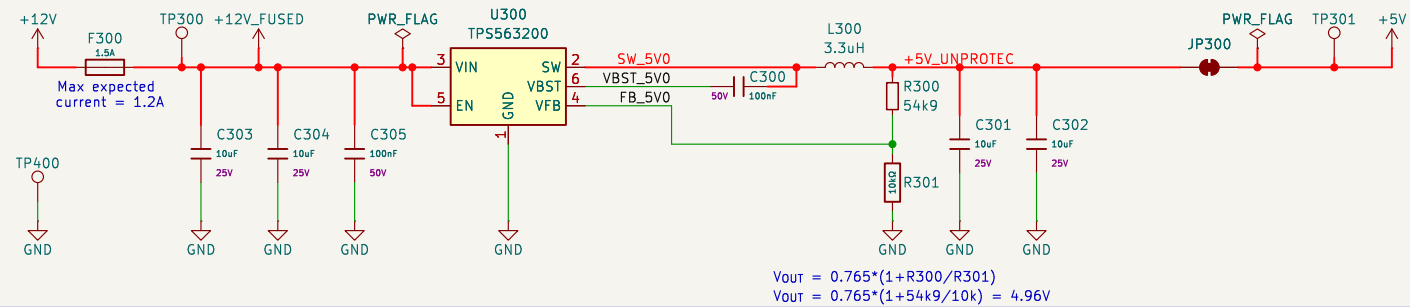
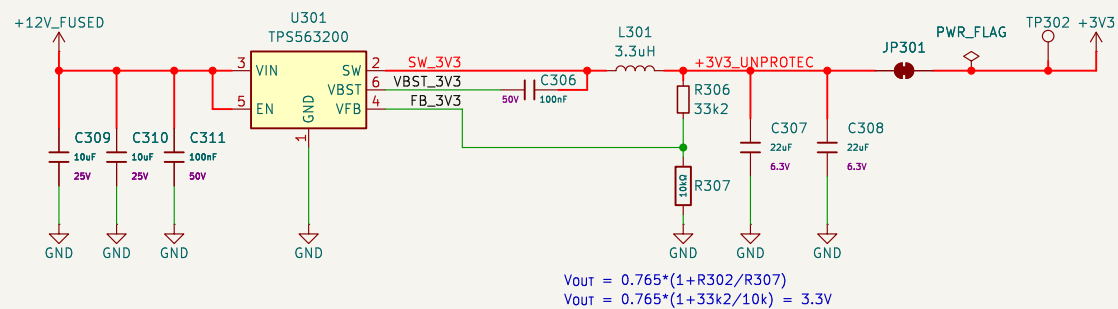


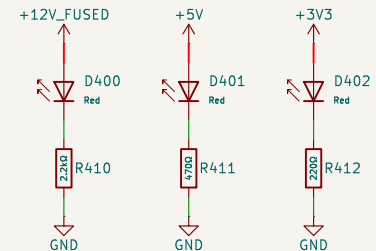
## 5V DC/DC CONVERTER



## 3V3 DC/DC CONVERTER



## POWER INDICATOR LEDs



Target  $I_{LED} = 5\text{mA}$

Project author: <author>  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /Power/  
File: power.kicad\_sch

**Title: ModuCard BM STM32H562VGT6**

Size: A4	Date: 2025-04-18
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Rev: 1.1.1

KiCad E.D.A. 9.0.4

Id: 3/10



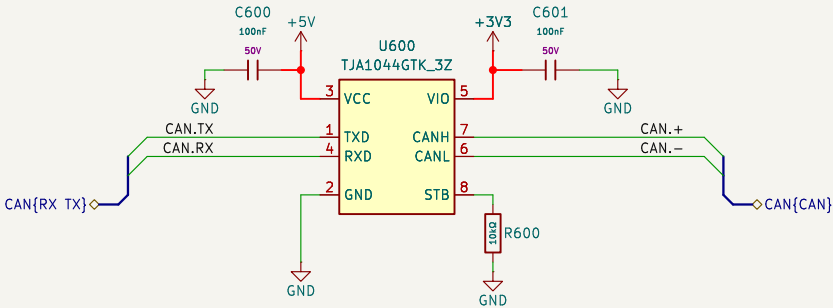
The schematic diagram shows the CAN transceiver circuit (U500) with the following components and connections:

- Power Supply:**
  - VCC (Pin 3):** Connected to a +5V supply through a 100nF capacitor (C500).
  - VIO (Pin 5):** Connected to a +3V3 supply through a 100nF capacitor (C501).
- CAN Bus Connections:**
  - TXD (Pin 1) and RXD (Pin 4):** Connected to the CAN bus lines CAN.TX and CAN.RX.
  - STB (Pin 8):** Connected to ground through a 500Ω resistor (R500).
  - CANH (Pin 7) and CANL (Pin 6):** Connected to the CAN bus lines CAN.+ and CAN.-.
- Grounding:**
  - Pin 2 (GND) is connected to ground.
  - Pin 9 (GND) is connected to ground.
  - The CAN bus lines are terminated at both ends with 120Ω resistors.

