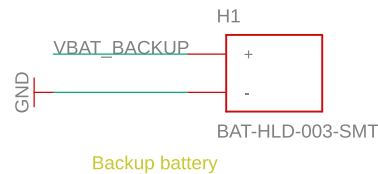
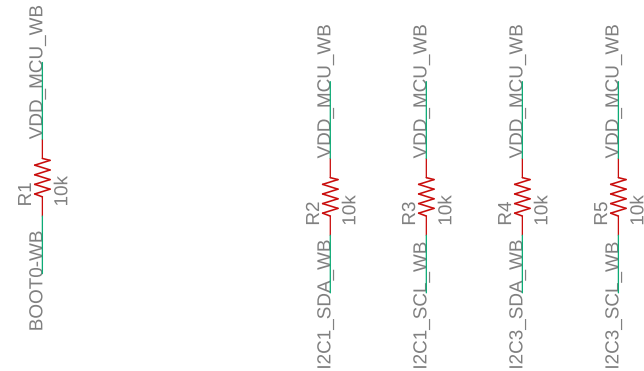
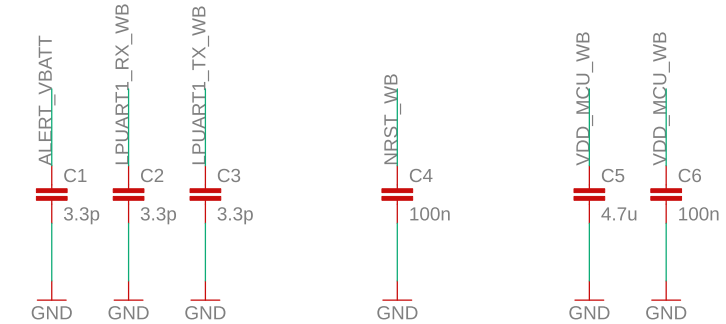
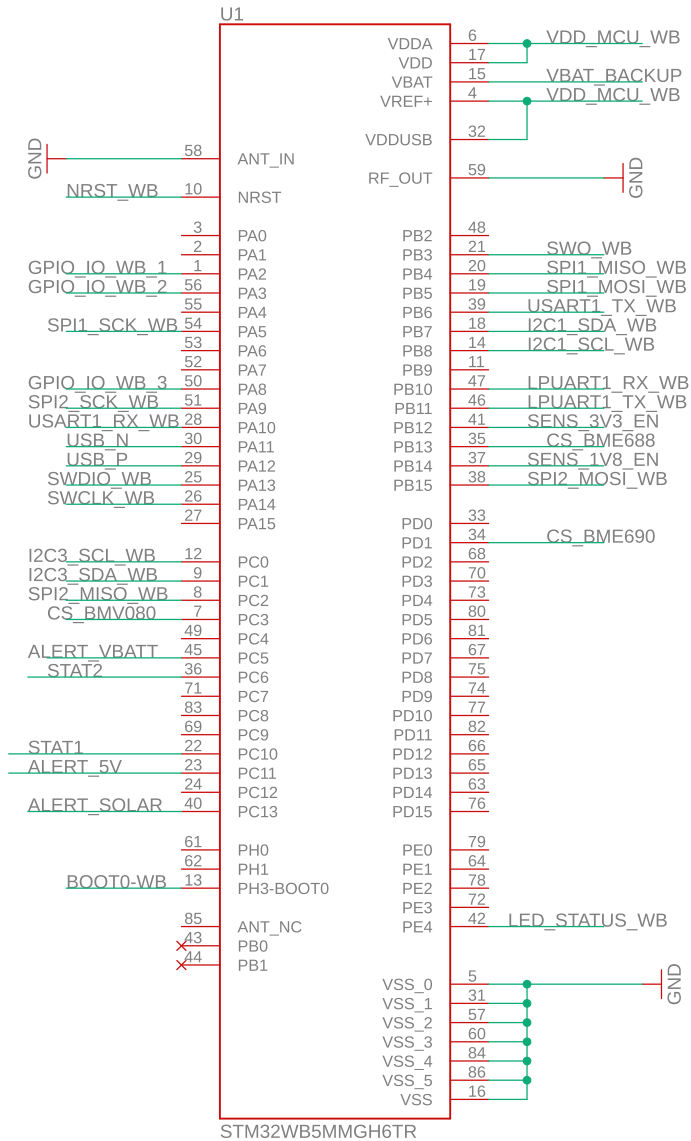


