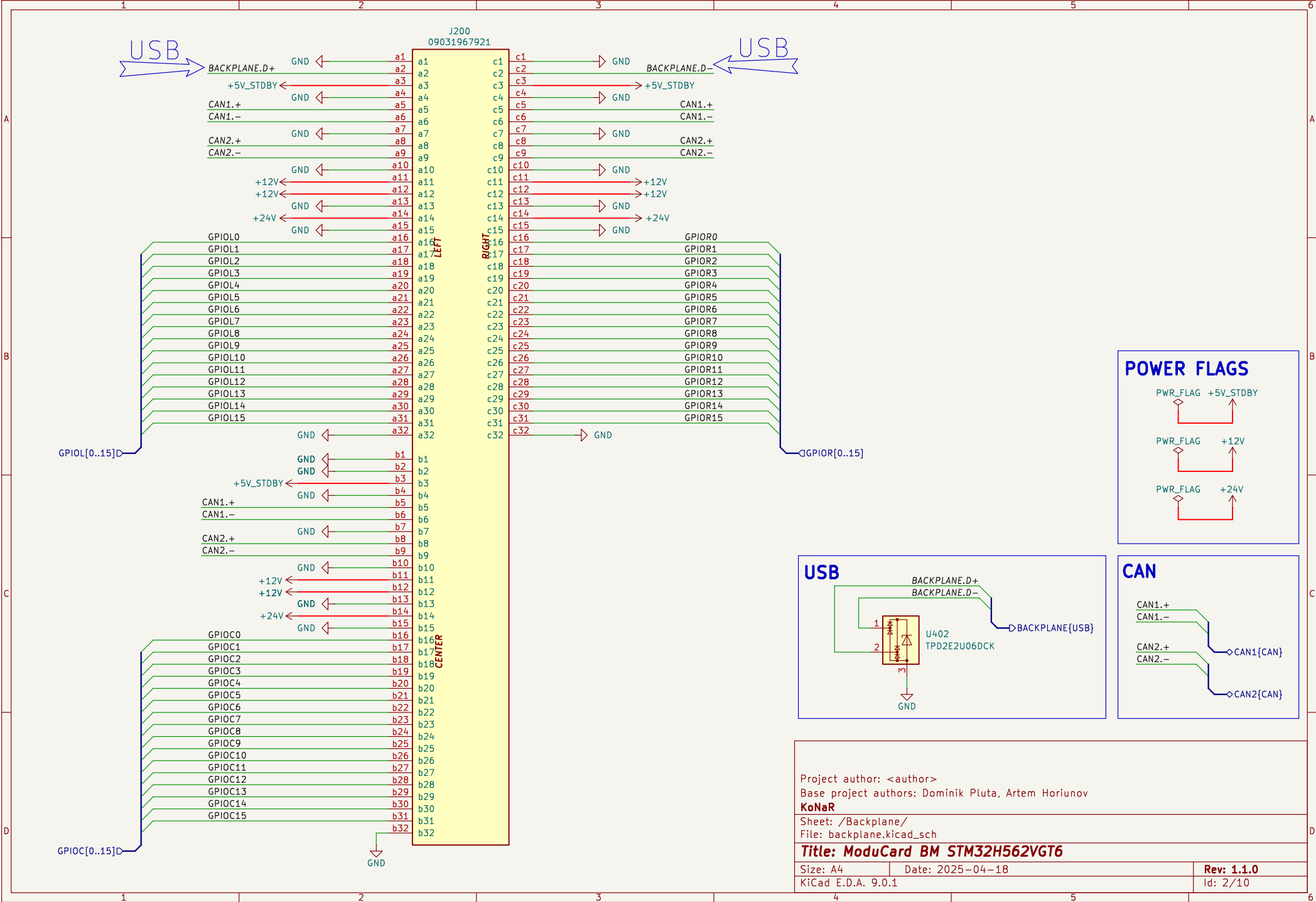


Project author: <author>
Base project authors: Dominik Pluta, Artem Horiunov
KoNaR