Sheet: /CAN transceiver 1/  
File: can-transceiver.kicad\_sch  
**Title: ModuCard BM STM32H562VGT6**

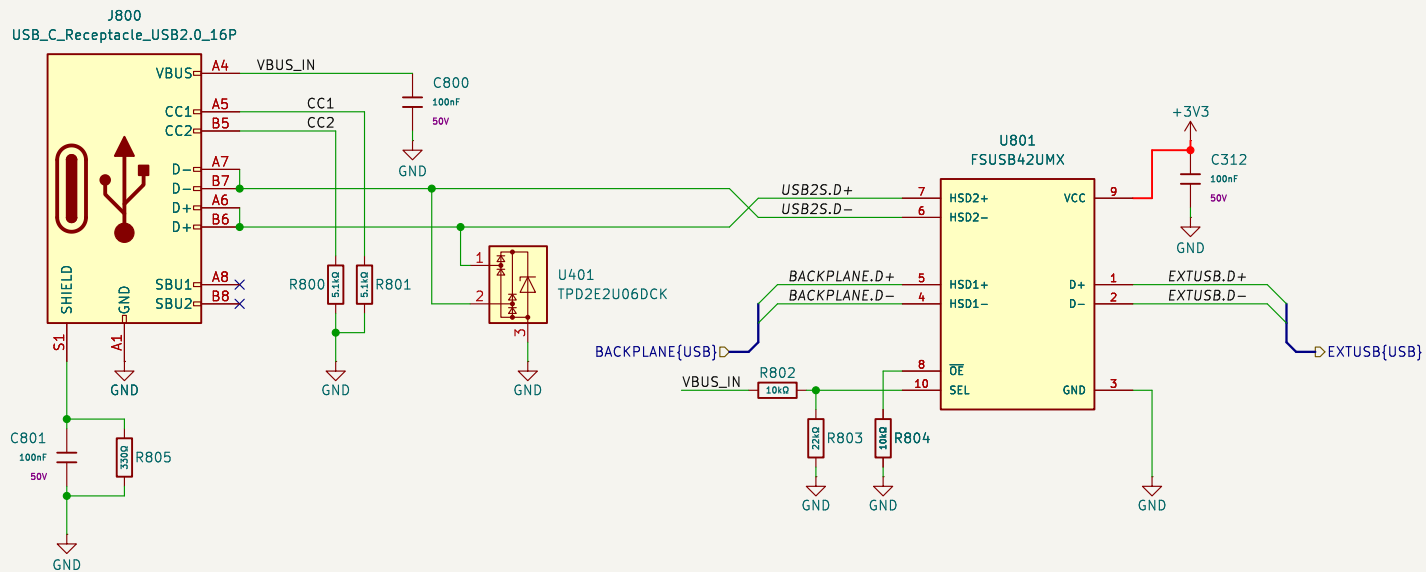
Size: A4	Date: 2025-04-18	Rev: 1.1.1
KiCad E.D.A. 9.0.4		Id: 5/10

CAN TRANSCEIVER



Project author: <author>		
Base project authors: Dominik Pluta, Artem Horiunov		
KoNaR		
Sheet: /CAN transceiver 2/		
File: can-transceiver.kicad_sch		
Title: ModuCard BM STM32H562VGT6		
Size: A4	Date: 2025-04-18	Rev: 1.1.1
KiCad E.D.A. 9.0.4		Id: 6/10





Project author: <author>  
 Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /USB/  
 File: USB.kicad\_sch

**Title: ModuCard BM STM32H562VGT6**

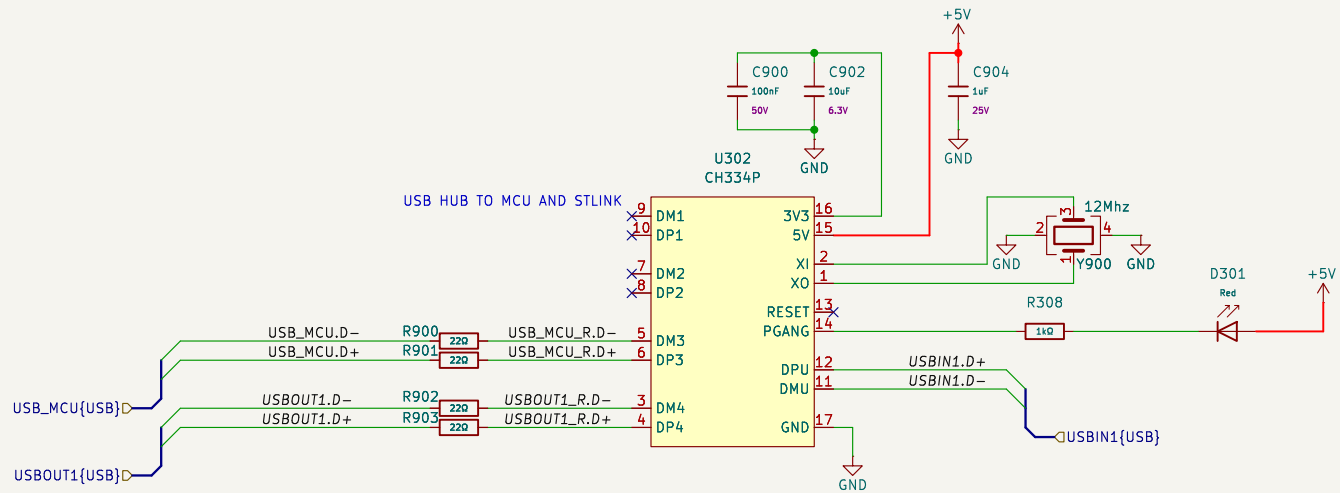
Size: A4 Date: 2025-04-18

KiCad E.D.A. 9.0.4

**Rev: 1.1.1**

Id: 8/10





Project author: <author>  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /USB-hub/  
File: USB-hub.kicad\_sch

