
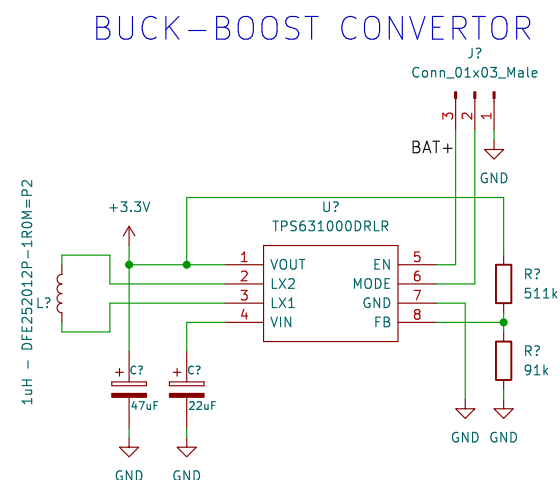
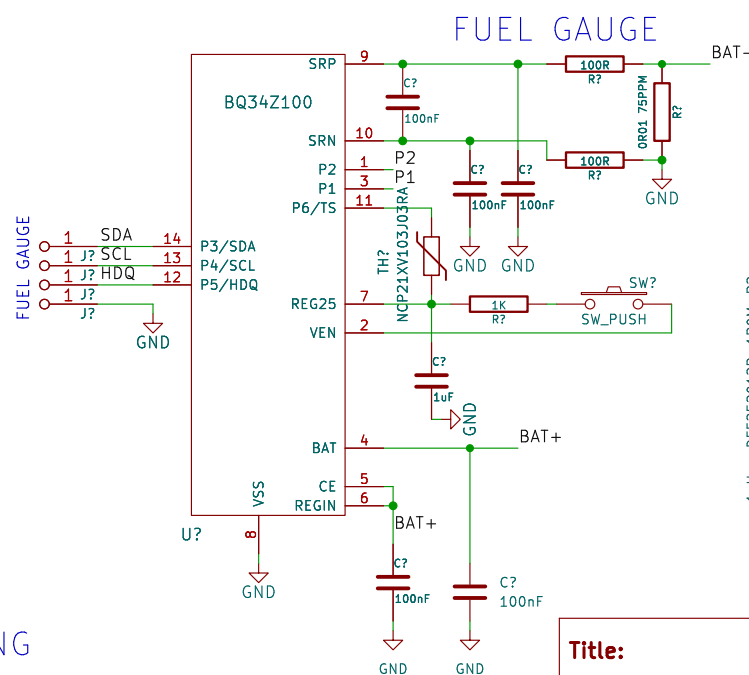
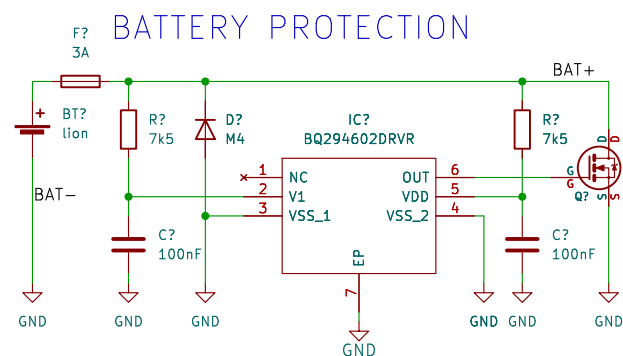