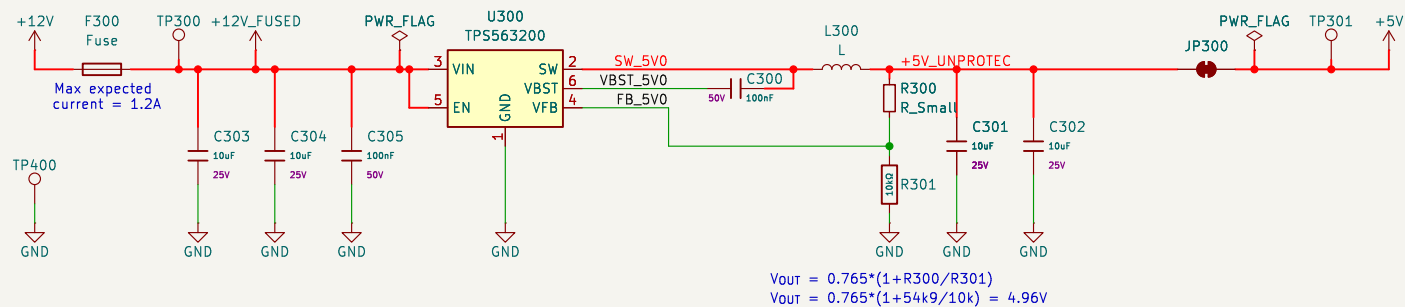
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Title: ModuCard BM STM32H562VGT6

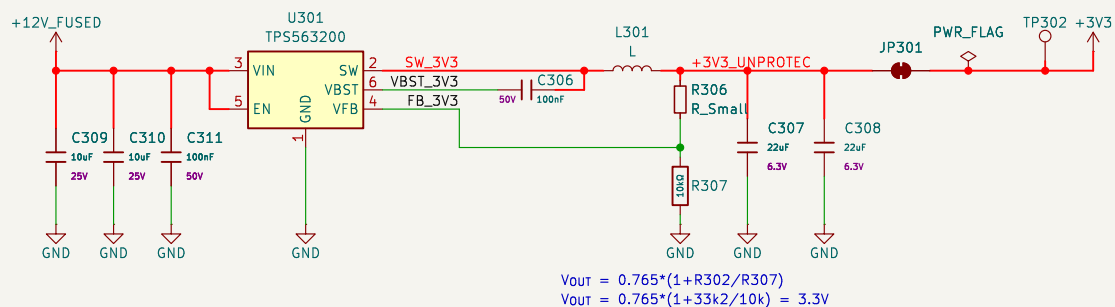
Size: A4	Date: 2025-04-18	Rev: 1.1.0
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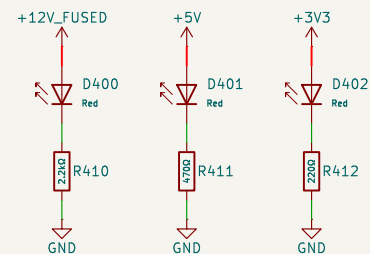
5V DC/DC CONVERTER



3V3 DC/DC CONVERTER



POWER INDICATOR LEDs



Target I_{LED} = 5mA

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

Sheet: /Power/
File: power.kicad_sch

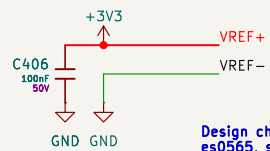
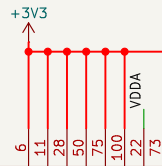
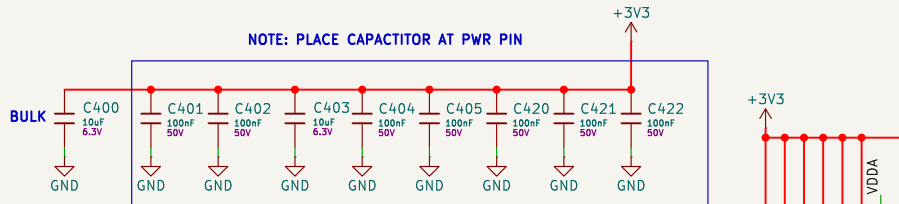
Title: ModuCard BM STM32H562VGT6

