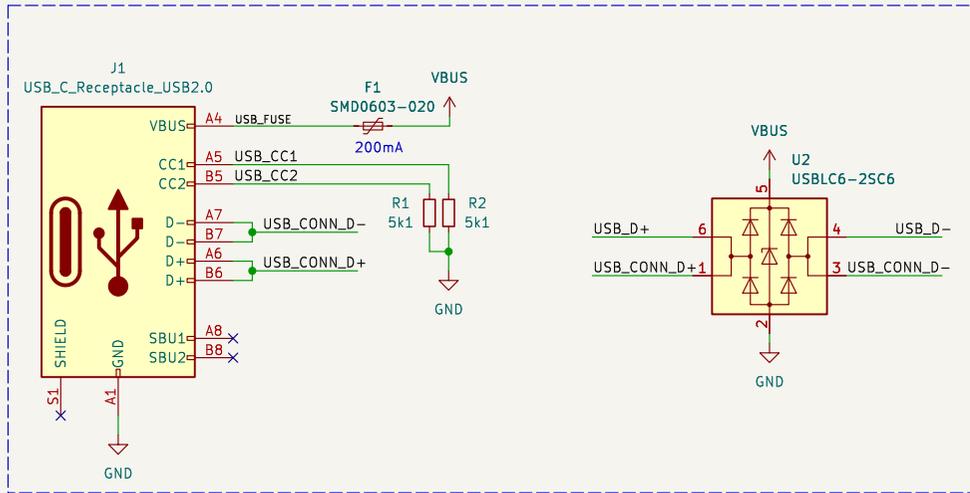


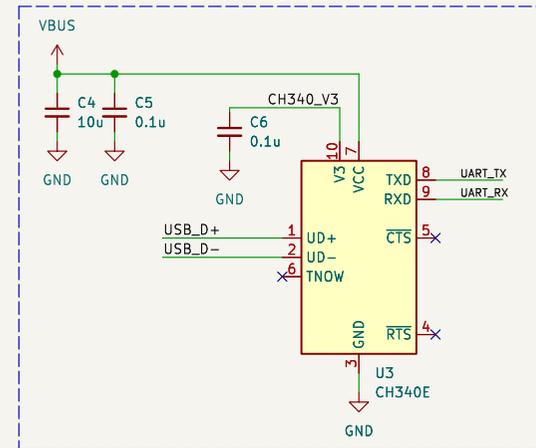
M-BUS to USB converter

USB type C



Signal path: Connector <-> ESD protection <-> UART

UART

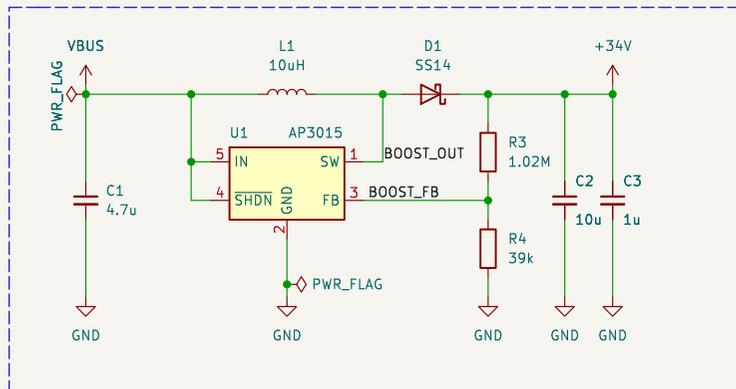


Mounting holes

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

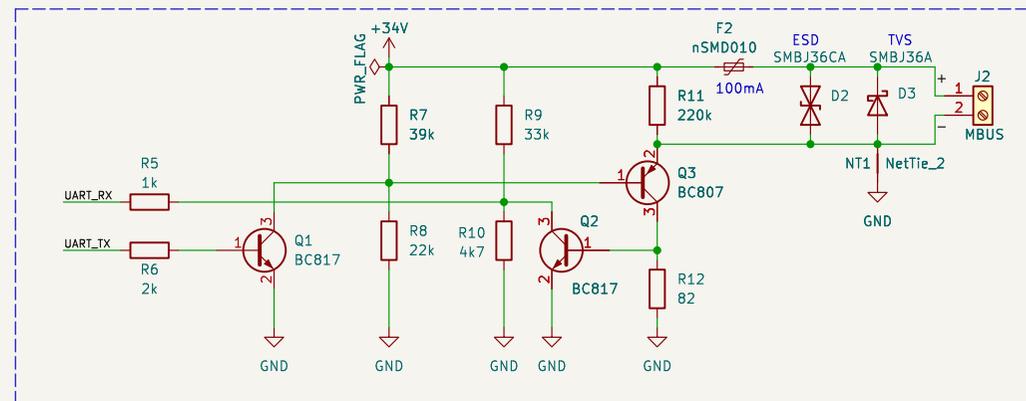
M2

Boost converter



Feedback voltage is from 1.205V to 1.255V with typical 1.23V which gives us 32.72V to 34.078V output
 $V_{out} = 1.23V * (39k + 1.02M) / 39k = 33.399V$
 X7R or X5R caps
 1% feedback resistors

M-BUS



Replace these for 3.3V logic levels:
 R6: 1k
 R10: 3k3

Jan Gnip

Sheet: /

File: mbus.kicad_sch

Title: M-bus to USB converter

Size: A4 Date: 2022-03-18

KiCad E.D.A. 9.0.0

Rev: 0.1

Id: 1/1