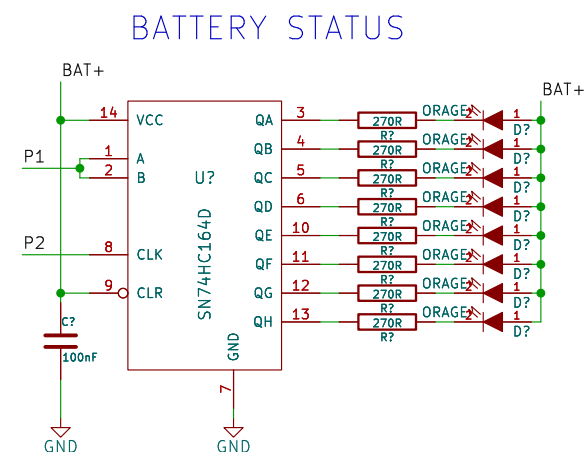
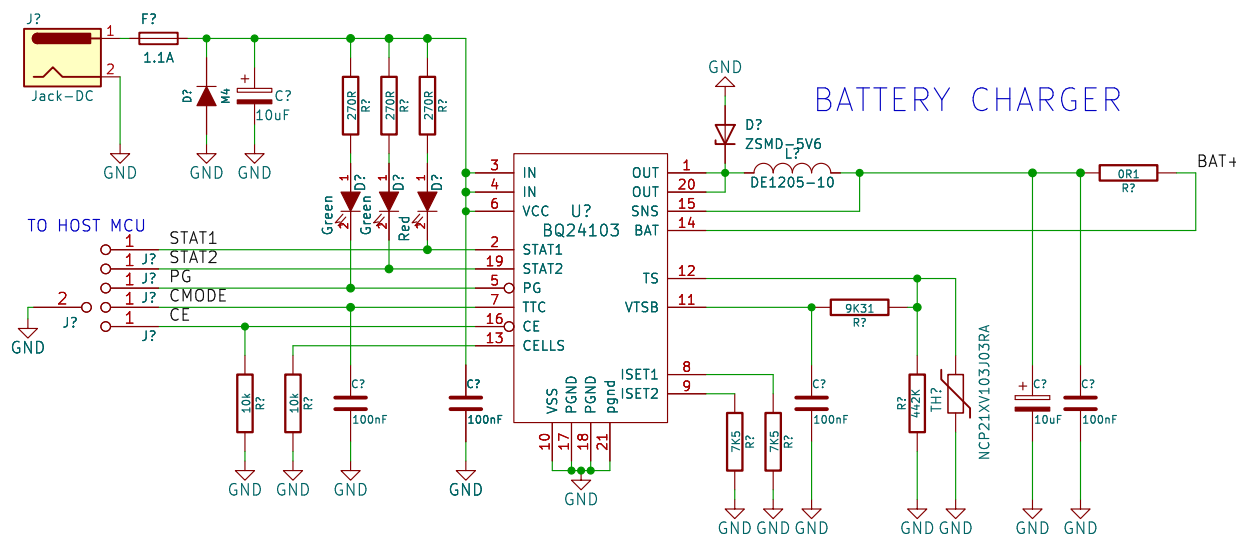


