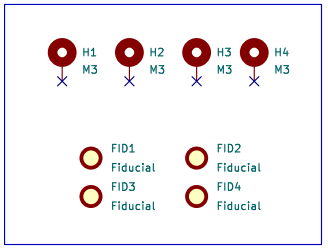
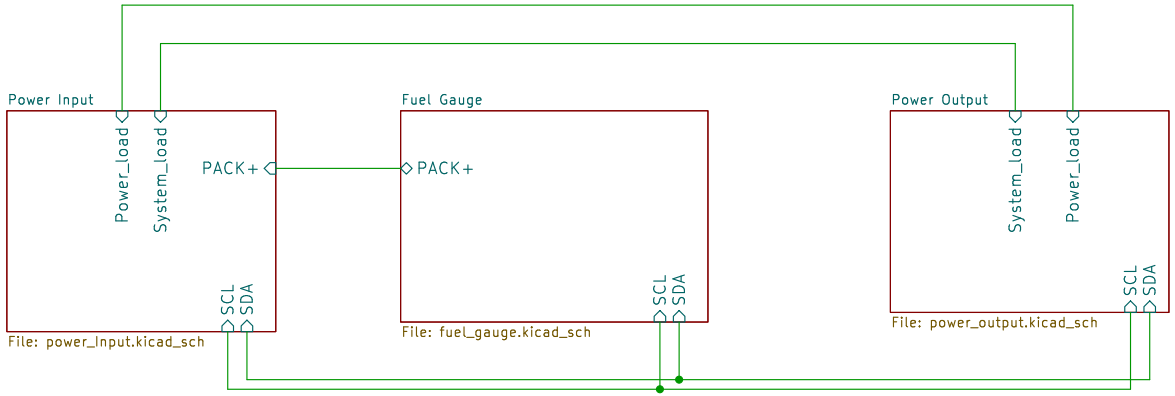
Mechanical





Title: LION2CELL01D

2-cell Li-ion Battery Managment System

Author: jacho <jacho@mlab.cz>

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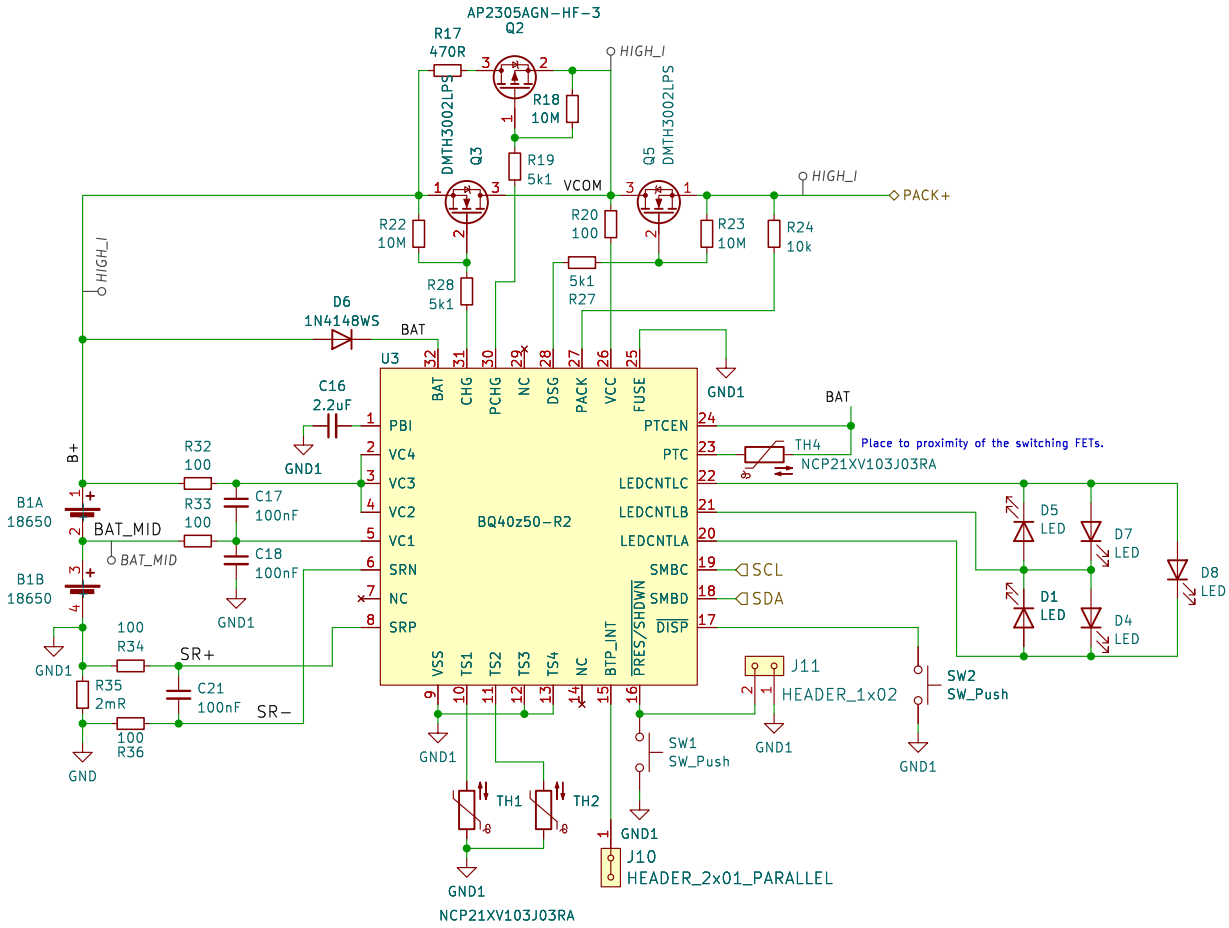