Size: A4 Date: 2025-04-18

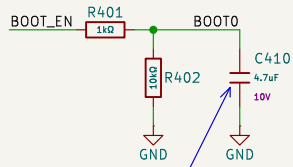
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Rev: 1.1.0

Id: 3/10

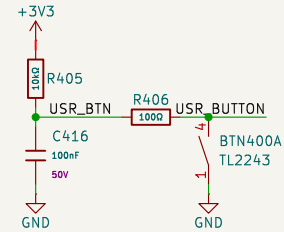


Design choice due:
es0565, sec 2.2.3

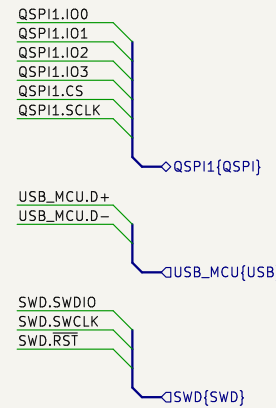
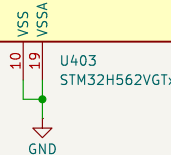
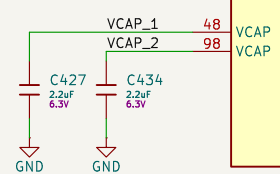
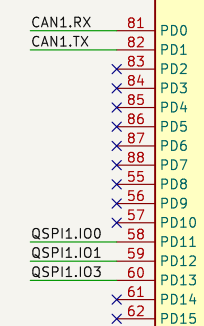
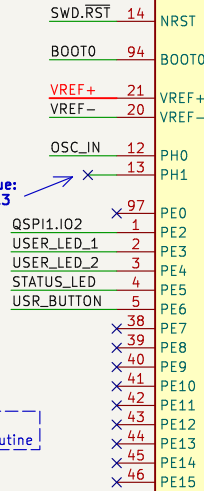
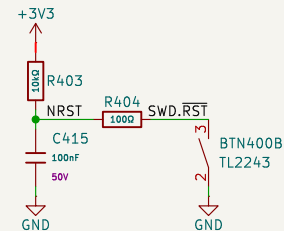


NOTICE: Boot EN can be pulled up with BOOT_EN pin
C412 will retain voltage on boot0 pin during MCU reboot routine!

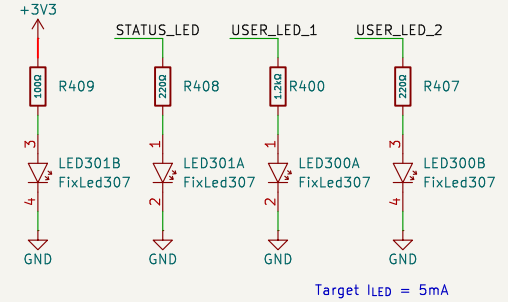
USER BUTTON



RESET BUTTON

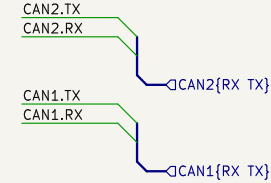


POWER INDICATOR AND USER LEDs

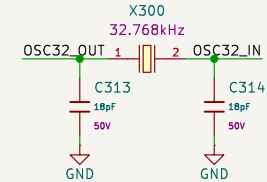


Target ILED = 5mA

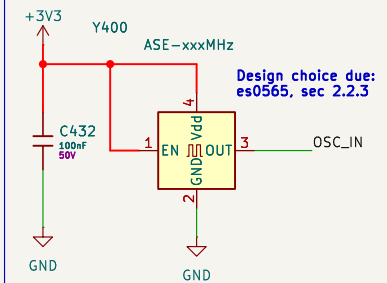
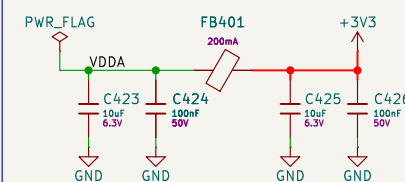
CAN



