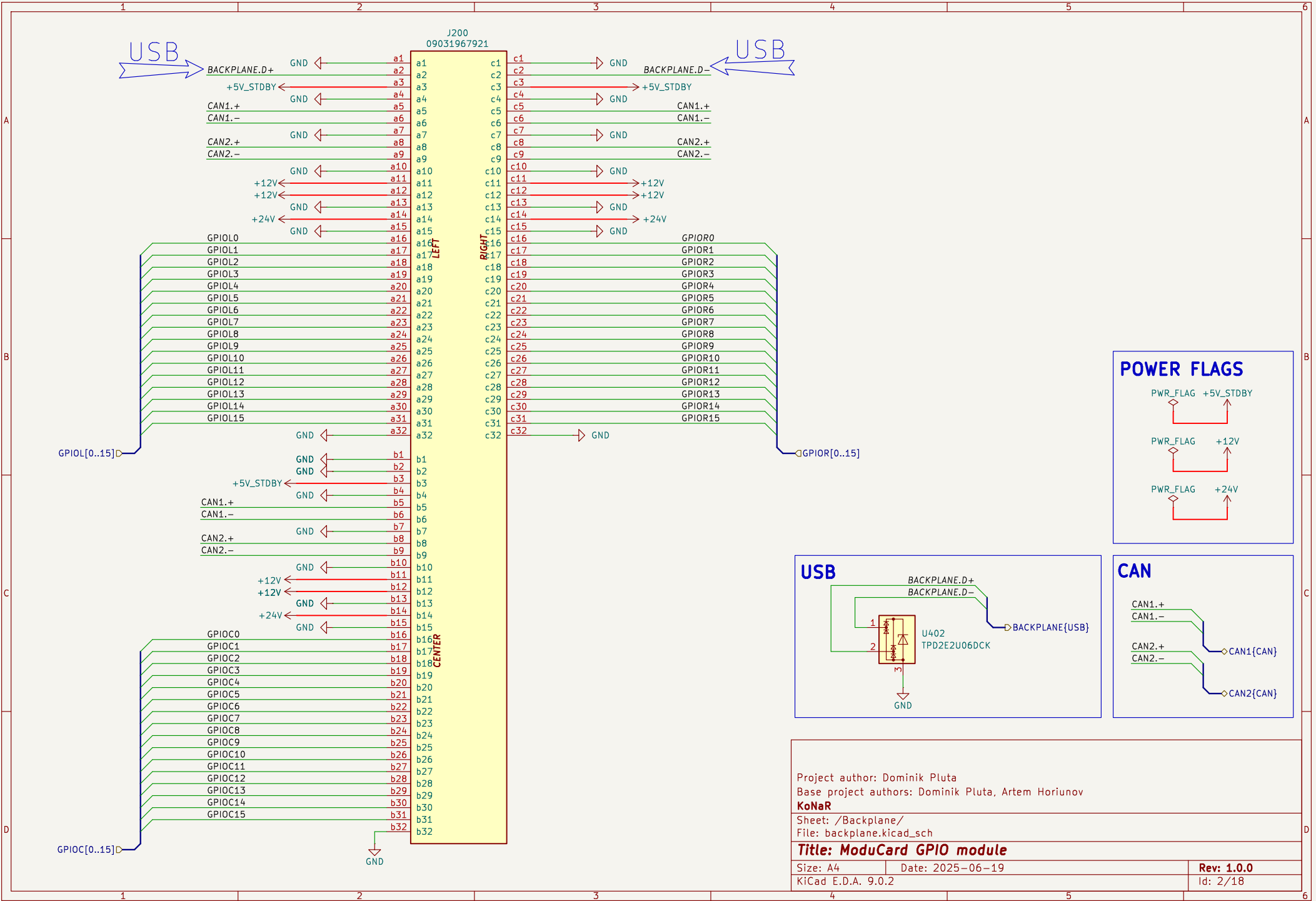
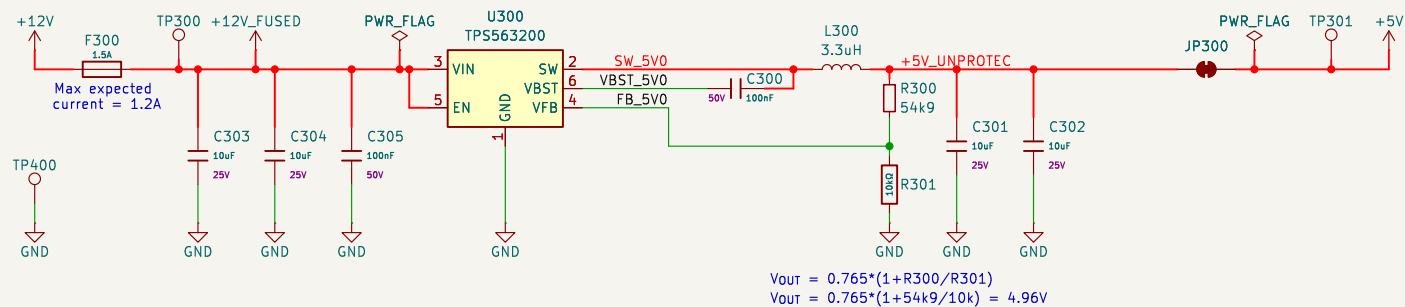


