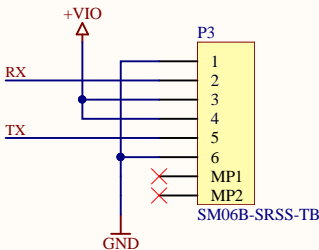
Micro USB Connector



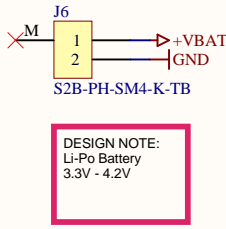
QWIIC Connector



Starnote Connector

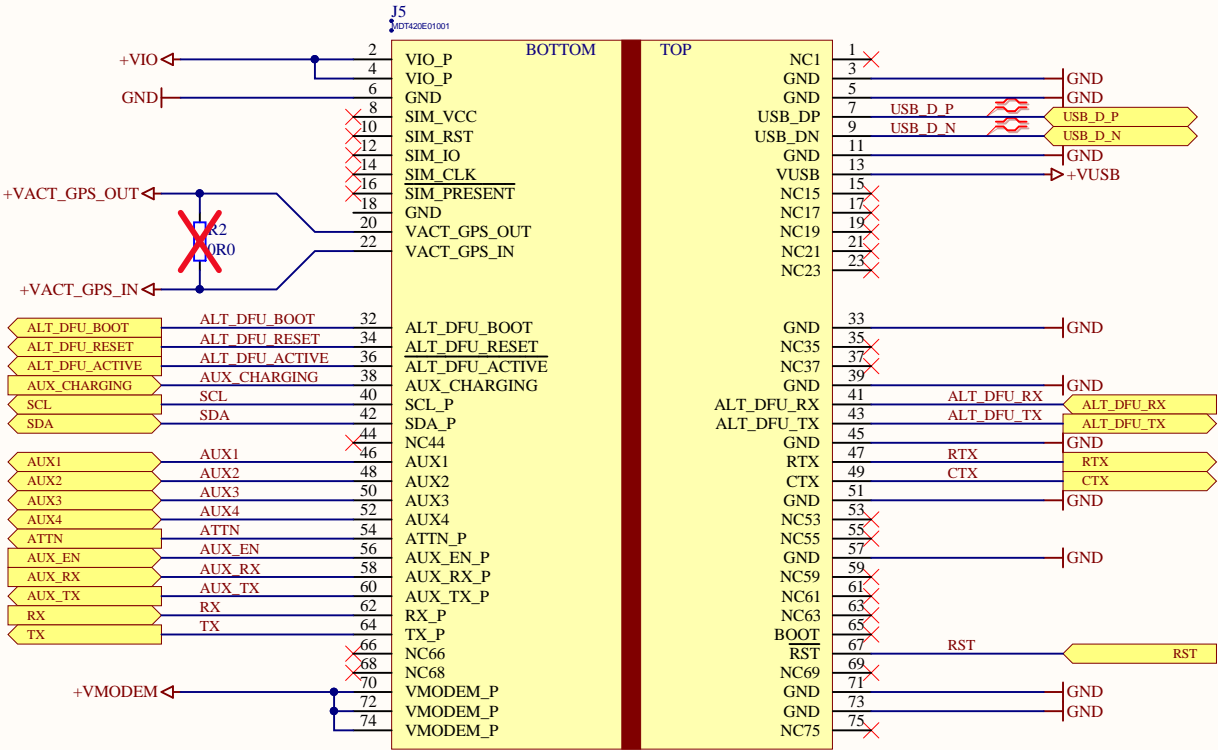


Battery Connector



Title: 03_IO-CONNECTION.SchDoc		Cannot open file C:\Users\mmarsic\Downloads\blues_roundel.png	
Project: 100379_mincarrier-b.PrjPCB			
Company: Byte Lab Grupa d.o.o.		Medarska 69/1, 10000 Zagreb, Croatia www.byte-lab.com	
Author:	M. Hamin	Acceptor:	M. Marsic
Sheet 3 of 5		Rev: 10	Format: A4

Notecard Connector



Title: 04_NOTECARD-CONNECTION.SchDoc			Cannot open file C:\Users\mmarsic\Downloads blues_roundel.png
Project: 100379_mincarrier-b.PrjPCB			
Company: Byte Lab Grupa d.o.o.		Medarska 69/1, 10000 Zagreb, Croatia www.byte-lab.com	
Author: M. Hamin	Acceptor: M. Marsic		
Sheet 4 of 5	Rev: 10	Format: A4	