BLE module



Battery type:CR-2032/BN RS

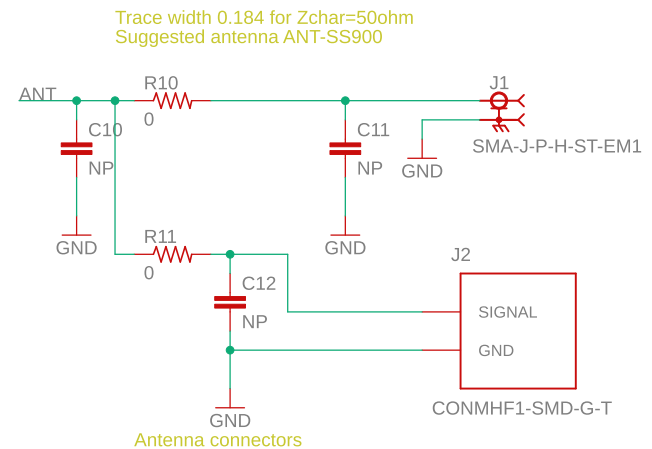
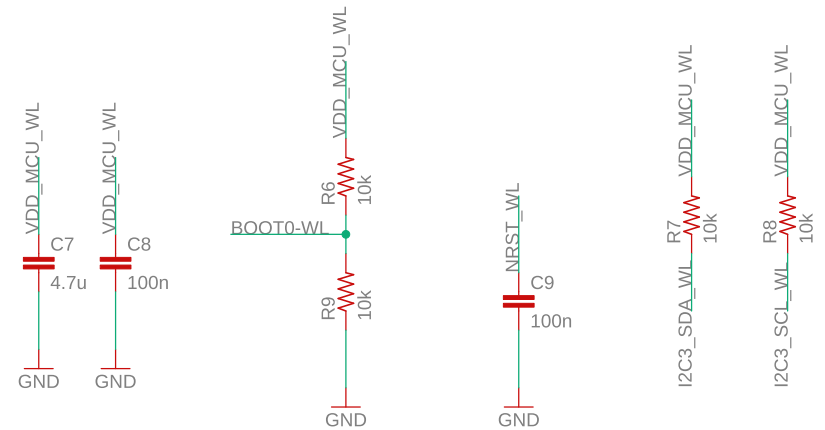
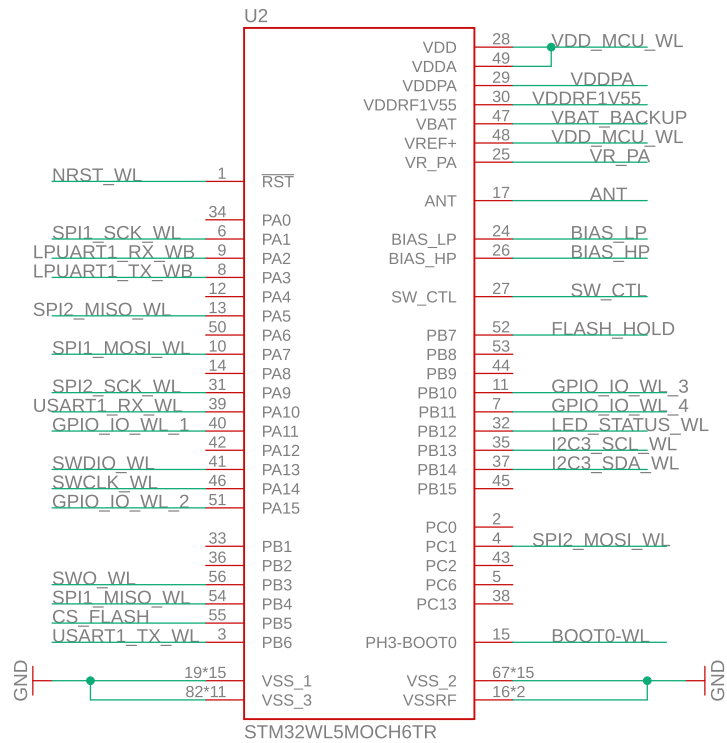
Matteo Verzeroli ©