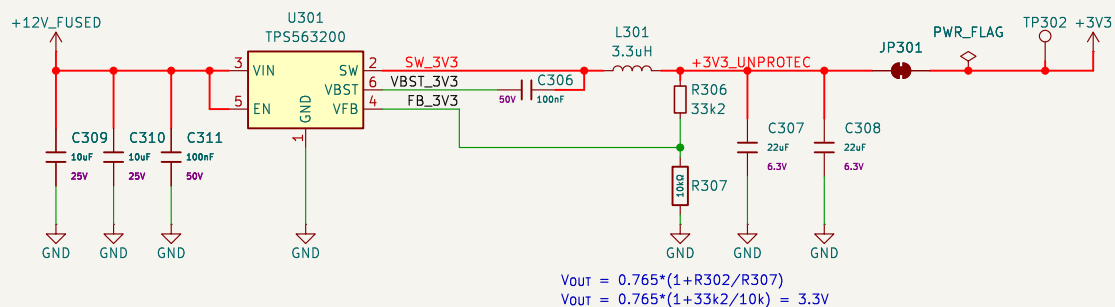
Id: 1/18



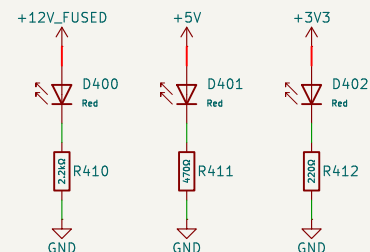
## 5V DC/DC CONVERTER



## 3V3 DC/DC CONVERTER



## POWER INDICATOR LEDs



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

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

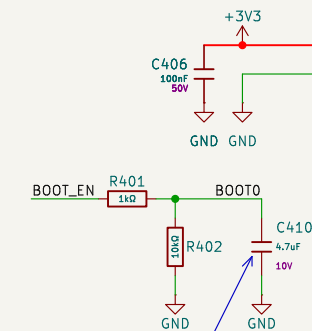
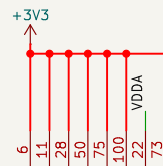
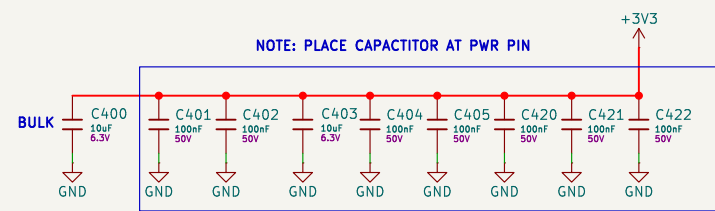
**Title: ModuCard GPIO module**

