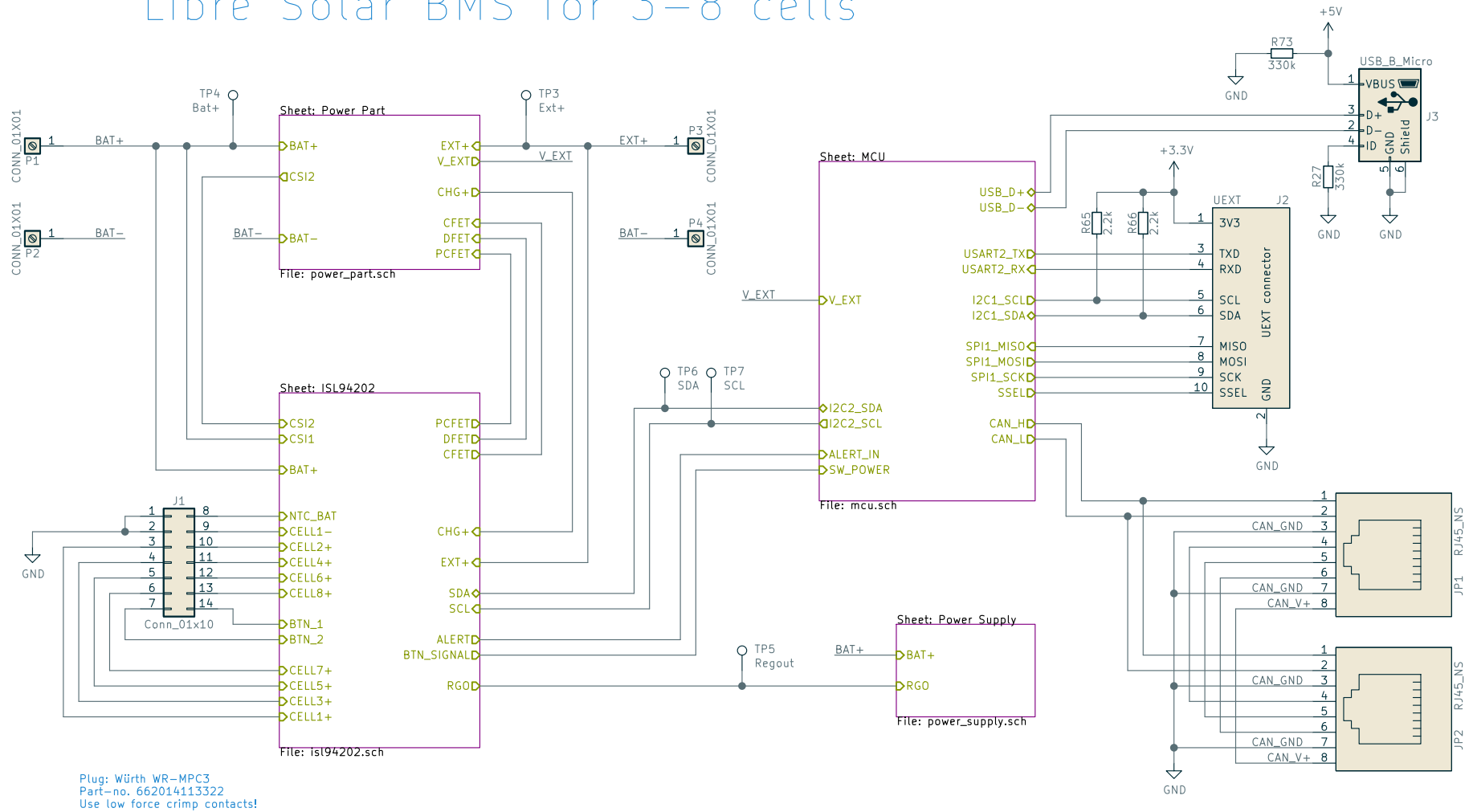


Libre Solar BMS for 3-8 cells



H1
MountingHole

H2
MountingHole



BMS 8S50 IC

Libre Solar
Author: Martin Jäger

Sheet: /
File: bms-8s50-ic.sch

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Size: A4 Date: 2020-05-08

KiCad E.D.A. kicad 5.1.5

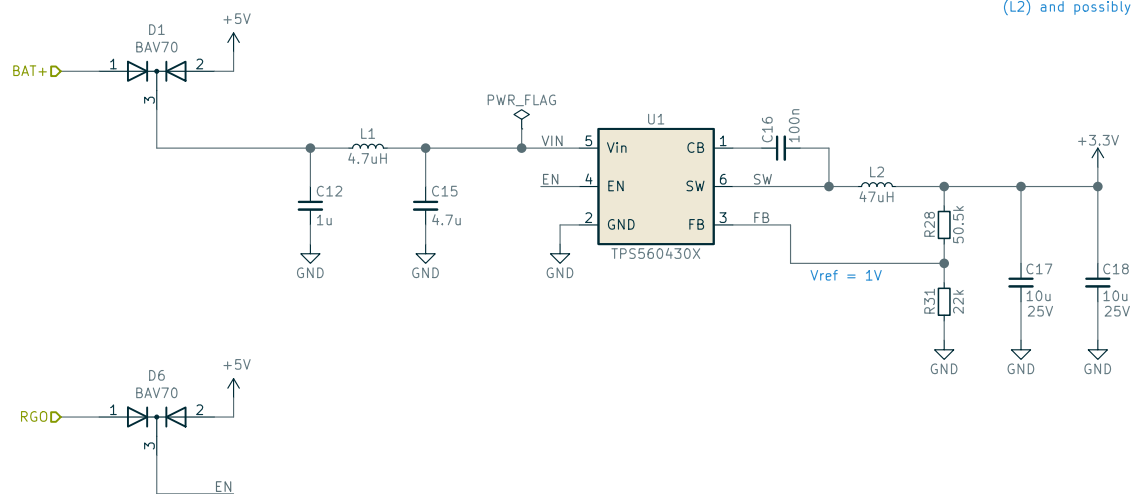