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16/01/2026 15:29

Sheet: 1/11

LoRa module



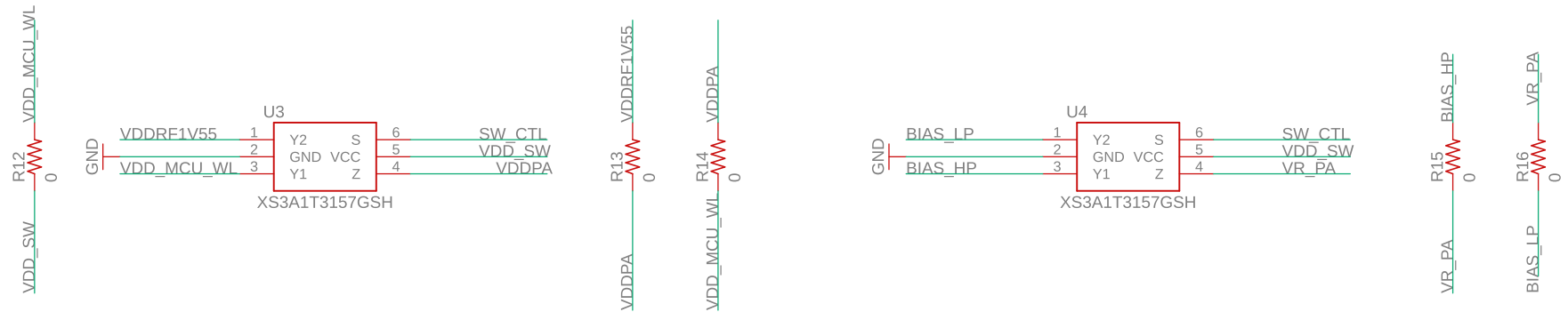
Matteo Verzeroli ©

CUBE v1_0 v92

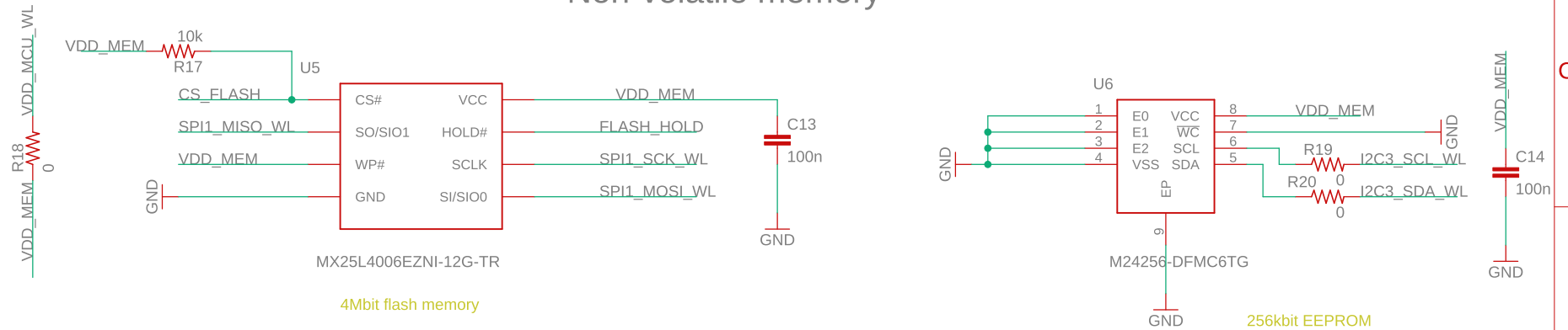
16/01/2026 15:29

Sheet: 2/11

Digital switch for RF power selection



Non-volatile memory



