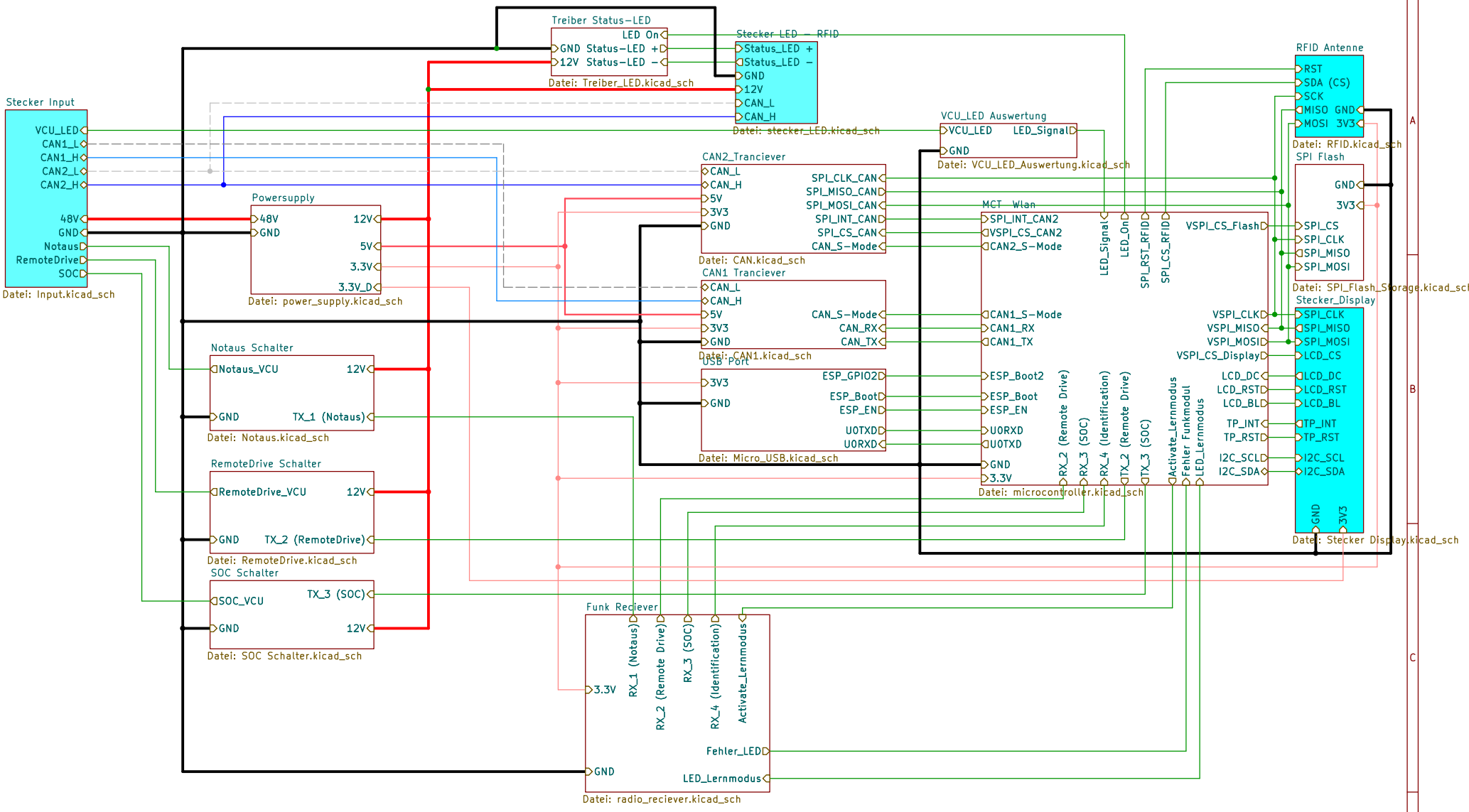

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