CRYSTAL RESONATORS



AVDD



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

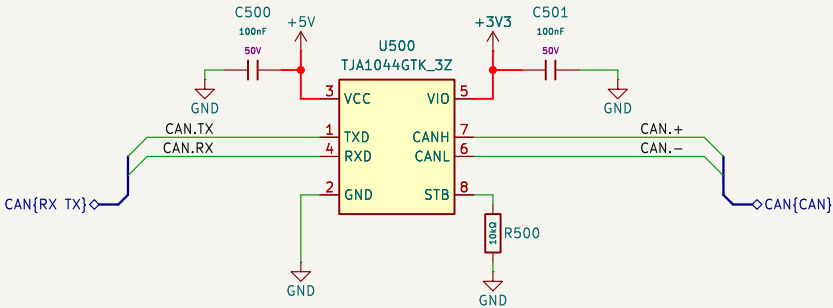
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Title: ModuCard BM STM32H562VGT6

Size: A4 Date: 2025-04-18
KiCad E.D.A. 9.0.1

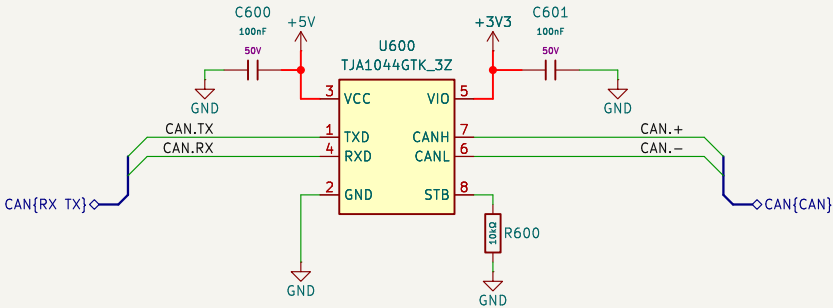
Rev: 1.1.0
Id: 4/10

CAN TRANSCEIVER



Project author: <author>		
Base project authors: Dominik Pluta, Artem Horiunov		
KoNaR		
Sheet: /CAN transceiver 1/		
File: can-transceiver.kicad_sch		
Title: ModuCard BM STM32H562VGT6		
Size: A4	Date: 2025-04-18	Rev: 1.1.0
KiCad E.D.A. 9.0.1	Id: 5/10	

CAN TRANSCEIVER

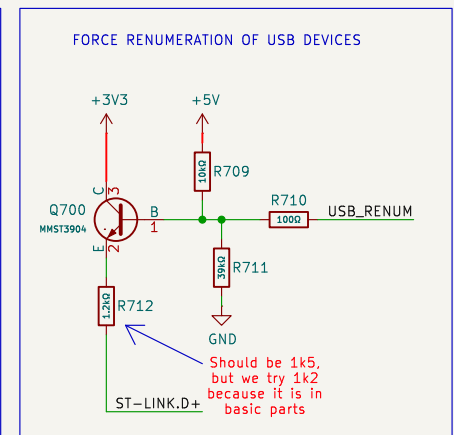
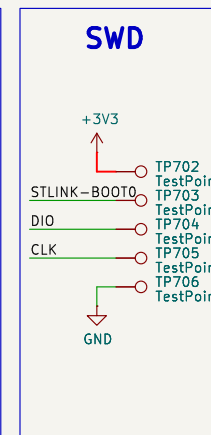
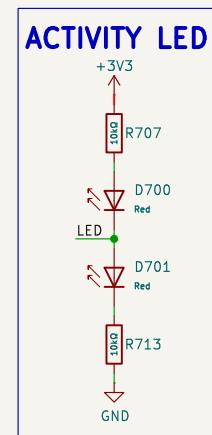
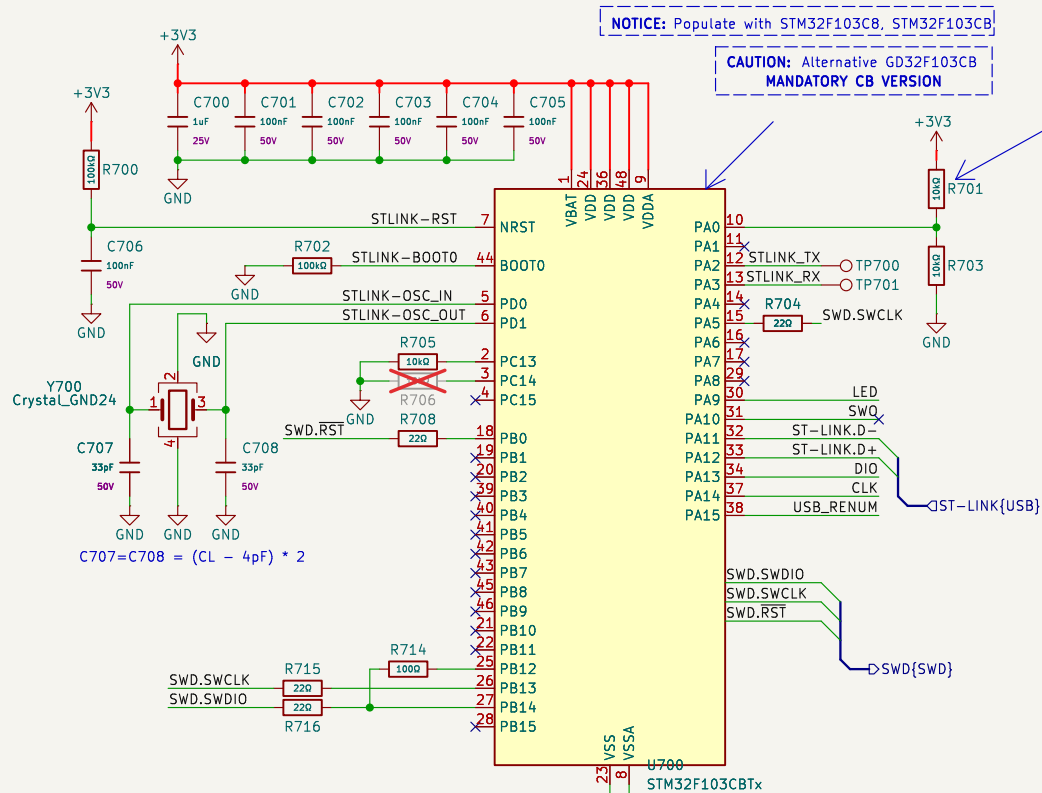