Rev: 0.1.1

Page: 1/5

Battery to 3.3V (SMPS)

ToDo: Check Bourns inductor part number (L2) and possibly reduce footprint size



BMS 8S50 IC

Libre Solar
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Sheet: /Power Supply/
File: power_supply.sch

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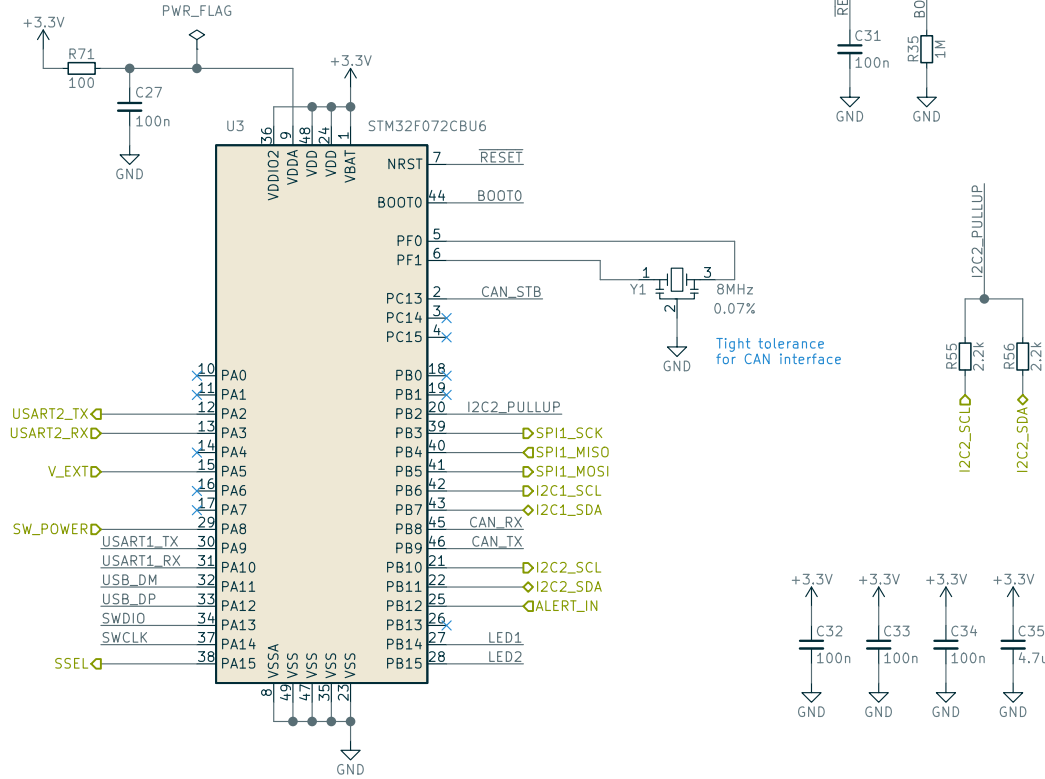