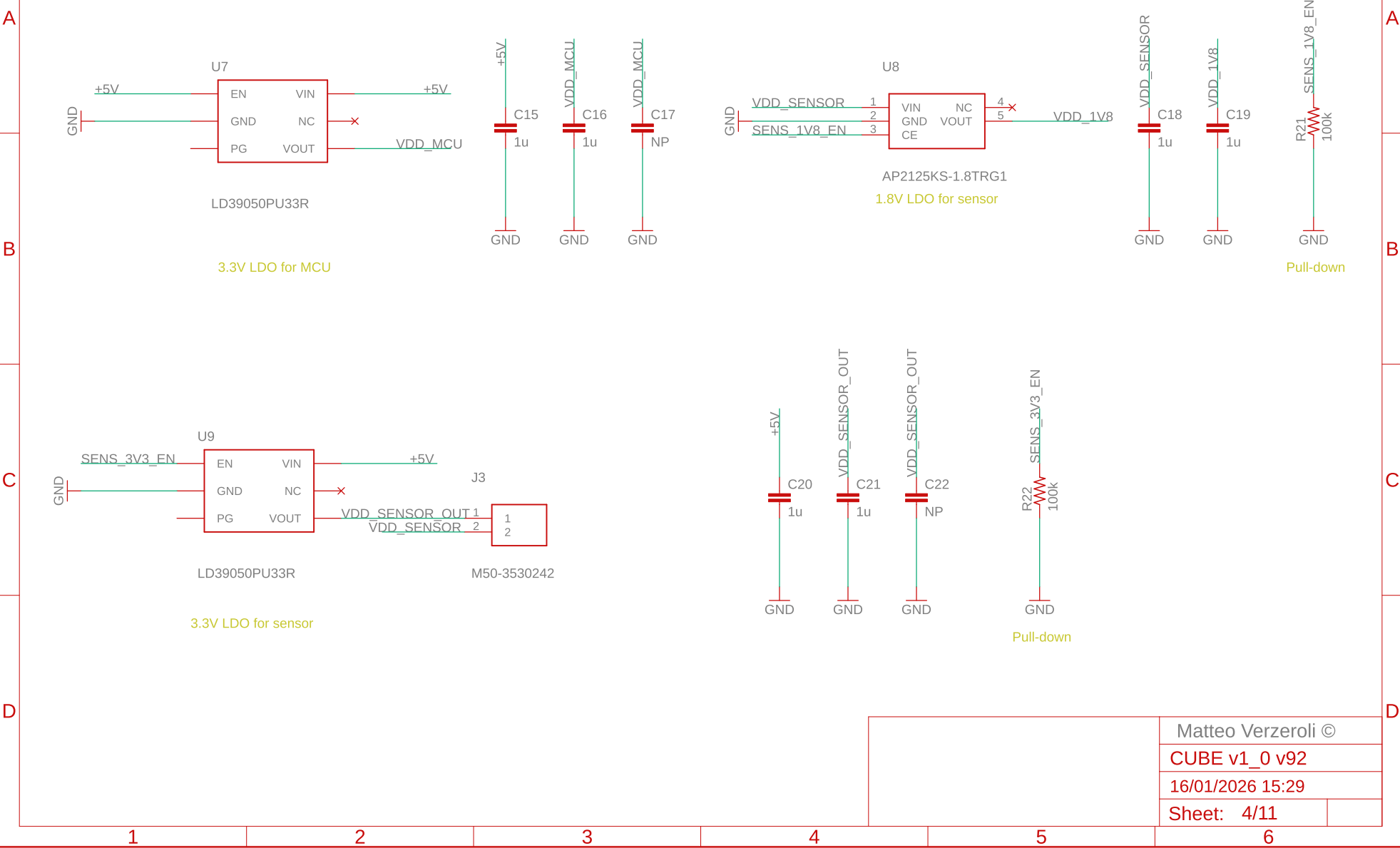
Matteo Verzeroli ©

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16/01/2026 15:29

Sheet: 3/11

Power managing



Matteo Verzeroli ©

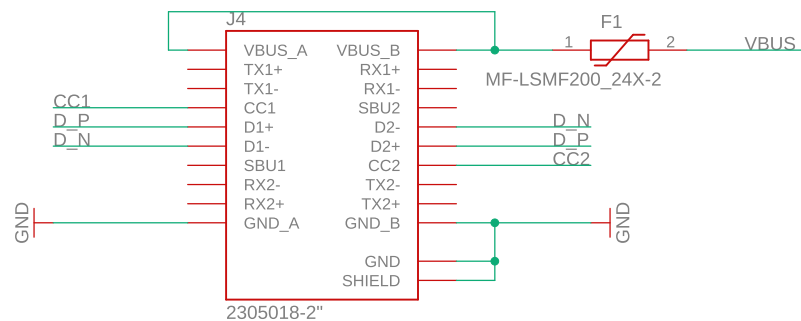
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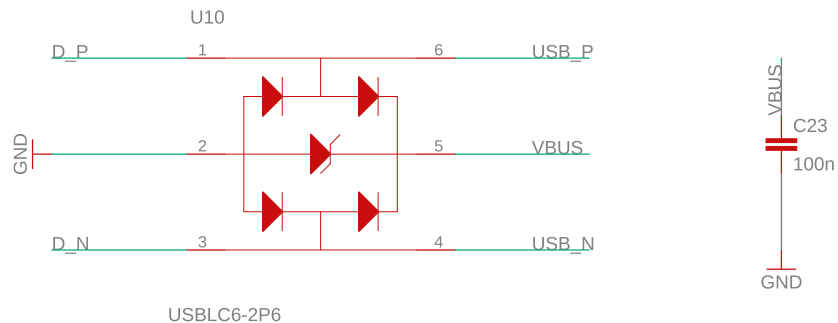
Sheet: 4/11