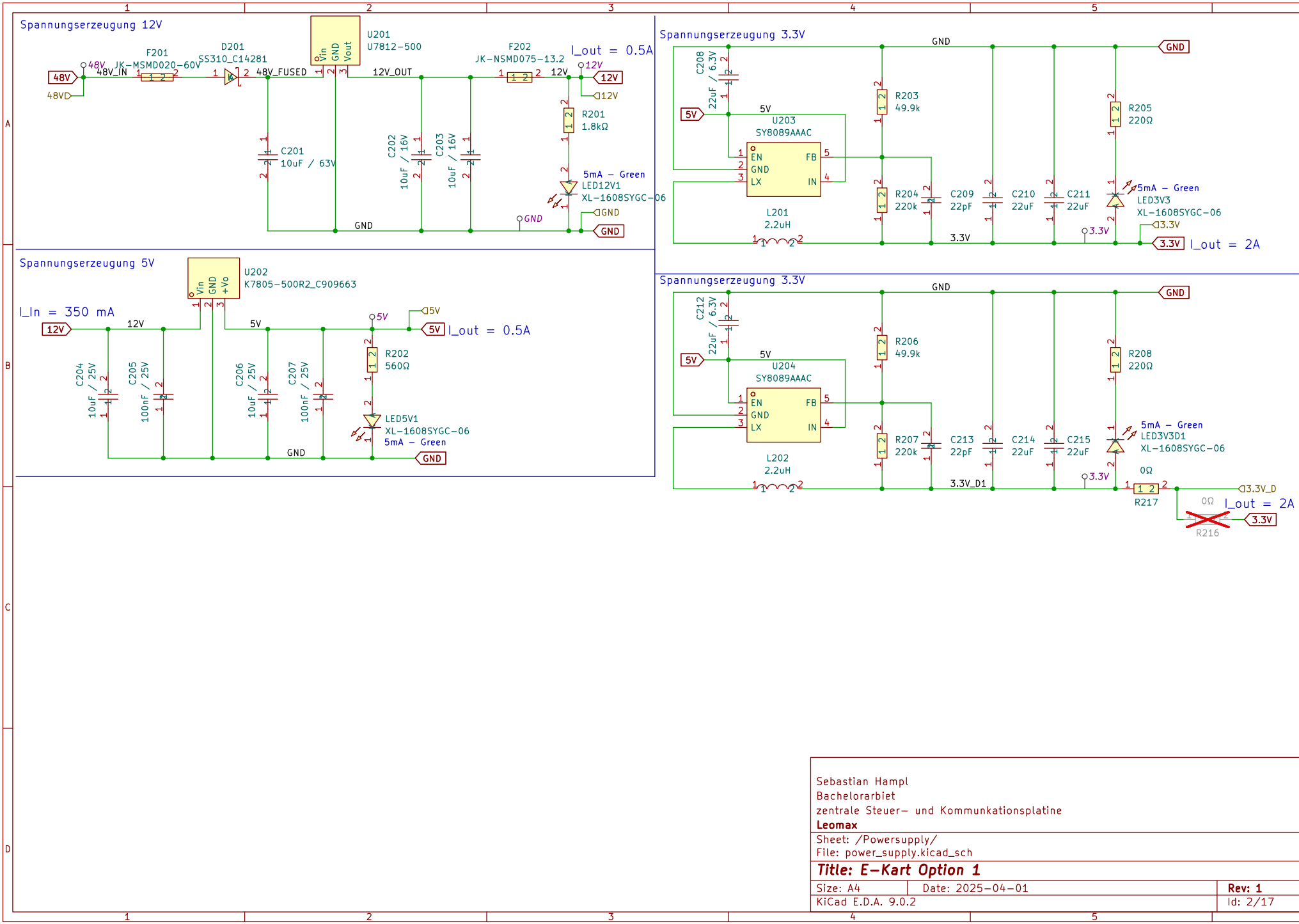
Sheet: /
File: Option1.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 1/17