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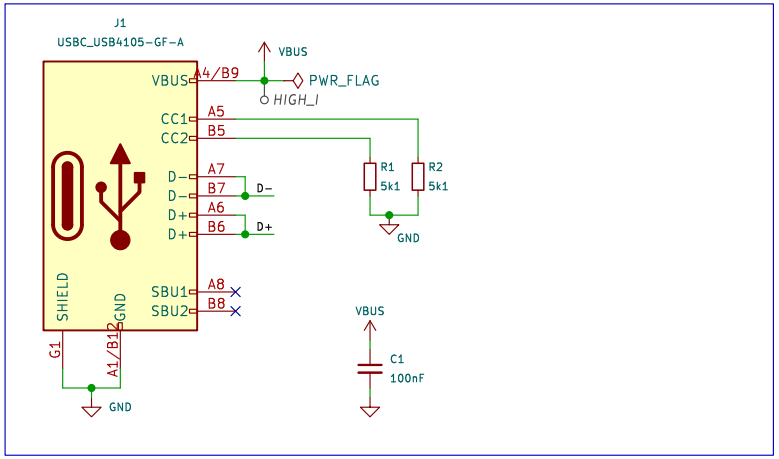
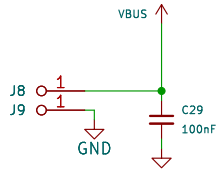
USB-C interface