Type C and 5V step up

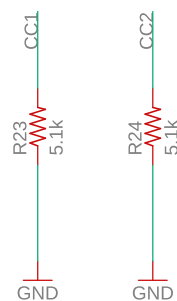
ESD protection



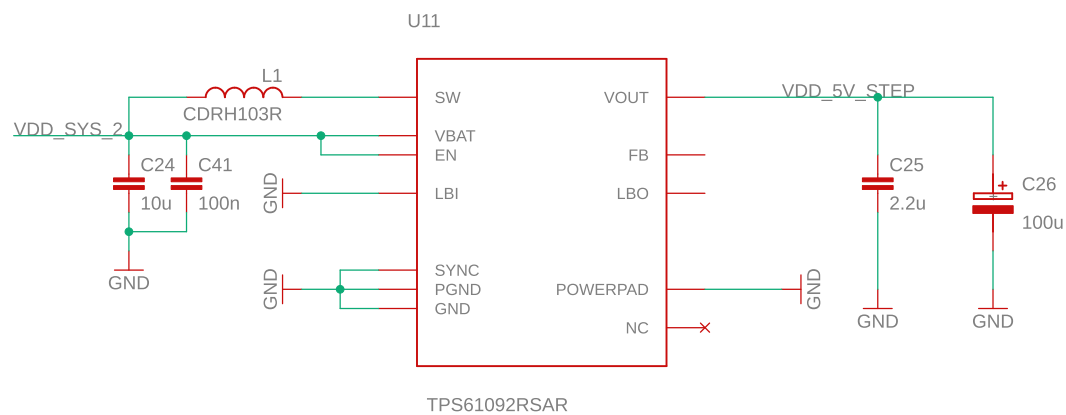
Type c connector



ESD protection for USB data line. N.B. Zdiff 90 ohm between D_P e D_N



To select peripheral device



5V step up

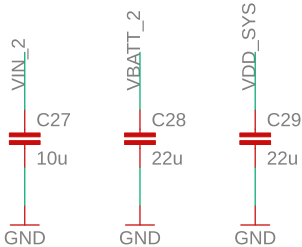
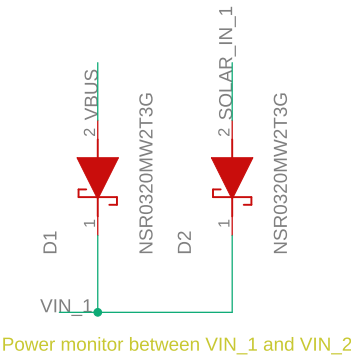
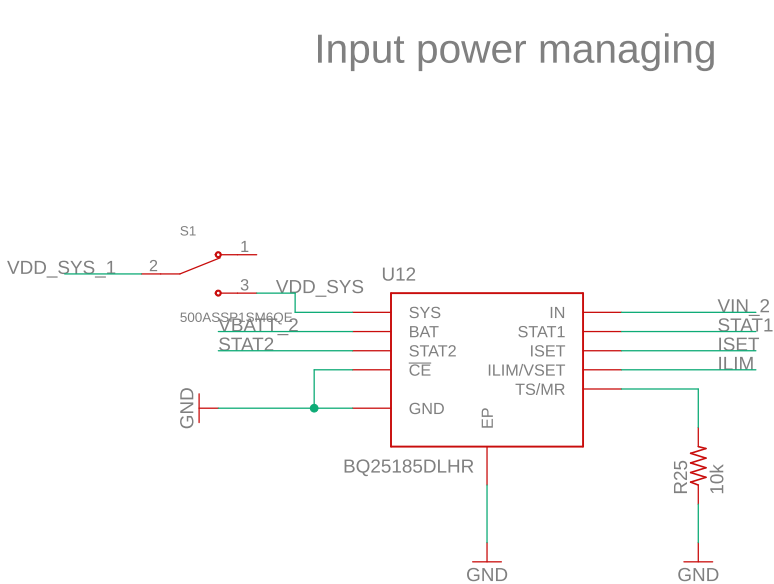
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16/01/2026 15:29

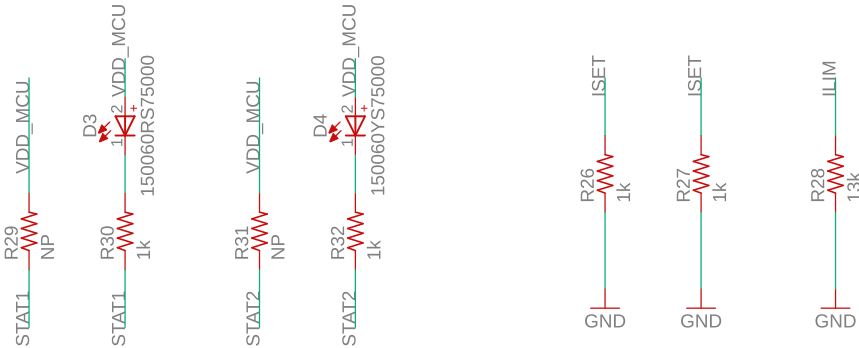
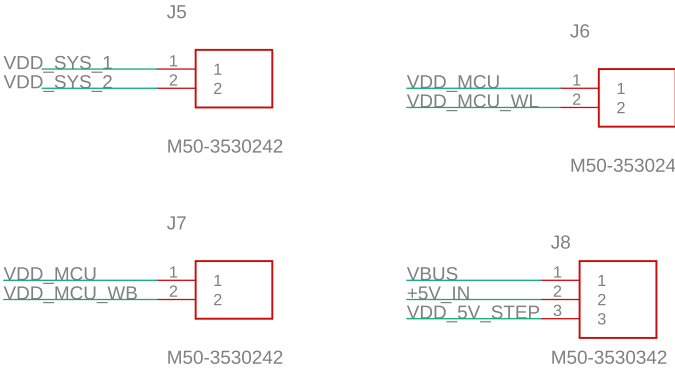
Sheet: 5/11