Spannungserzeugung 12V
48V
48V_IN
F201
JK-MSMD020-60V
D201
SS310_C14281
48V_FUSED
U201
U7812-500
Vin
GND
Vout
12V_OUT
F202
JK-NSMD075-13.2
12V
I_out = 0.5A
R201
1.8kΩ
C201
10uF / 63V
C202
10uF / 16V
C203
10uF / 16V
5mA - Green
LED12V1
XL-1608SYGC-06
GND
Spannungserzeugung 5V
U202
K7805-500R2_C909663
Vin
GND
+Vo
I_In = 350 mA
5V
I_out = 0.5A
C204
10uF / 25V
C205
100nF / 25V
C206
10uF / 25V
C207
100nF / 25V
R202
560Ω
LED5V1
XL-1608SYGC-06
5mA - Green
Spannungserzeugung 3.3V
C208
22uF / 6.3V
U203
SY8089AAAC
EN
GND
LX
FB
IN
L201
2.2uH
R203
49.9k
R204
220k
C209
22pF
C210
22uF
C211
22uF
R205
220Ω
5mA - Green
LED3V3
XL-1608SYGC-06
3.3V
I_out = 2A
Spannungserzeugung 3.3V
C212
22uF / 6.3V
U204
SY8089AAAC
L202
2.2uH
R206
49.9k
R207
220k
C213
22pF
C214
22uF
C215
22uF
R208
220Ω
5mA - Green
LED3V3D1
XL-1608SYGC-06
3.3V_D1
0Ω
R217
R216
I_out = 2A
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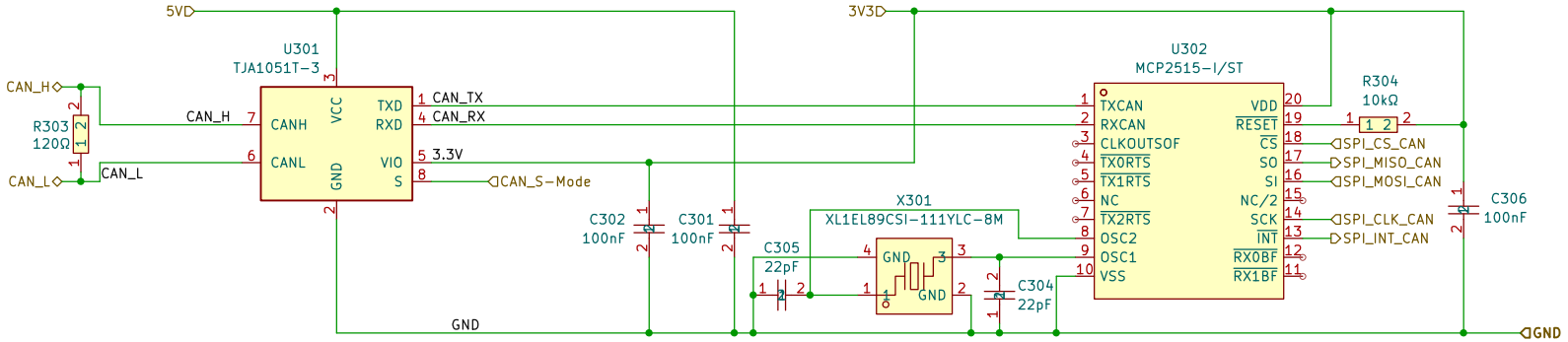
Sheet: /Powersupply/
File: power_supply.kicad_sch
Title: E-Kart Option 1
Size: A4
Date: 2025-04-01
Rev: 1
KiCad E.D.A. 9.0.2
Id: 2/17



