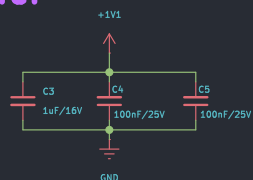
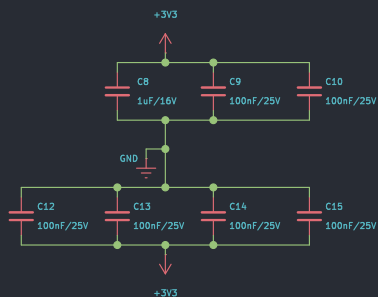


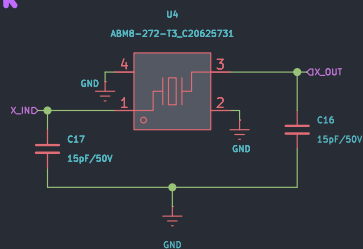
1V1 Buffer



3V3 Buffer



Clock



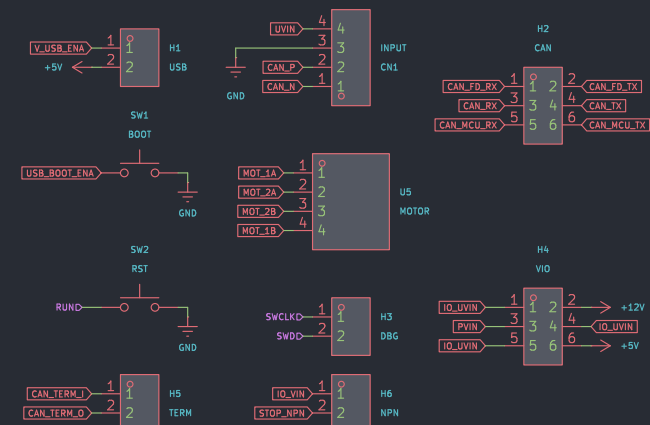
Holes



RP2350

Flash and Boot

Jumpers and Connectors



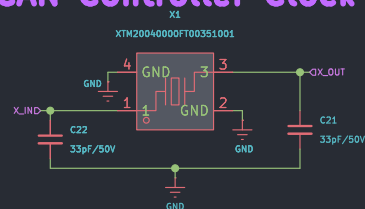
Sheet: /
File: mnb-ultralight-n17.kicad_sch
Title: MCU, Flash and Clock
Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 1/4

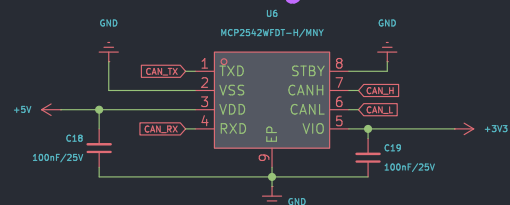
CAN Status

TBD

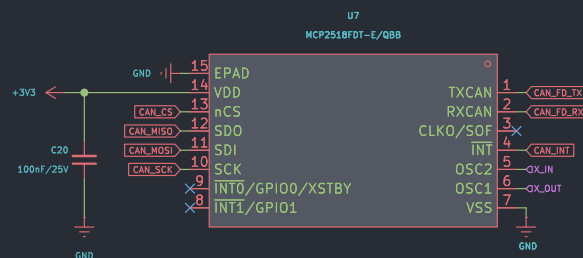
CAN Controller Clock



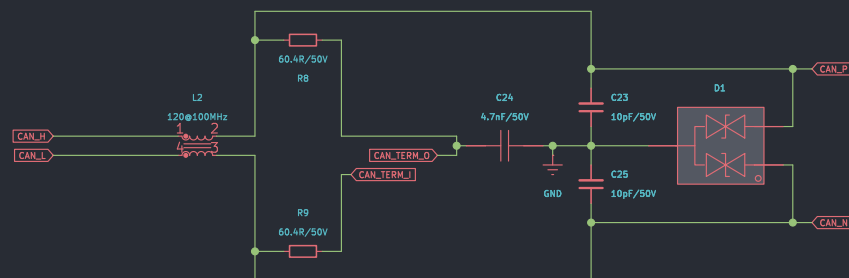
CAN Transceiver with Integrated Level Shifter



CAN Controller (SPI <--> CAN(-FD))