Rev: 0.1.1

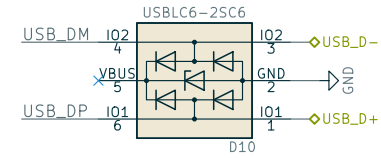
Page: 2/5

MCU STM32F072

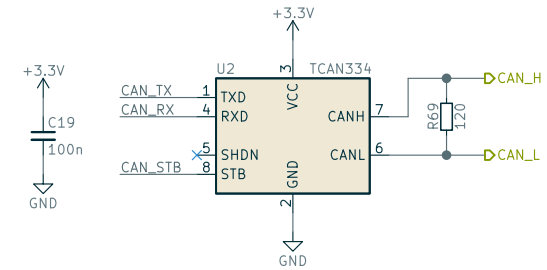
Alternative: STM32L452CxU6



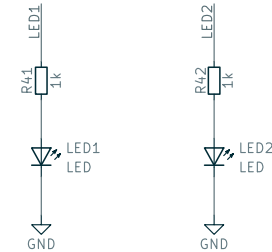
USB ESD protection



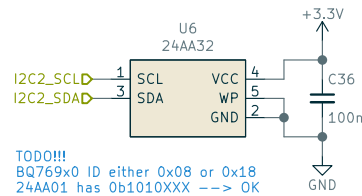
CAN transceiver



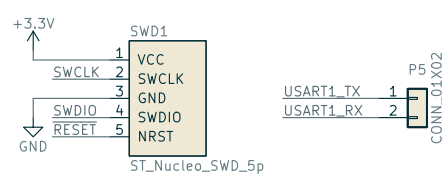
Status LEDs



EEPROM



STM Nucleo SWD and USART



BMS 8S50 IC

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Author: Martin Jäger
Sheet: /MCU/
File: mcu.sch