Size: A4 Date: 2025-06-19

KiCad E.D.A. 9.0.2

**Rev: 1.0.0**

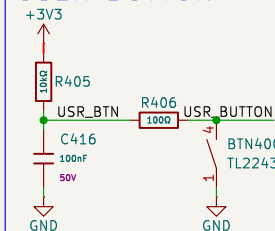
Id: 3/18



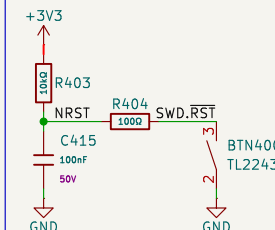
Design choice due:  
es0565, sec 2.2.3

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

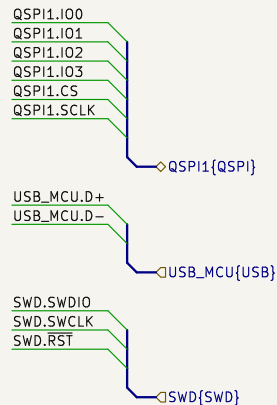
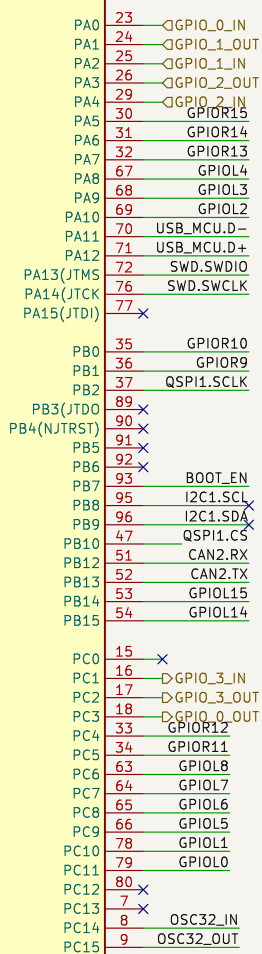
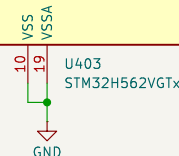
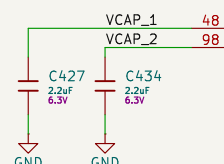
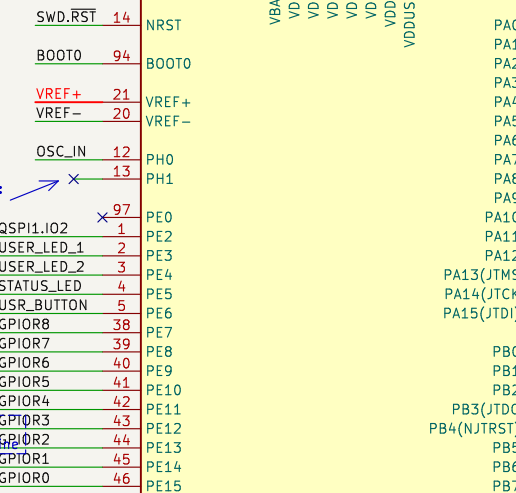
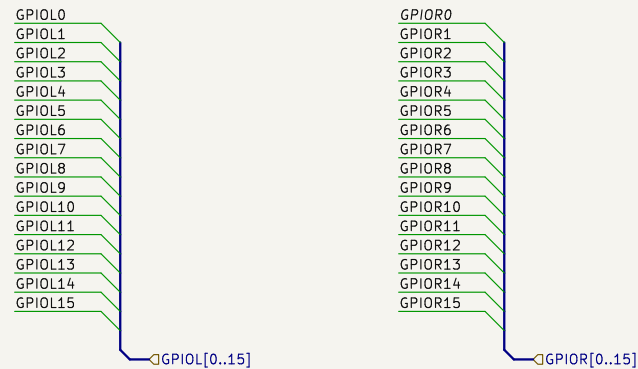
## USER BUTTON



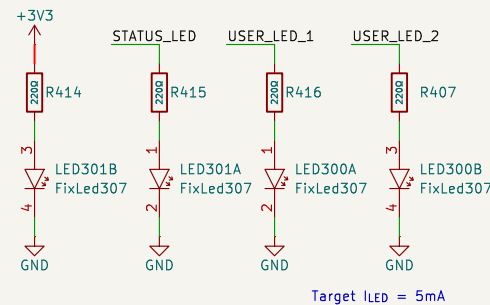
## RESET BUTTON



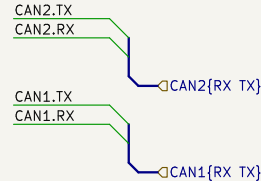
## BACKPLANE GPIO



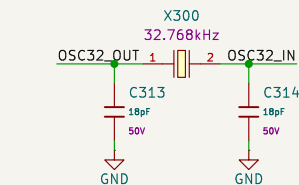
## POWER INDICATOR AND USER LEDs



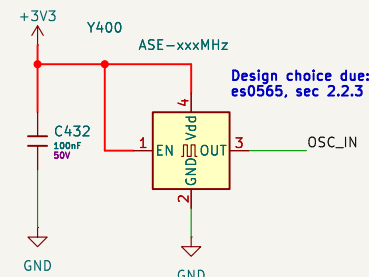
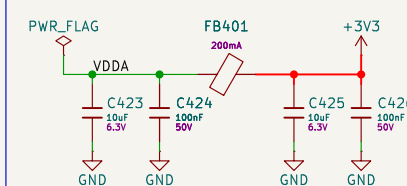
## CAN