CAN Termination and ESD Protection



Sheet: /CAN-FD/
File: can-fd.kicad_sch

Title: CAN-FD

Size: A4 Date: 2025-04-13

KiCad E.D.A. 9.0.6

Rev: 1.0

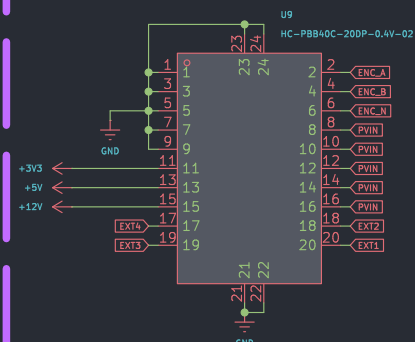
Id: 2/4

TMC2240 Motor Driver and Over Voltage Protection

10 / Endstops

PVIN Buffer

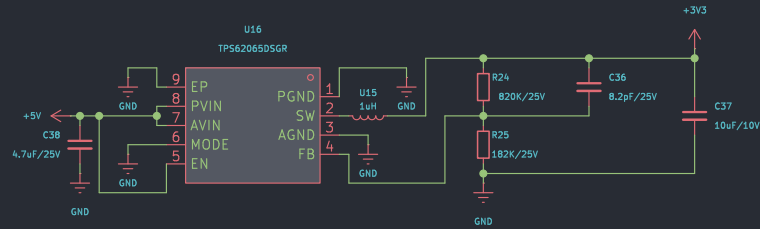
Extension Connector



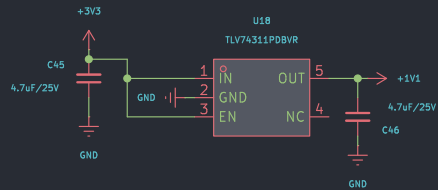
Title: Motor Driver and IO

Rev:

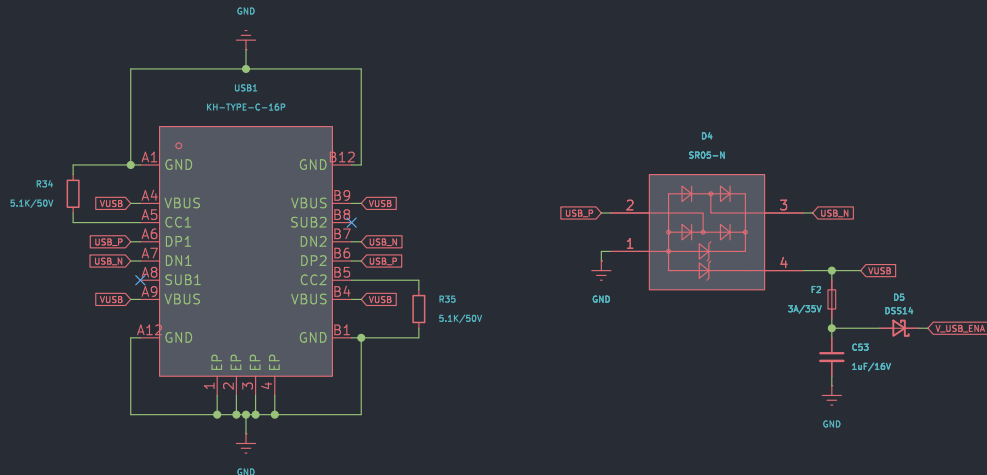
Buck Converter 5v to 3.3v



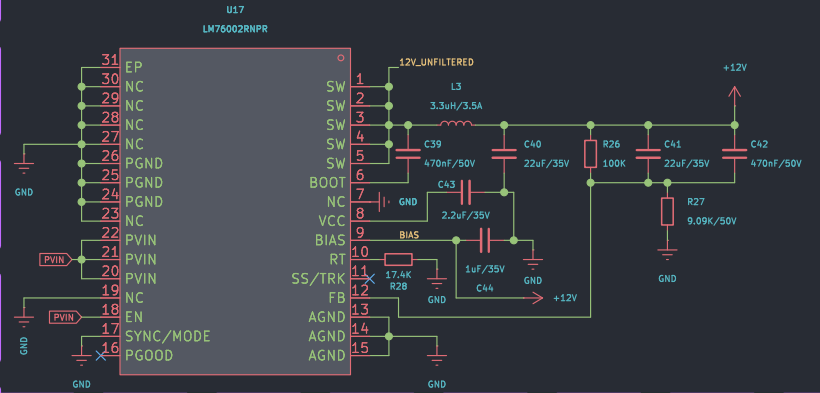
LDO 3.3v to 1.1v



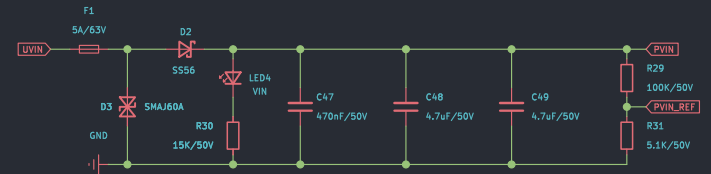
USB-C Port and Power



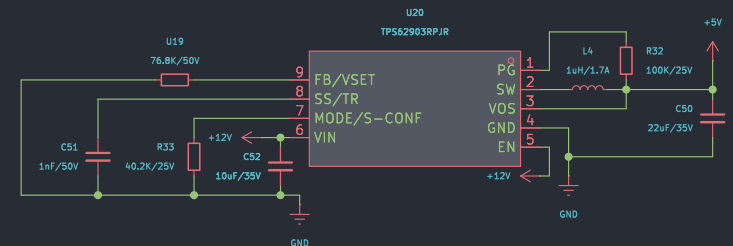
Buck Converter VIN (24-36v) to 12v



VIN Protection & Input Buffer



Buck Converter 12v to 5v



Sheet: /Power and USB-C/
File: power.kicad_sch

Title: Power

Size: A4

KiCad E.D.A. 9.0.6

Date:

Rev:

Id: 4/4