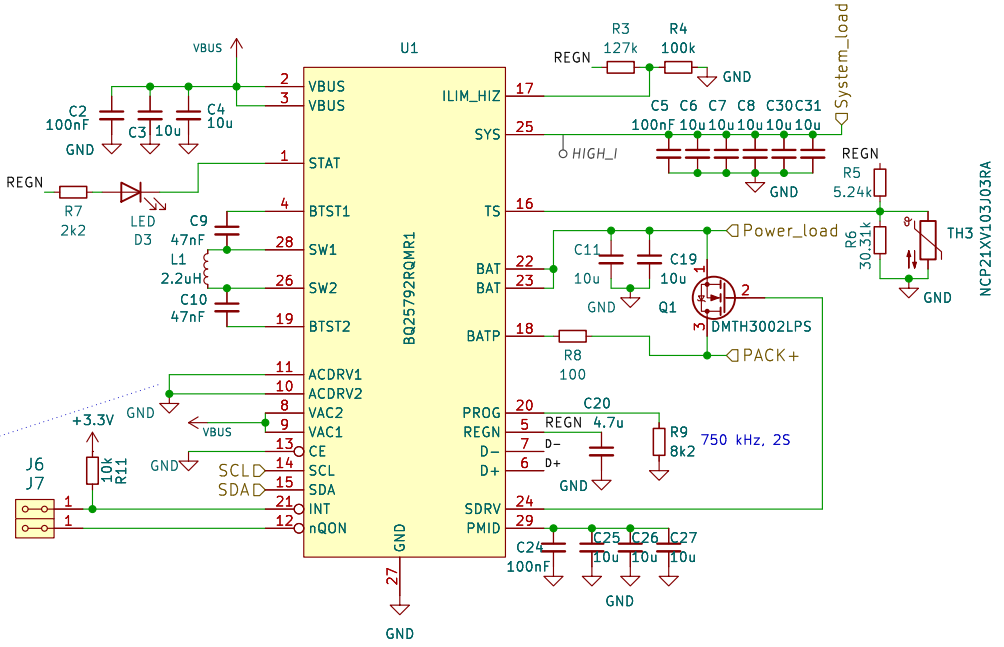


High-power DC input

TODO: Implement power source switching. From Figure 10-1.



Battery Charger



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Author:		
Size: A4	Page: 3/4	Date:

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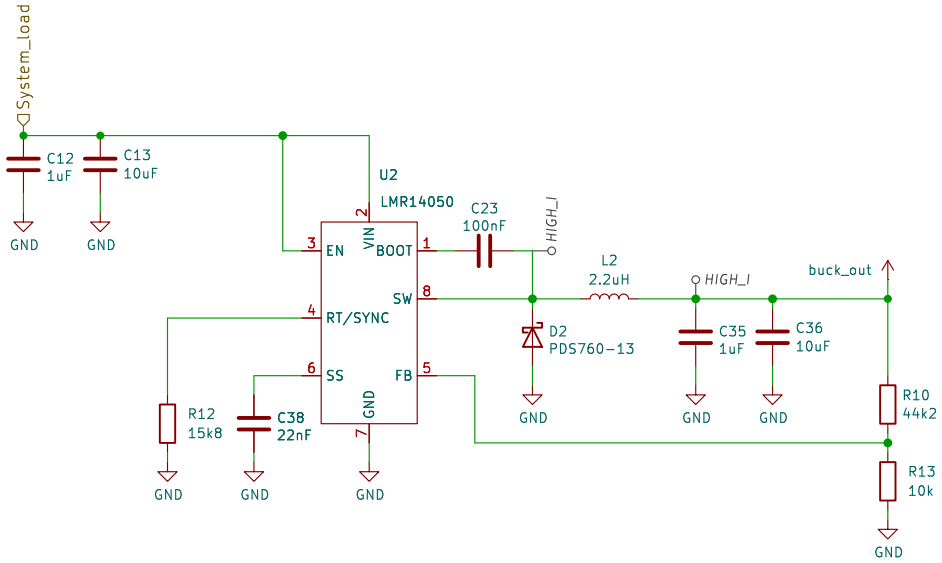
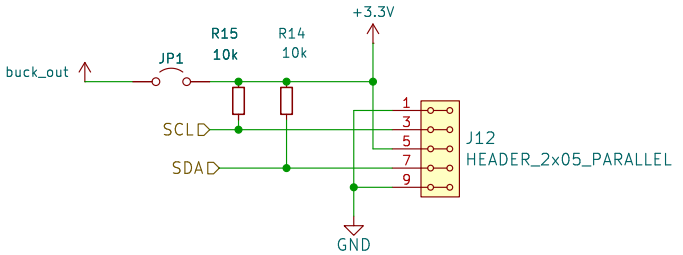
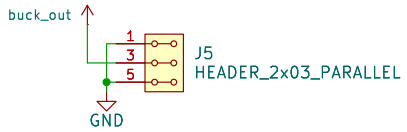
Buck convertor power source (LMR14050):
==========

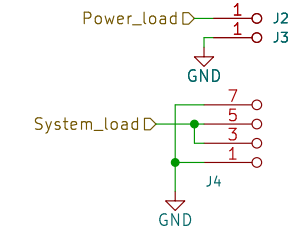
Designed parameters:
- Source voltage: 4 – 8.4V (Two liion cells)
- Output voltage: 5V
- Output current: 2A (IC maximal continuous current is 5A)
- Output inductance: 2.2 uH, K_{ind}: 33%,
- Switching frequenci: 1.5 Mhz (15k8)
- OutC (Vripp: 50mV): 2uF







POWER OUTPUT



RFBT (feedback top resistor values)
==========
Bottom value fixed 10k Ohm

68 kOhm – 5.1V
44 kOhm – 3.3V

Title:

Author:

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