1	2	3	4	5	6
A					
B	<div>Power_management</div> <div>File: Power_management.kicad_sch</div>	<div>Microcontroller</div> <div>File: Microcontroller.kicad_sch</div>	<div>Peripherals</div> <div>File: Peripherals.kicad_sch</div>	<div>Connectors</div> <div>File: Connectors.kicad_sch</div>	
C					
D	<div><div><div>Title: DATALOGGER01A</div><div><div>Universal battery powered SDcard datalogger.</div><div>Author: Mlab www.mlab.cz</div><div>Size: A4Page: 1/6Date: 2022-08-14</div></div><div></div></div></div>				
1	2	3	4	5	6



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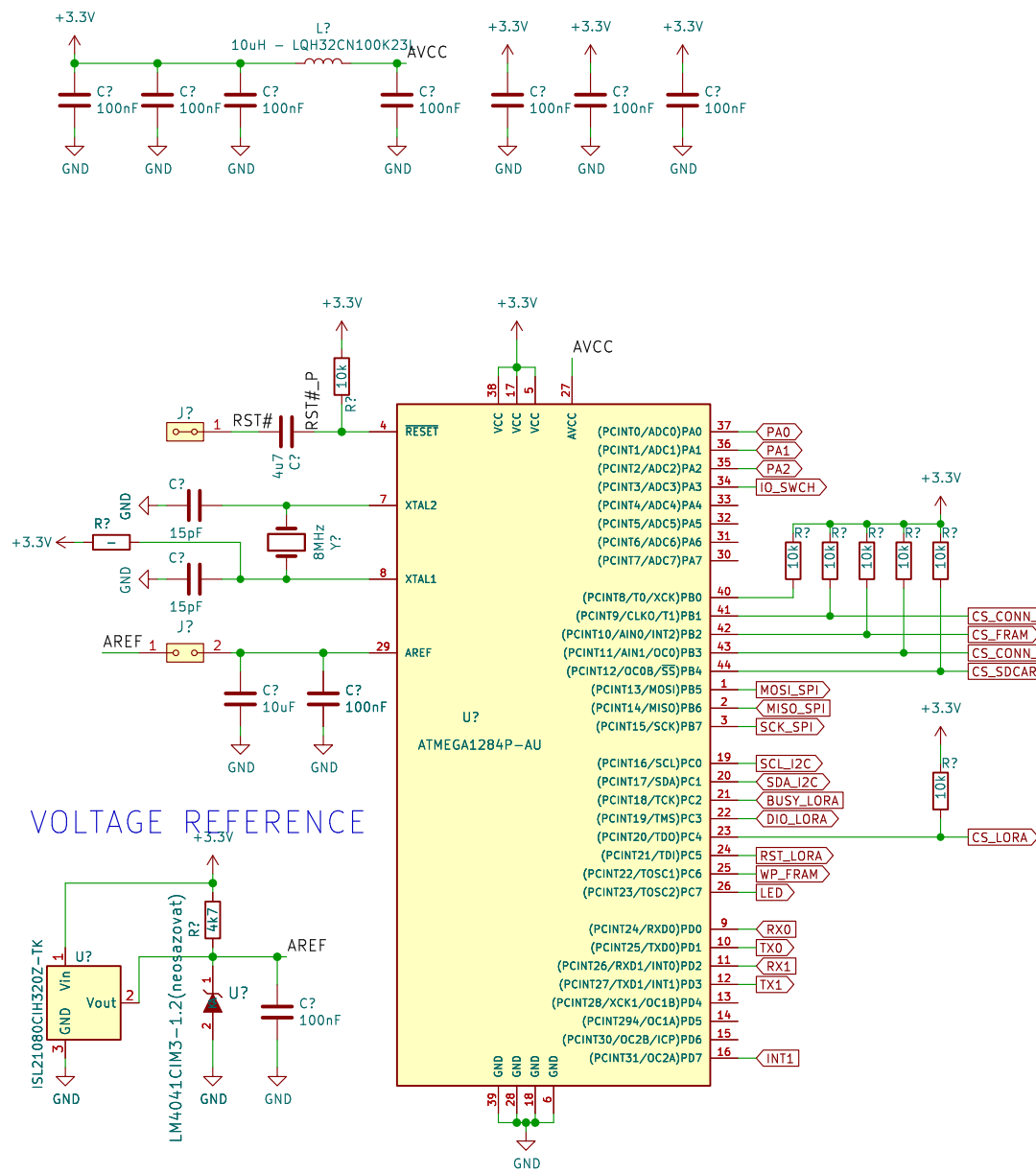
Author:

Size: A4

Page: 2/6

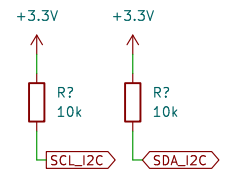
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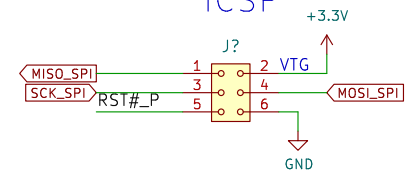


VOLTAGE REFERENCE

I2C PULL UPS



ICSP



- PB0 -
- PB1 - CS_CONN_1
- PB2 - CS_FRAM
- PB3 - CS_CONN_2
- PB4 - CS_SDCARD
- PB5 - MOSI_SPI
- PB6 - MISO_SPI
- PB7 - SCK_SPI

Title:

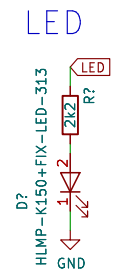
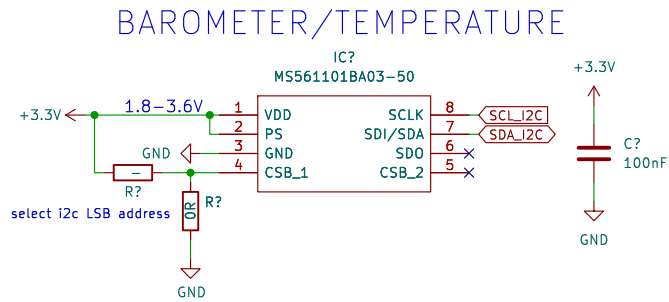
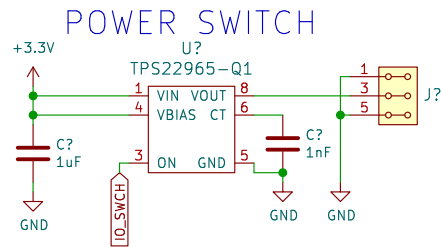
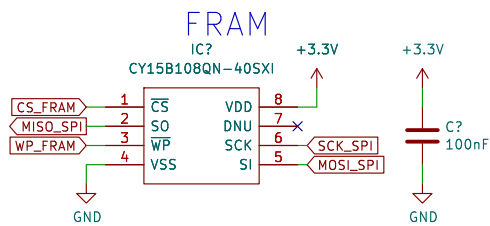
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