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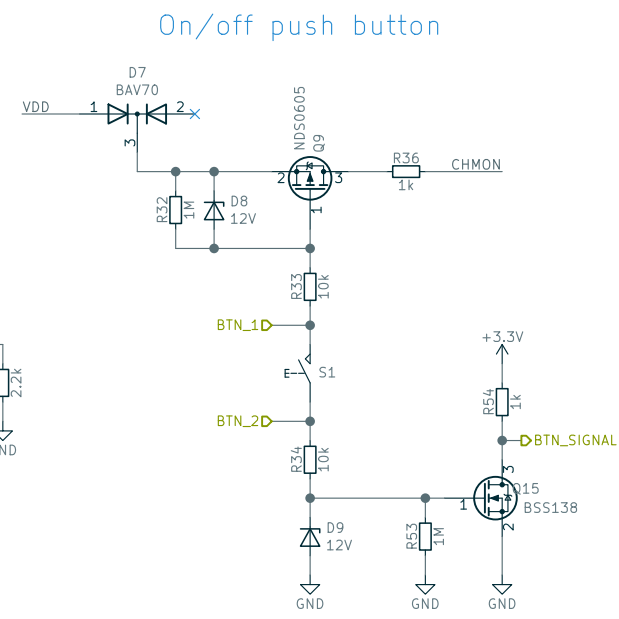
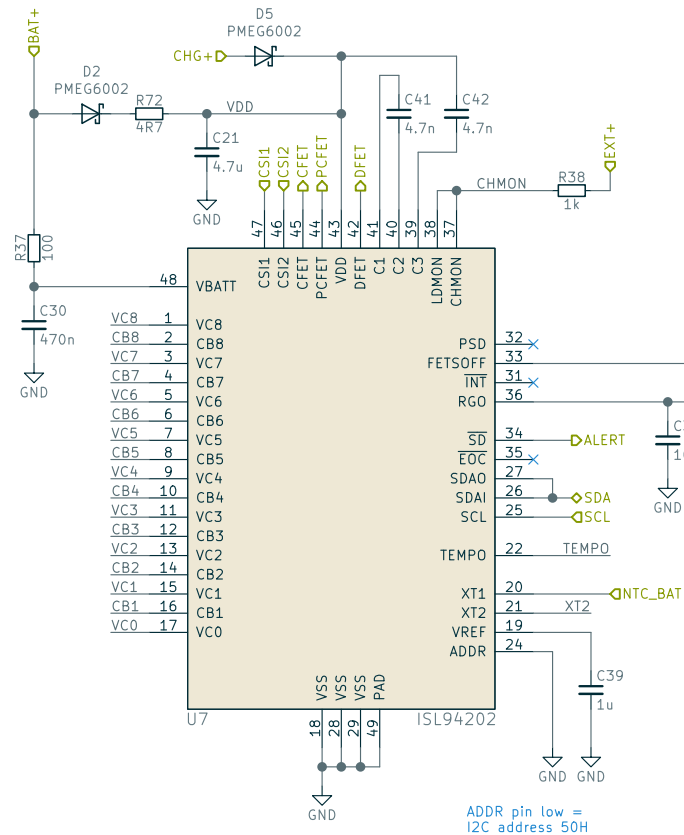
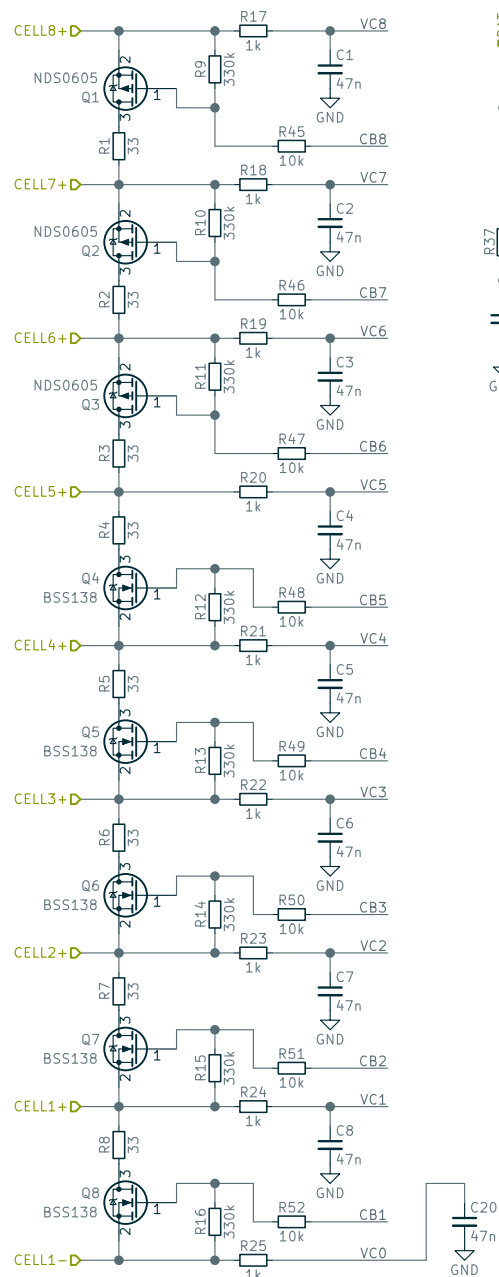
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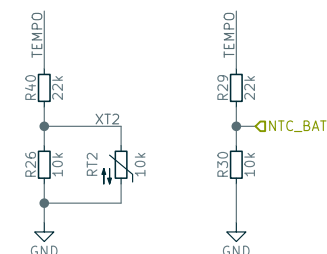


Rev: 0.1.1

Page: 4/5



Temperature sensors



BMS 8S50 IC

Libre Solar



Sheet: /ISL94202/
File: isl94202.sch

Size: A4

Date: 2020-05-08

Rev: 0.1.1

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Page: 5/5