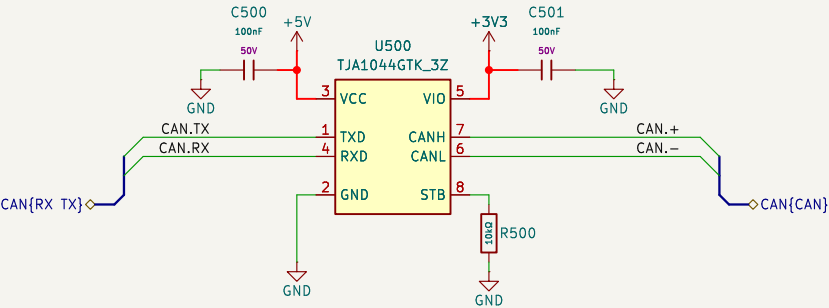
## CRYSTAL RESONATORS



## AVDD



CAN TRANSCEIVER



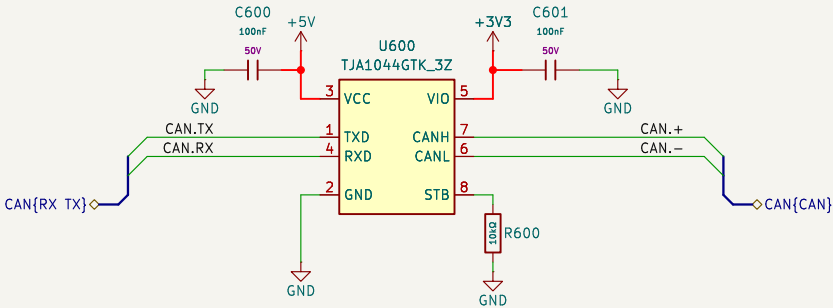
Project author: Dominik Pluta  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /CAN transceiver 1/  
File: can-transceiver.kicad\_sch

**Title: ModuCard GPIO module**

Size: A4	Date: 2025-06-19	Rev: 1.0.0
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CAN TRANSCEIVER



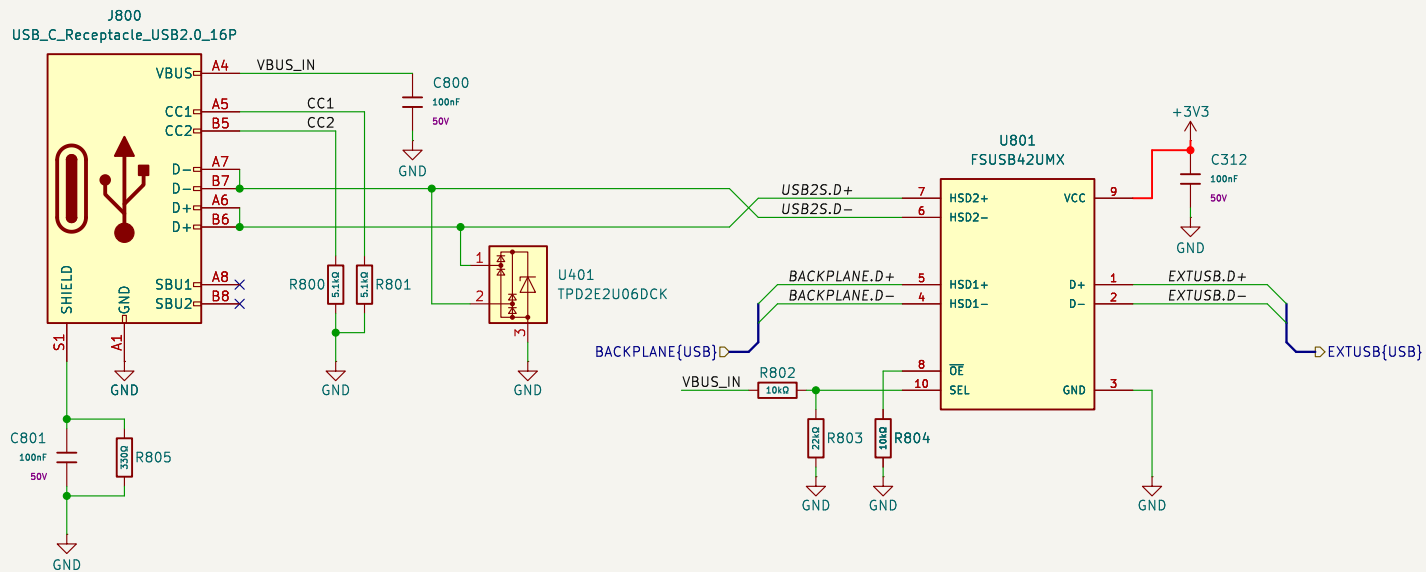
Project author: Dominik Pluta  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /CAN transceiver 2/  
File: can-transceiver.kicad\_sch