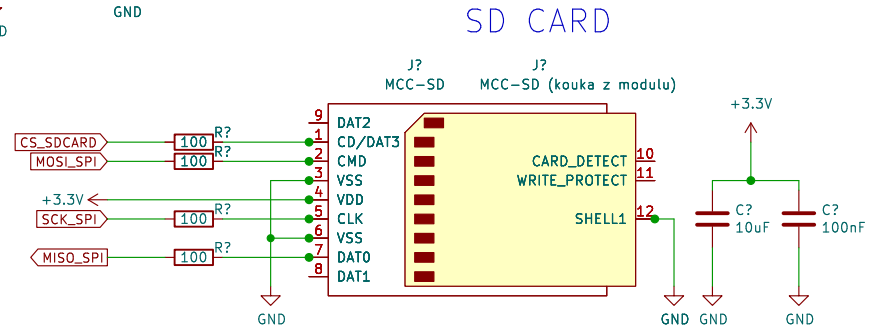
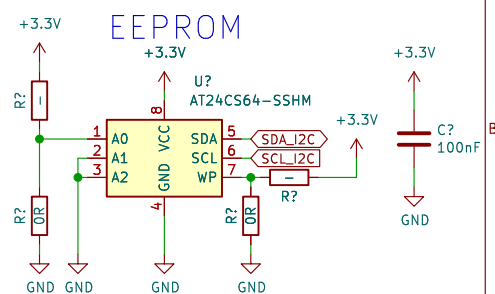
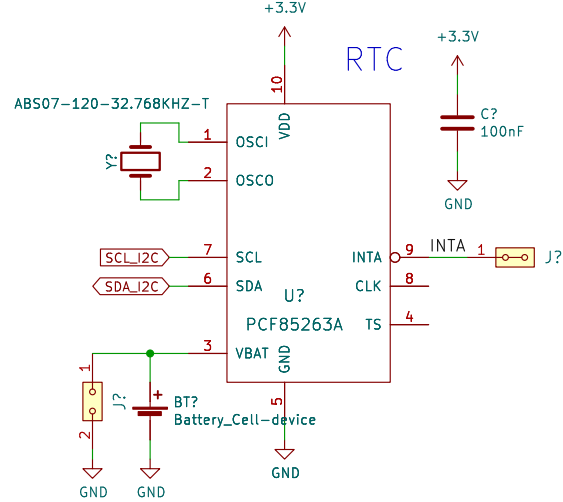
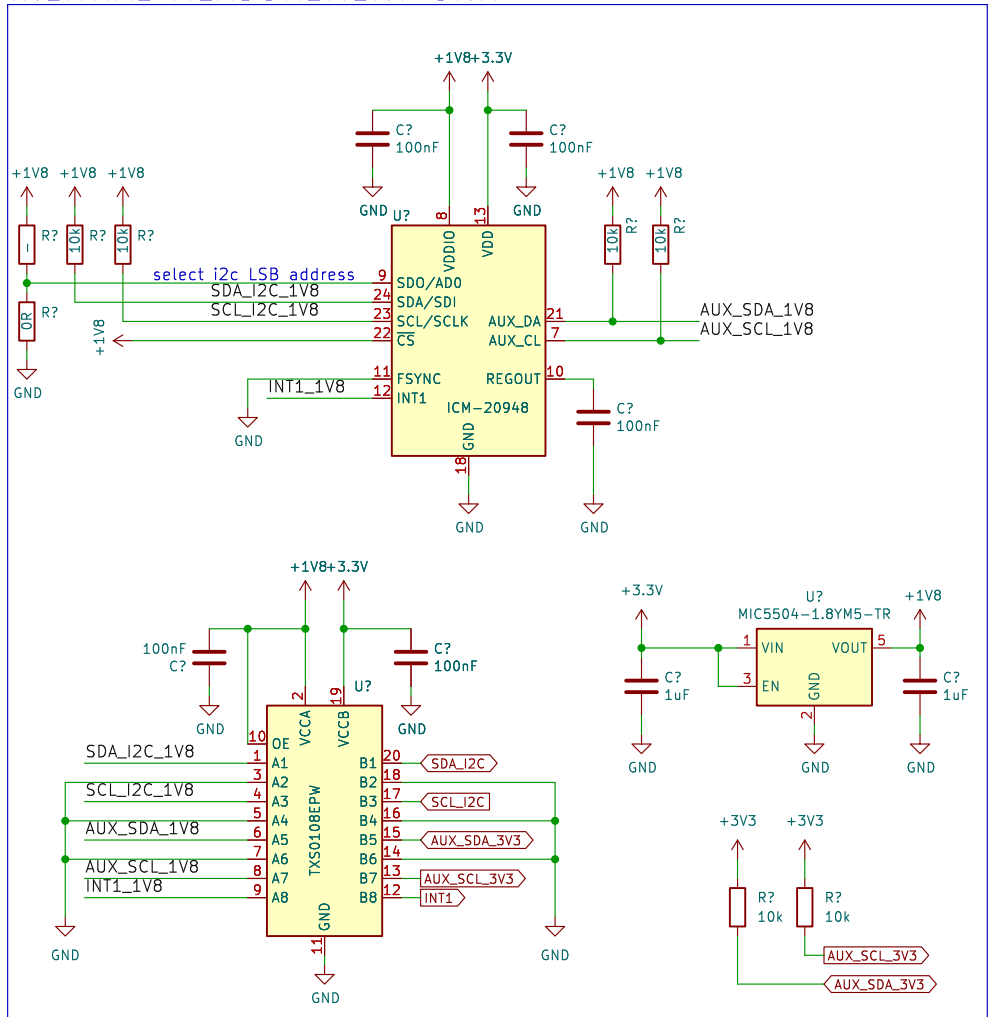
Page: 3/6