Project author: <author>
Base project authors: Dominik Pluta, Artem Horiunov
KoNaR

Sheet: /CAN transceiver 2/
File: can-transceiver.kicad_sch

Title: ModuCard BM STM32H562VGT6

Size: A4	Date: 2025-04-18	Rev: 1.1.0
KiCad E.D.A. 9.0.1		Id: 6/10



Do weryfikackji

Credit to:
<https://github.com/lbthomsen/st-link/tree/master>
[https://stm32world.com/wiki/DIY_STM32_Programmer_\(ST-Link/V2-1\)](https://stm32world.com/wiki/DIY_STM32_Programmer_(ST-Link/V2-1))
 for providing amazing reverse engineering of ST-link

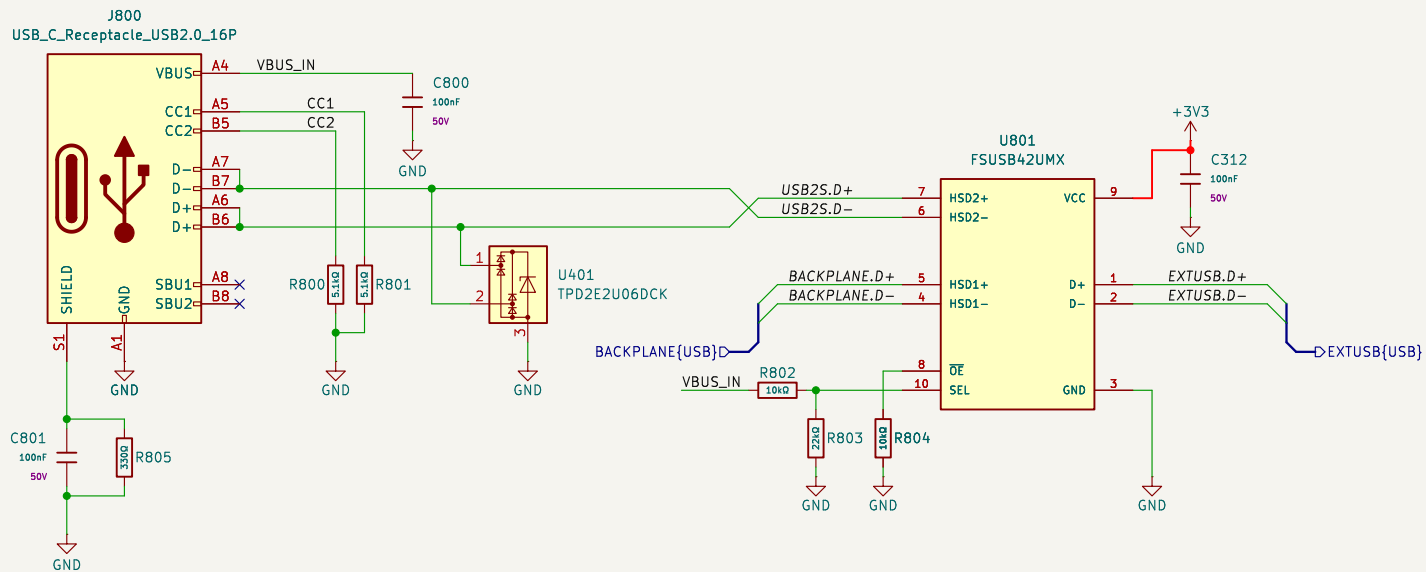
Project author: <author>
 Base project authors: Dominik Pluta, Artem Horiunov
KoNaR