Input power managing



1-A stand-alone linear battery charger with power path and solar input support

Jumper to select power supply Caps: M50-2020005



LED charge indicator.
Internal pull-up required to read status from MCU

Resistor to control charge current

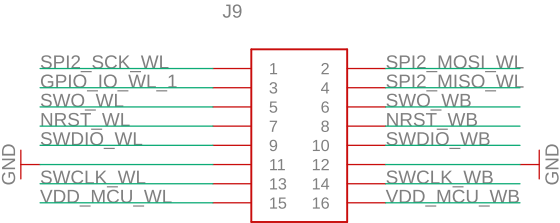
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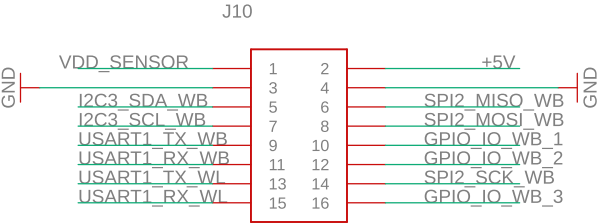
16/01/2026 15:29

Sheet: 6/11

Connectors

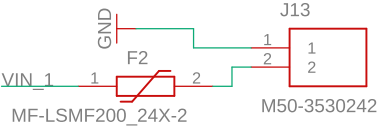
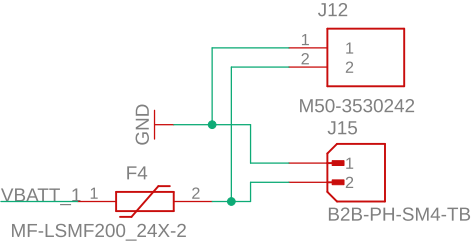
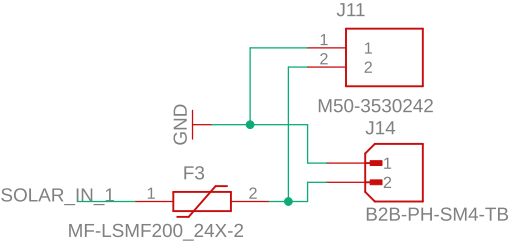