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INERTIAL MEASUREMENT UNIT



Title:

Author:

Size: A4

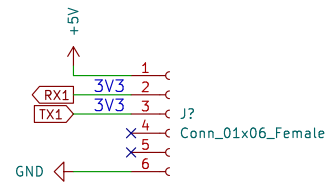
Page: 4/6

Date:

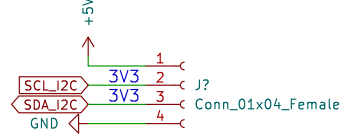


PIXHAWK STANDARD HEADERS

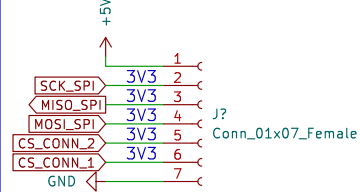
UART CONN.



I2C CONN.

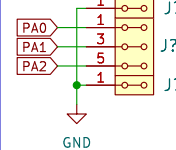


SPI CONN.

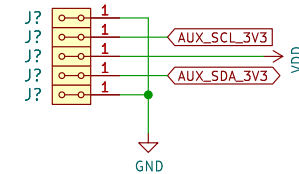


PIN HEADERS

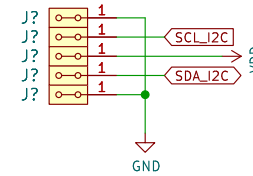
ANALOG CONN



AUX_I2C CONN



I2C CONN



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Date:



[illegible]

SUPERCAP MANAGEMENT

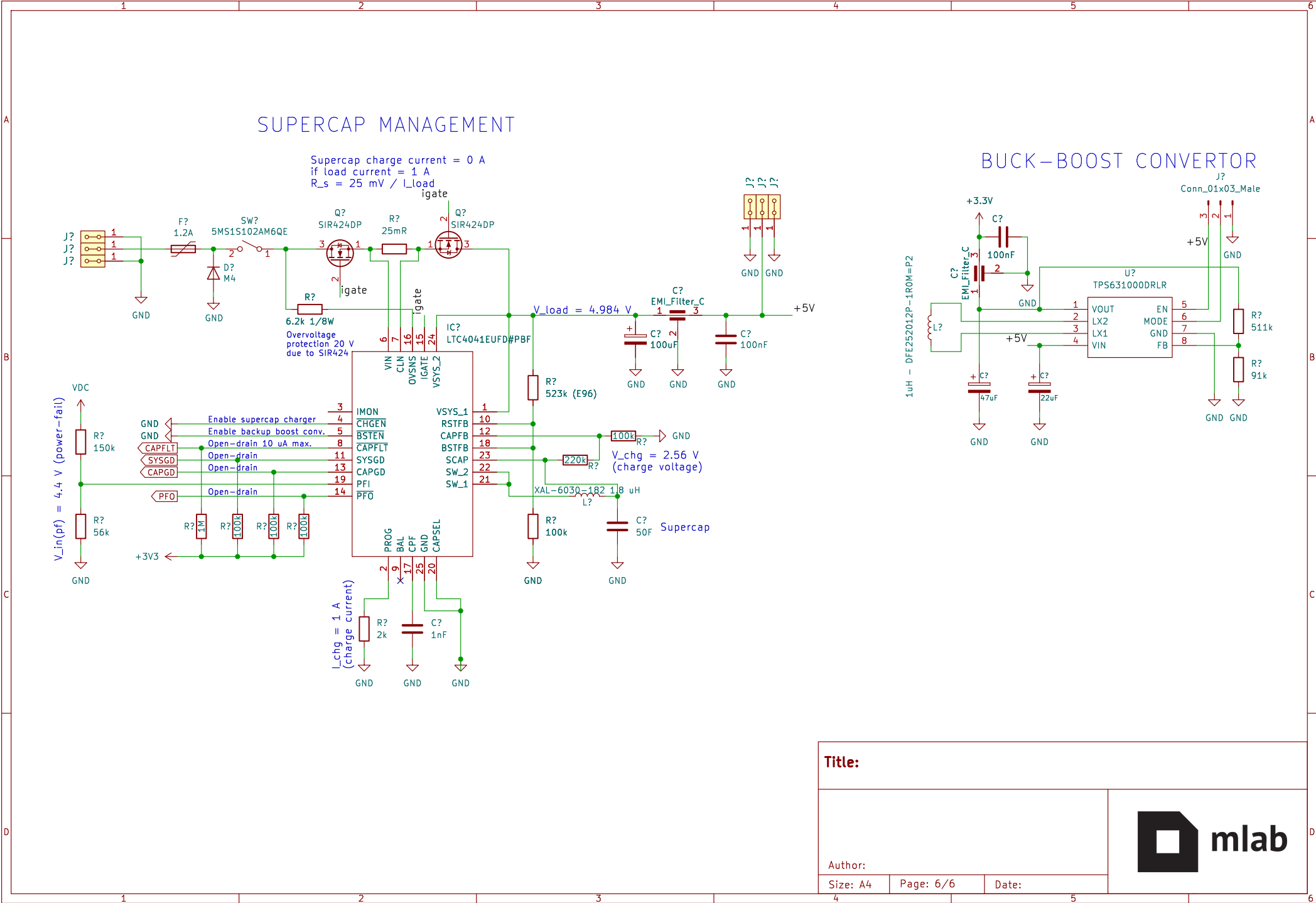
Supercap charge current = 0 A
if load current = 1 A
 $R_s = 25 \text{ mV} / I_{\text{load}}$

V_{in(pf)} = 4.4 V (power-fail)

L_{chg} = 1 A (charge current)

V_{chg} = 2.56 V (charge voltage)

BUCK-BOOST CONVERTOR



			
Author:			
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