CAN to SPI

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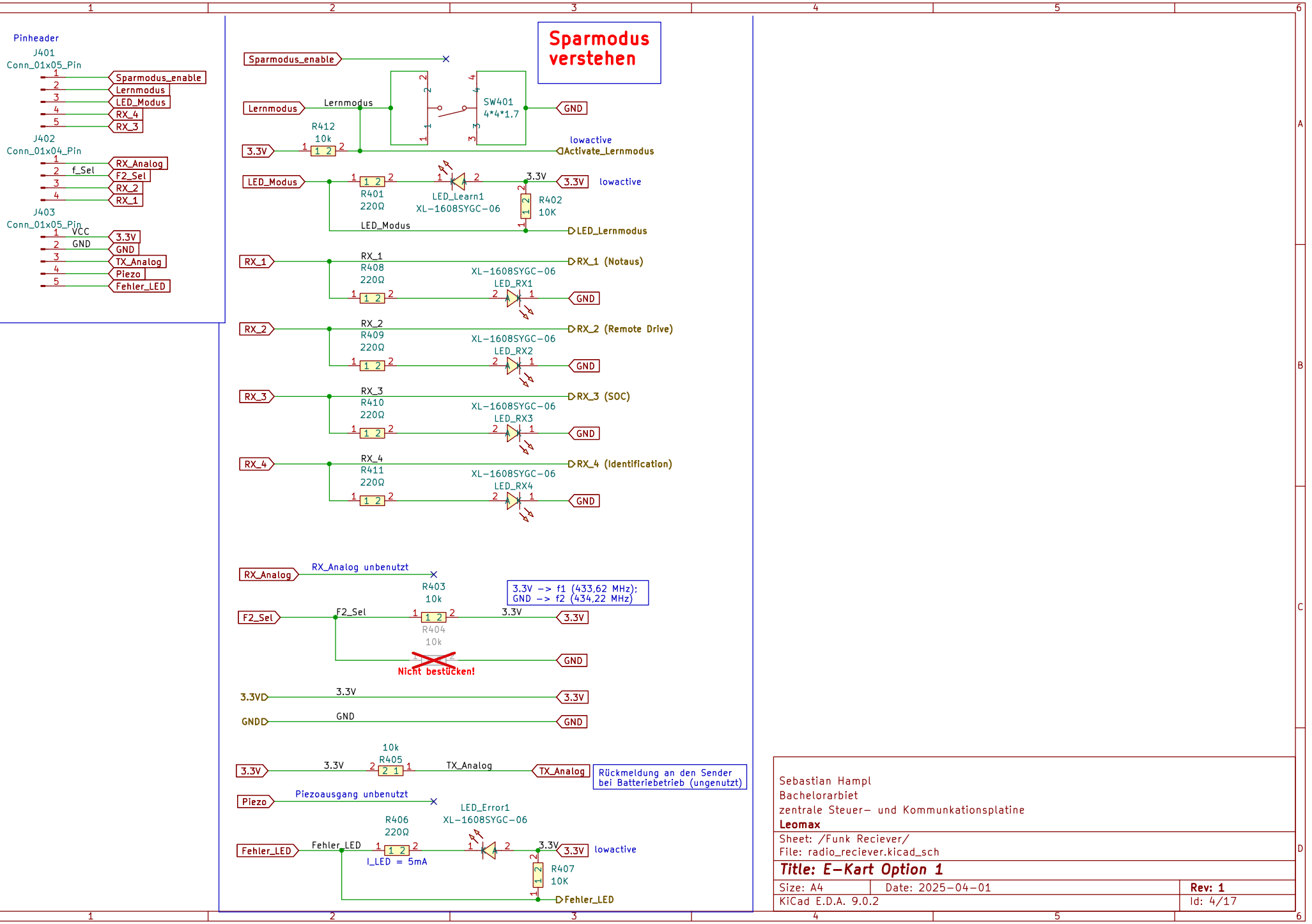
Sheet: /CAN2_Tranciever/
File: CAN.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 3/17



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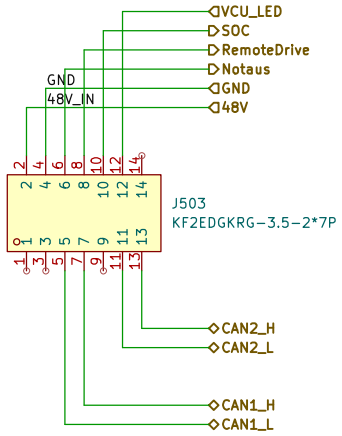
Sheet: /Funk Reciever/
File: radio_reciever.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 4/17



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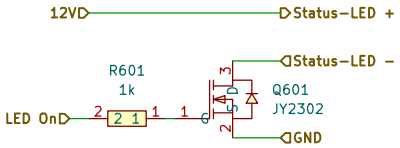
Sheet: /Stecker Input/
File: Input.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 5/17



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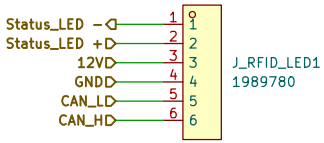
Sheet: /Treiber Status-LED/
File: Treiber_LED.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 6/17