Sheet: /ST-LINK/
 File: st-link.kicad_sch

Title: ModuCard BM STM32H562VGT6

Size: A4 Date: 2025-04-18
 KiCad E.D.A. 9.0.1

Rev: 1.1.0
 Id: 7/10



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

Sheet: /USB/
 File: USB.kicad_sch

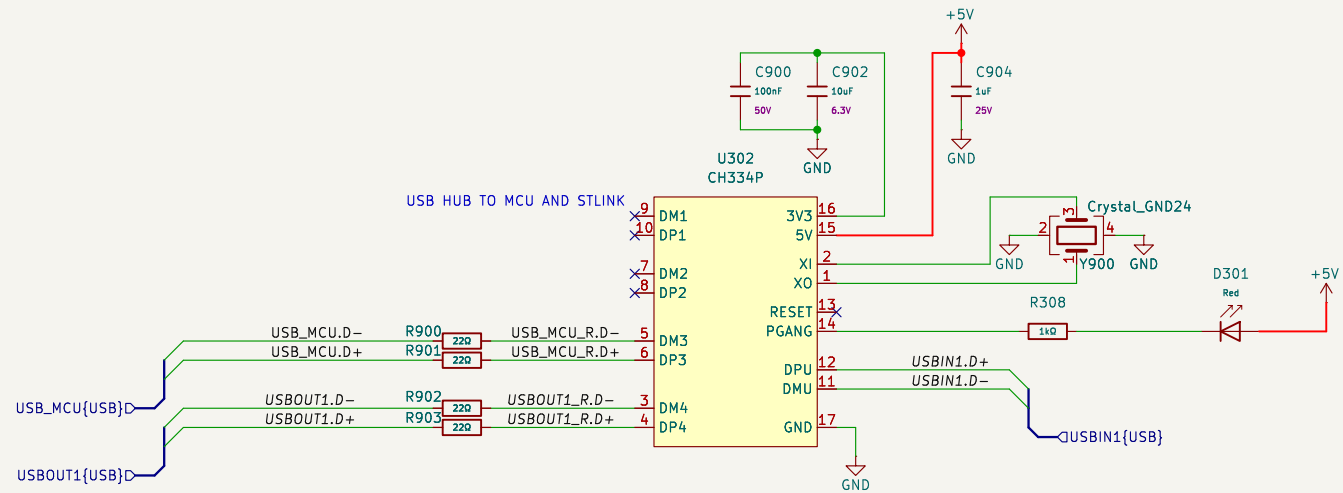
Title: ModuCard BM STM32H562VGT6

Size: A4 Date: 2025-04-18

KiCad E.D.A. 9.0.1