**Title: ModuCard GPIO module**

Size: A4	Date: 2025-06-19	Rev: 1.0.0
KiCad E.D.A. 9.0.2		Id: 6/18





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

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

**Title: ModuCard GPIO module**

Size: A4 Date: 2025-06-19

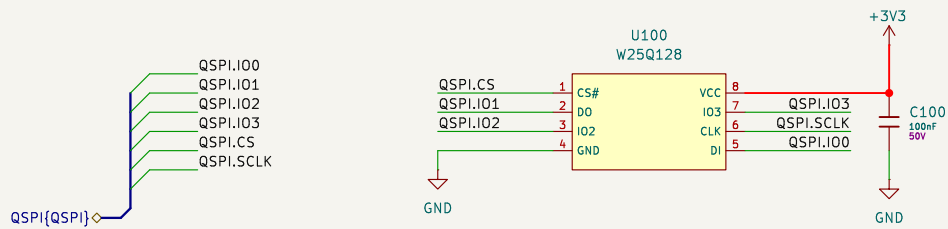
KiCad E.D.A. 9.0.2

**Rev: 1.0.0**

Id: 8/18



Id: 9/18



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

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

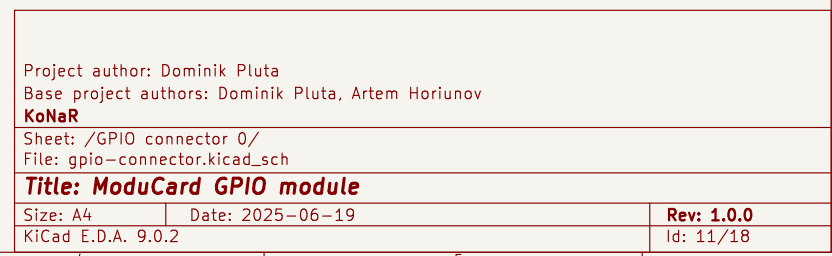
**Title: ModuCard GPIO module**

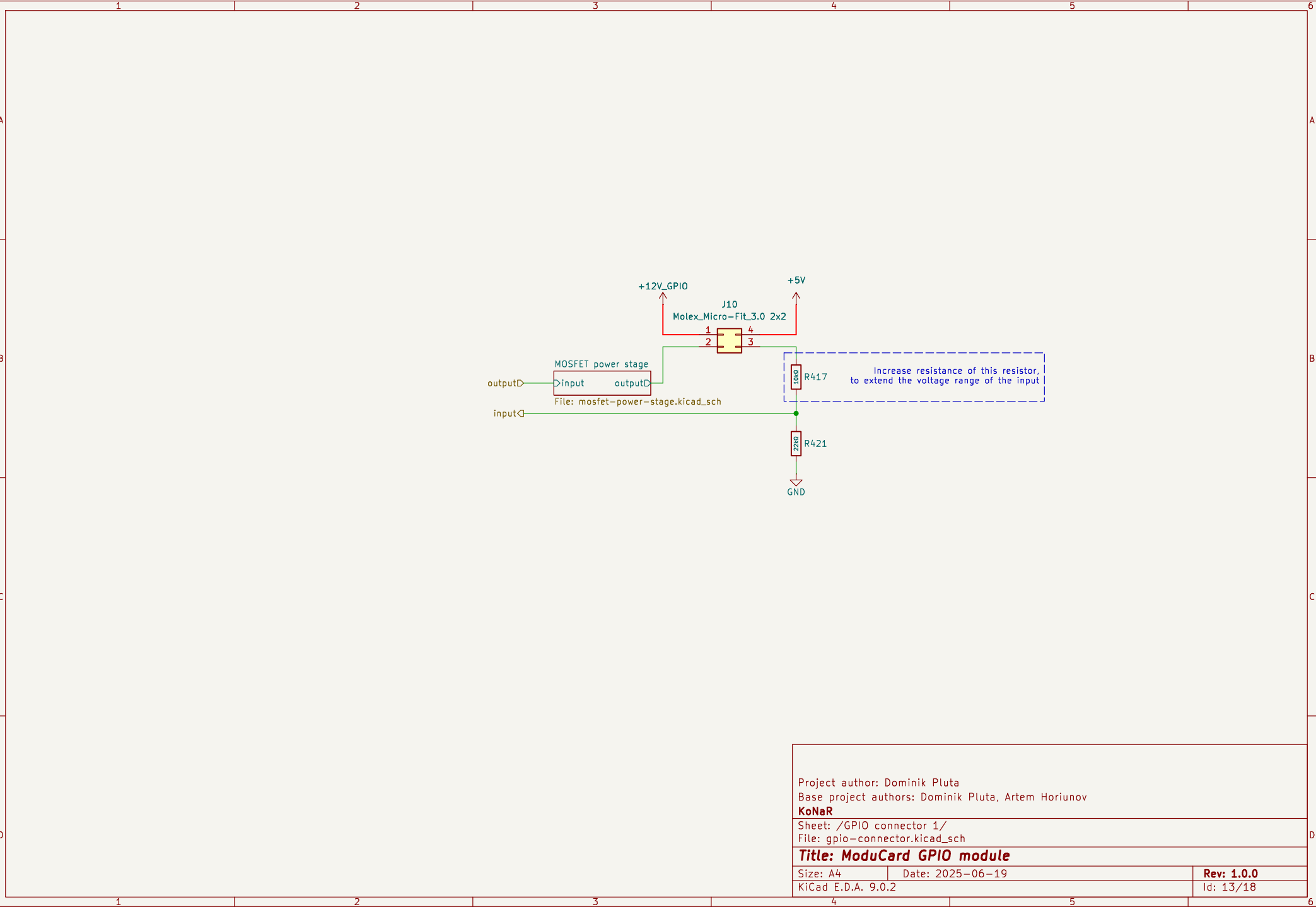