Debug connector



Aux connector

Fuse on inputs



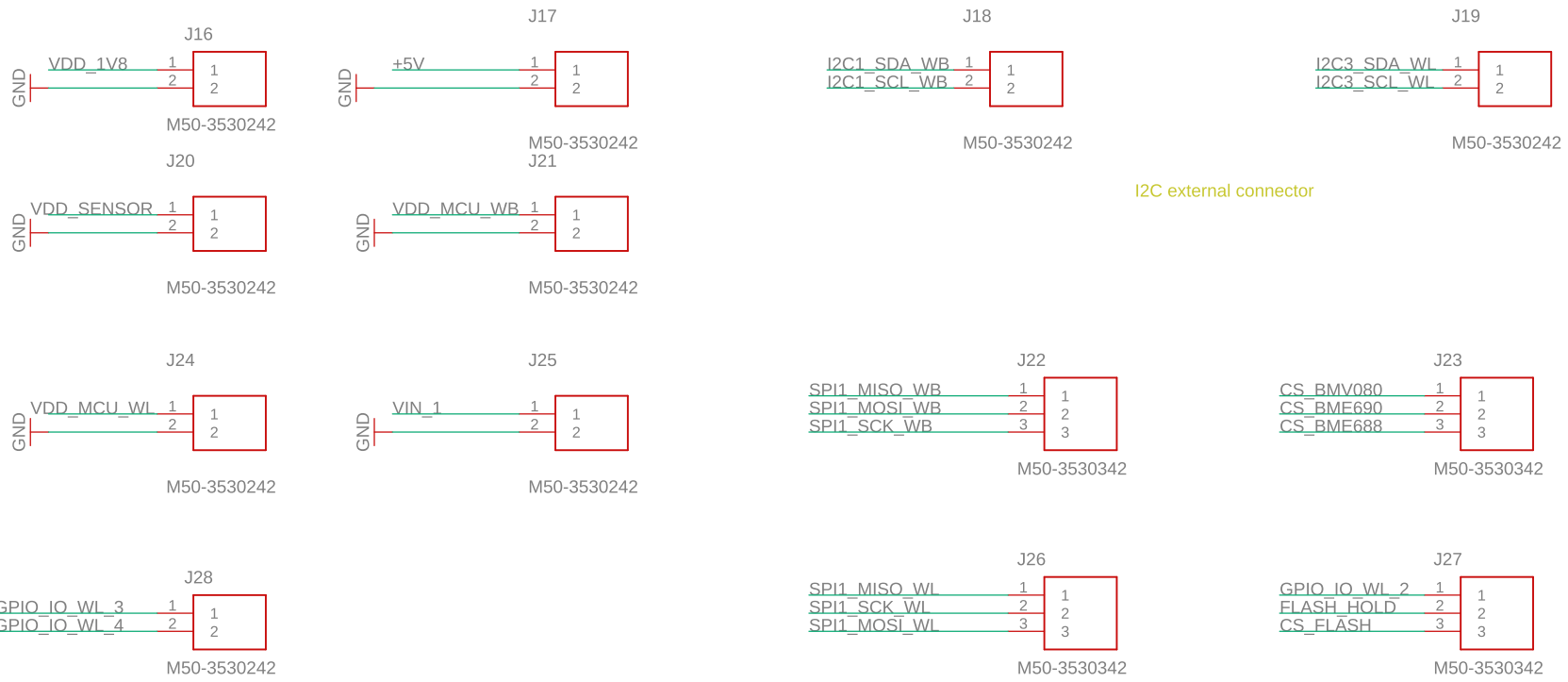
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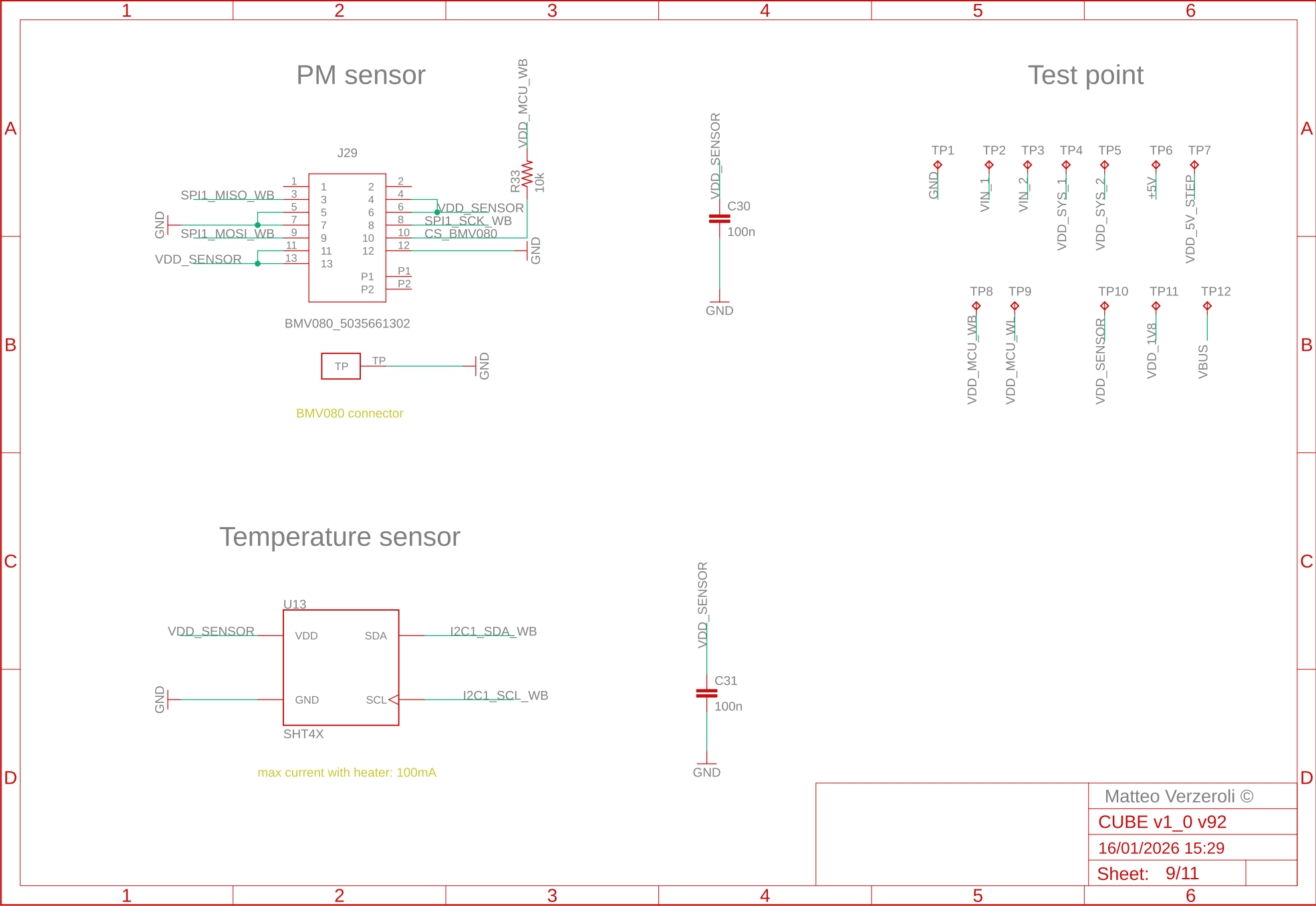