Rev: 1.1.0

Id: 8/10



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

Sheet: /USB-hub/
 File: USB-hub.kicad_sch

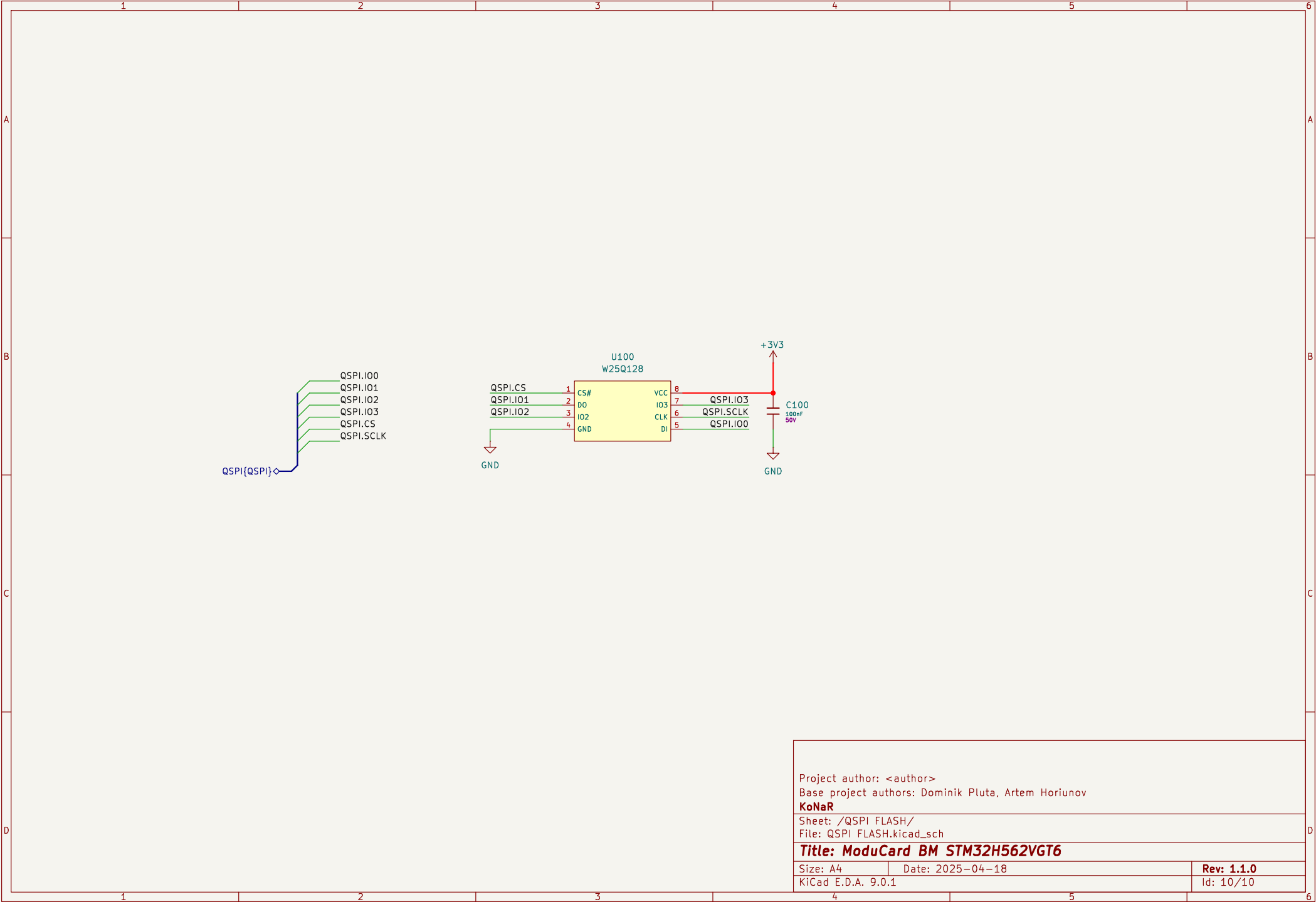
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Size: A4 Date: 2025-04-18

KiCad E.D.A. 9.0.1

Rev: 1.1.0

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: 1.1.0
KiCad E.D.A. 9.0.1		Id: 10/10