Size: A4 Date: 2025-06-19

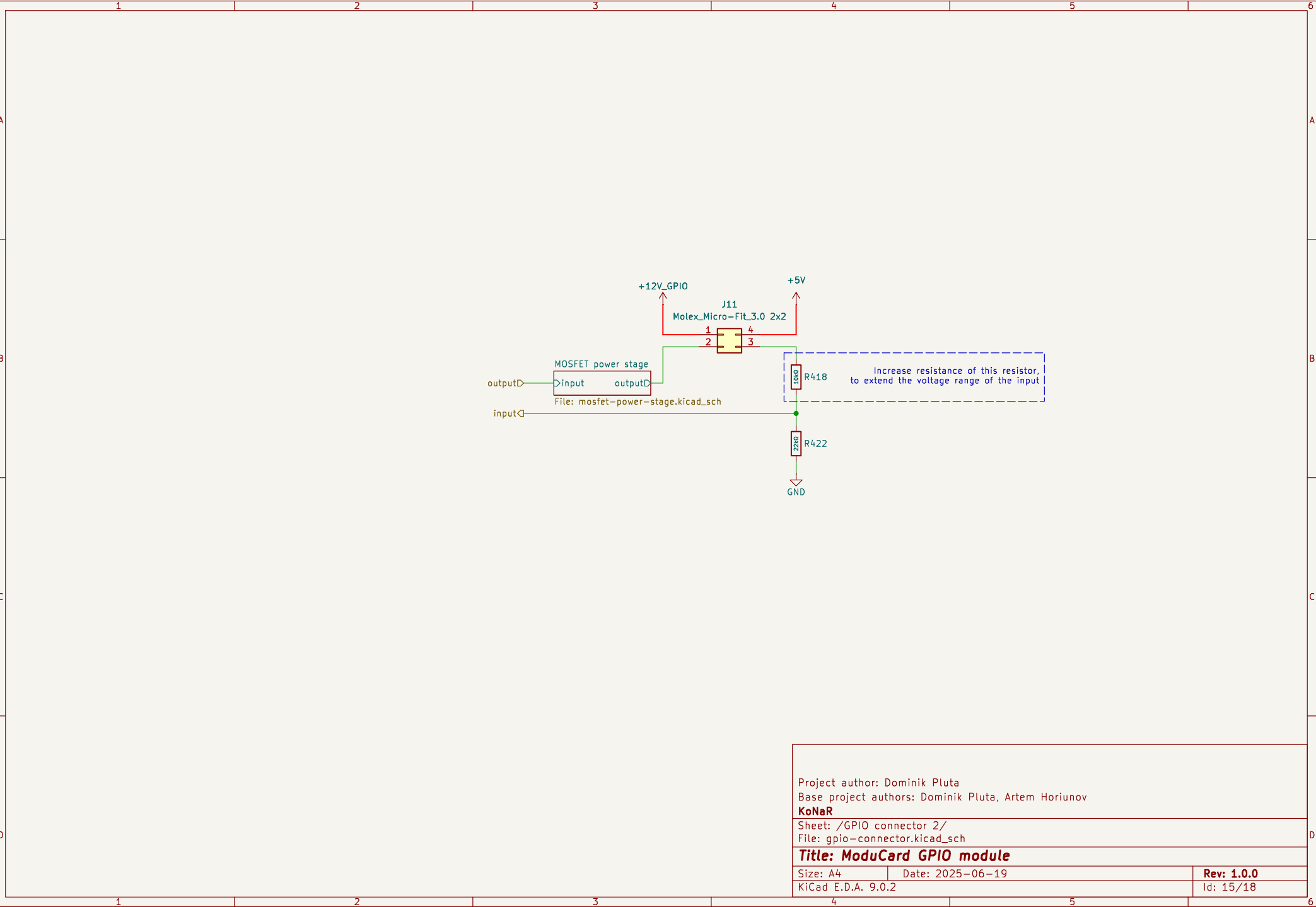
KiCad E.D.A. 9.0.2

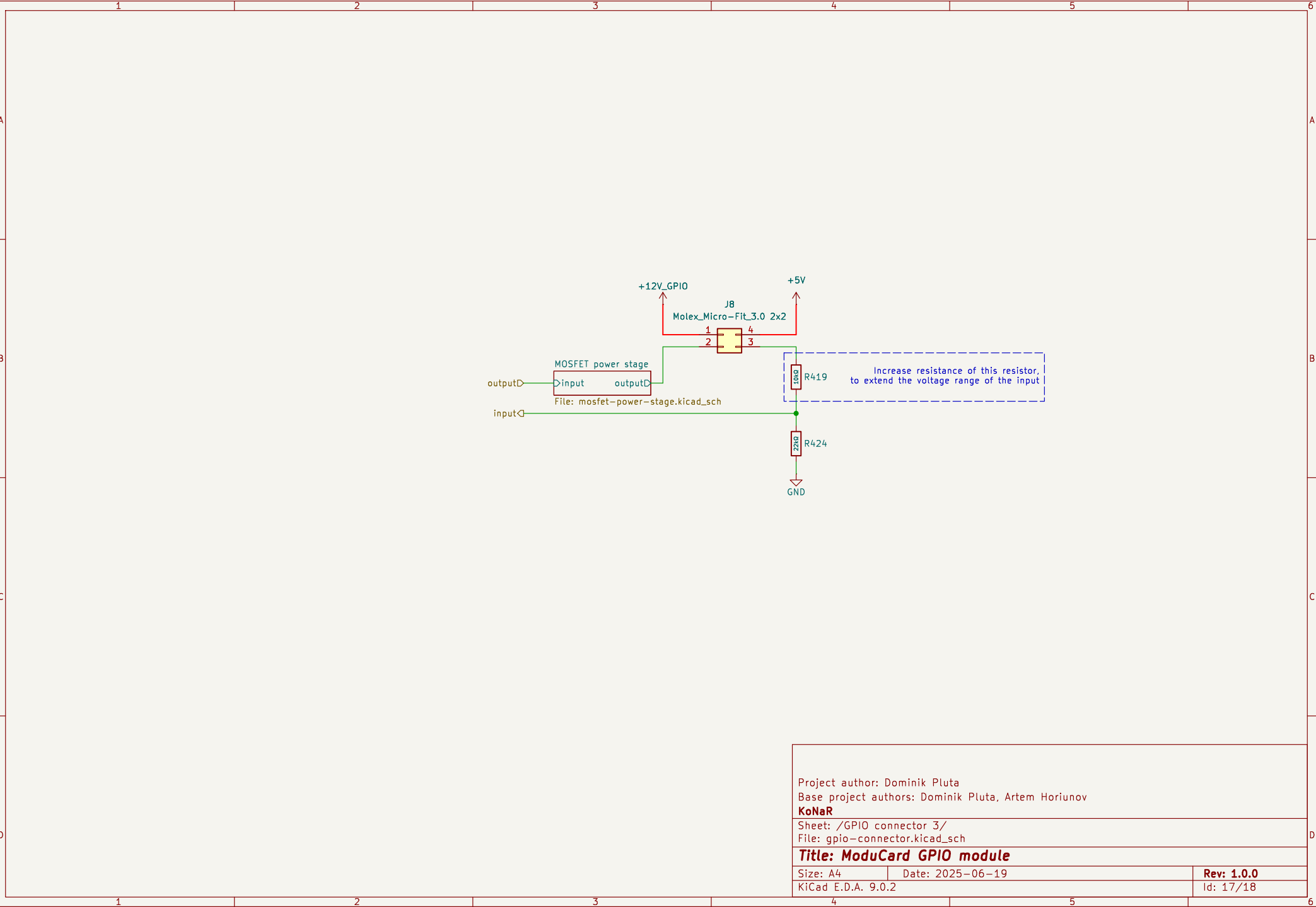
**Rev: 1.0.0**

Id: 10/18







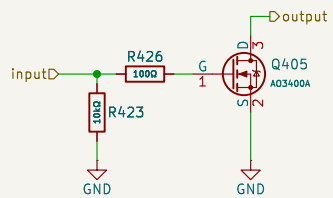


Project author: Dominik Pluta  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /GPIO connector 3/  
File: gpio-connector.kicad\_sch

**Title: ModuCard GPIO module**

Size: A4	Date: 2025-06-19	<b>Rev: 1.0.0</b>
KiCad E.D.A. 9.0.2		Id: 17/18

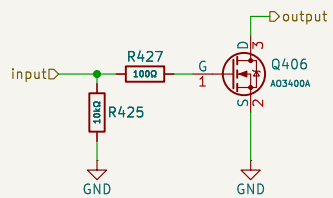