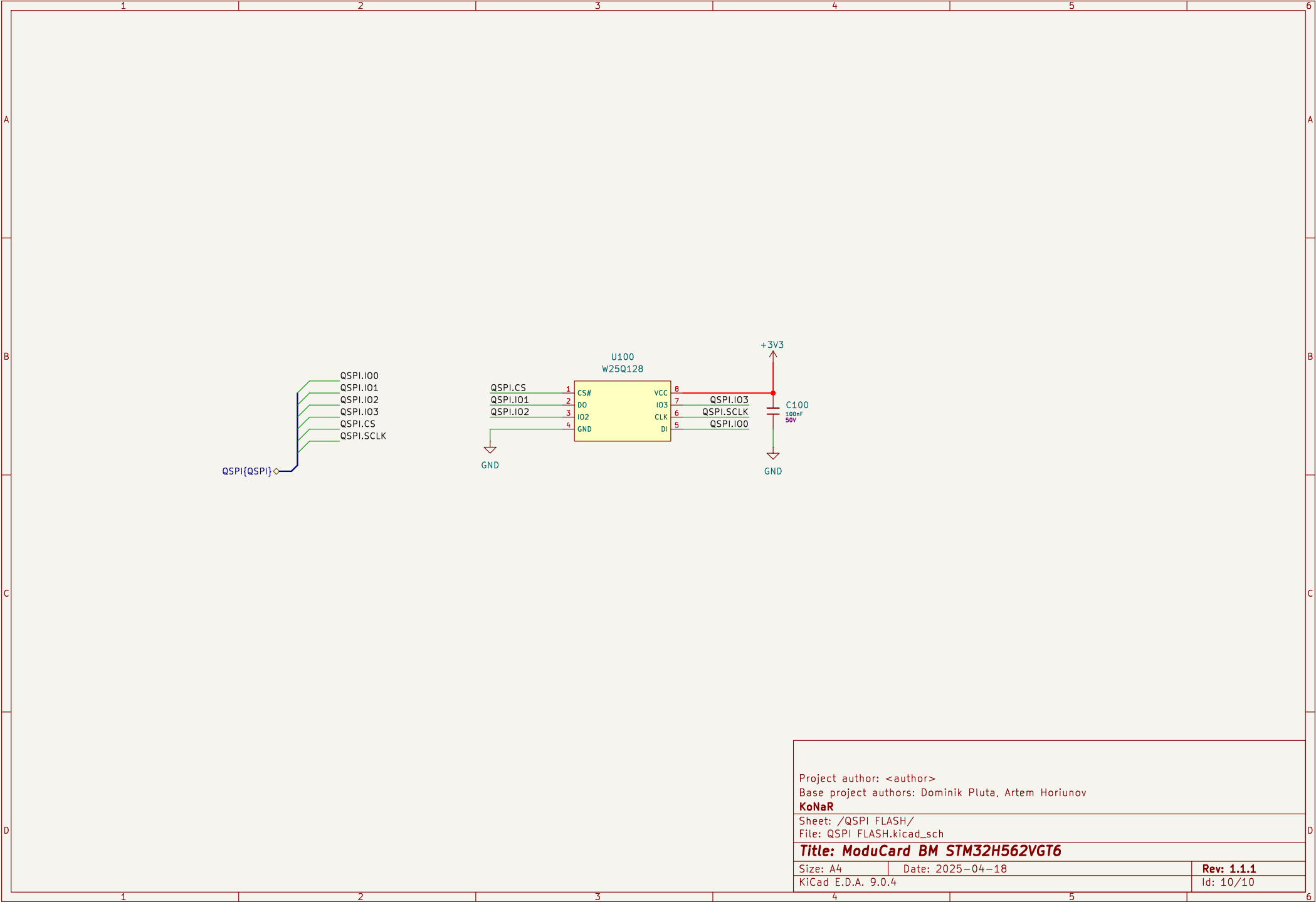
**Title: ModuCard BM STM32H562VGT6**

Size: A4 Date: 2025-04-18

KiCad E.D.A. 9.0.4

**Rev: 1.1.1**

Id: 9/10



Project author: <author>  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /QSPI FLASH/  
File: QSPI FLASH.kicad\_sch

**Title: ModuCard BM STM32H562VGT6**

Size: A4	Date: 2025-04-18	Rev: 1.1.1
KiCad E.D.A. 9.0.4		Id: 10/10