Battery Charger w/ Power Path

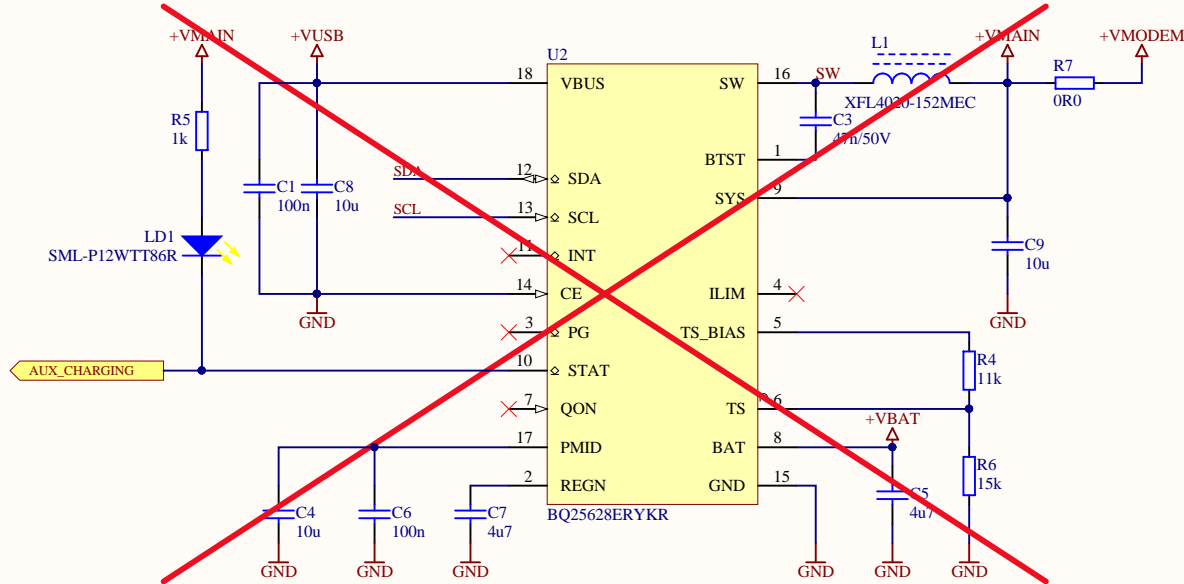
DESIGN NOTE:

Charger:
- Default charging voltage: 4.2V
- Default charging current: 320mA
- Default termination current: 20mA
- Default pre-charge current: 20mA
- No battery thermal protection

DESIGN NOTE:

Power Path:
- Input current limit: 3.5A
- 26mOhm reverse blocking transistor
- 15mOhm battery transistor

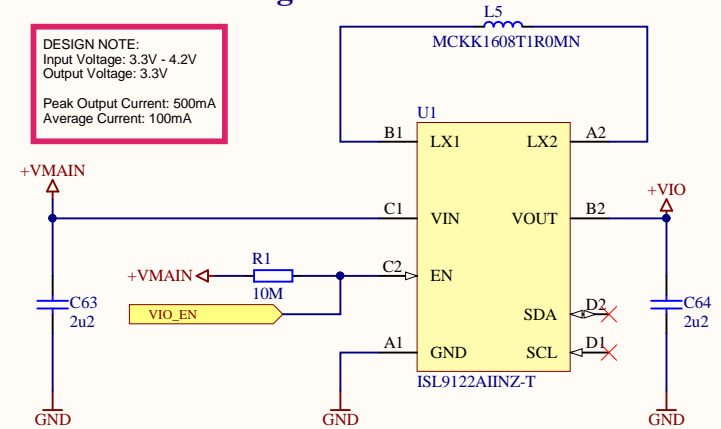
Buck Regulator:
- 1.5MHz frequency
- Input Voltage: 5V
- Output Voltage: 3.3-4.2V
- Peak current: 2.5A



3V3 Buck/Boost Regulator

DESIGN NOTE:

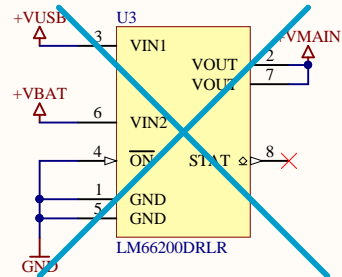
Input Voltage: 3.3V - 4.2V
Output Voltage: 3.3V
Peak Output Current: 500mA
Average Current: 100mA



✗ Notecarrier XM

✗ Notecarrier XL

Power ORing



Title: 05_POWER.SchDoc		Cannot open file C:\Users\mmarsic\Downloads blues_roundel.png	
Project: 100379_minicarrier-b.PrjPCB			
Company: Byte Lab Grupa d.o.o.		Medarska 69/1, 10000 Zagreb, Croatia www.byte-lab.com	
Author:	M. Hamin	Acceptor:	M. Marsic
Sheet 5 of 5		Rev: 10	Format: A4