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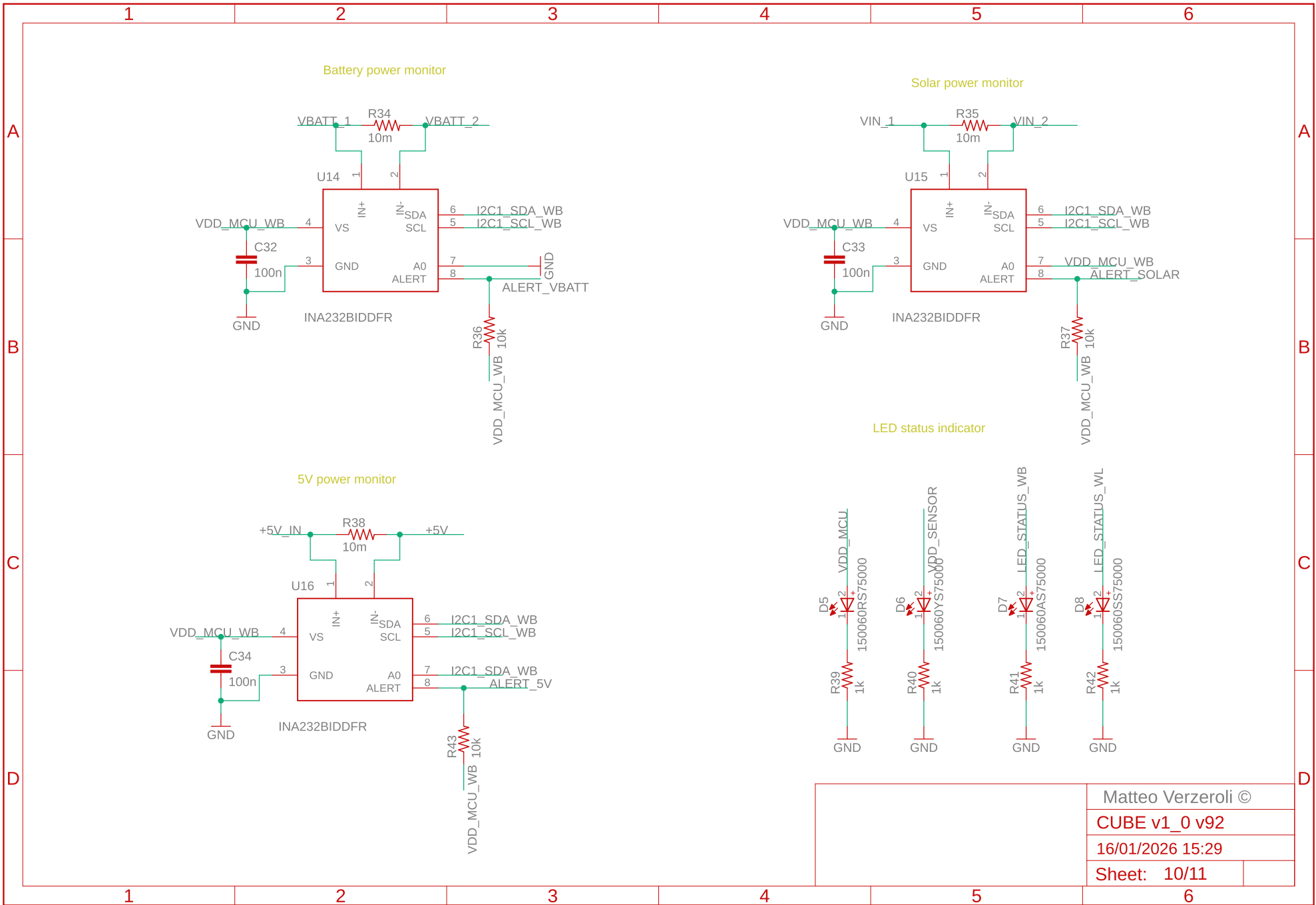
Connectors



I2C external connector

SPI external connector





MOx sensors