Project author: Dominik Pluta  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /GPIO connector 0/MOSFET power stage/  
File: mosfet-power-stage.kicad\_sch

**Title: ModuCard GPIO module**

Size: A4	Date: 2025-06-19	<b>Rev: 1.0.0</b>
KiCad E.D.A. 9.0.2		Id: 12/18



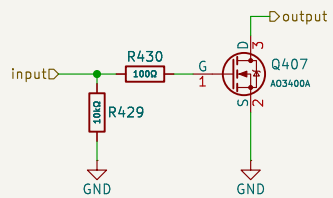
Project author: Dominik Pluta  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /GPIO connector 1/MOSFET power stage/  
File: mosfet-power-stage.kicad\_sch

**Title: ModuCard GPIO module**

Size: A4	Date: 2025-06-19	<b>Rev: 1.0.0</b>
KiCad E.D.A. 9.0.2		Id: 14/18



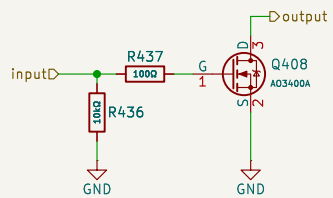


Project author: Dominik Pluta  
Base project authors: Dominik Pluta, Artem Horiunov  
**KoNaR**

Sheet: /GPIO connector 2/MOSFET power stage/  
File: mosfet-power-stage.kicad\_sch

**Title: ModuCard GPIO module**

Size: A4	Date: 2025-06-19	<b>Rev: 1.0.0</b>
KiCad E.D.A. 9.0.2		Id: 16/18



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

Sheet: /GPIO connector 3/MOSFET power stage/  
File: mosfet-power-stage.kicad\_sch

**Title: ModuCard GPIO module**

Size: A4	Date: 2025-06-19	<b>Rev: 1.0.0</b>
KiCad E.D.A. 9.0.2		Id: 18/18