Pinheader
als
Platzhalter
für Stecker



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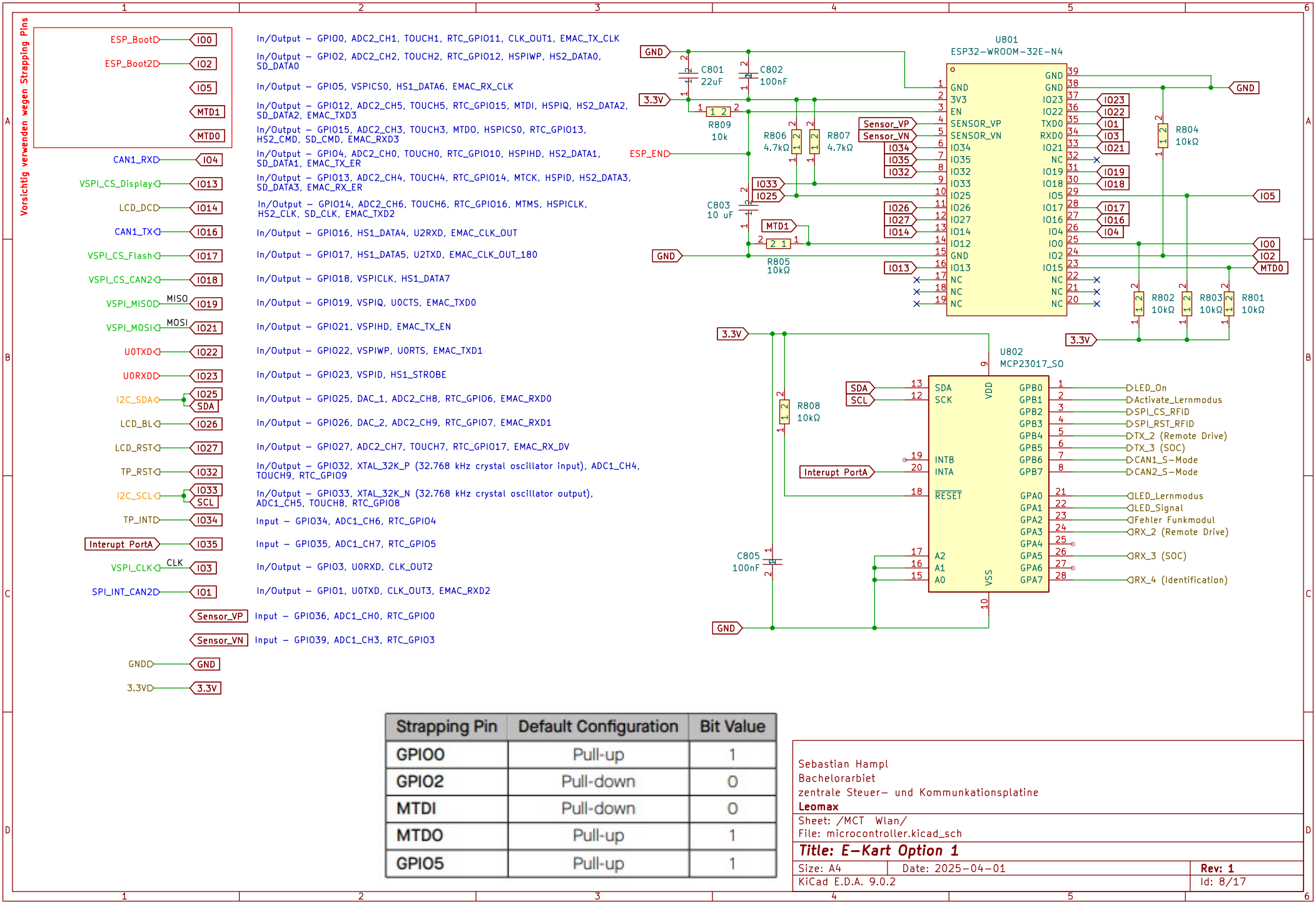
Sheet: /Stecker LED - RFID/
File: stecker_LED.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 7/17



Strapping Pin	Default Configuration	Bit Value
GPIO0	Pull-up	1
GPIO2	Pull-down	0
MTDI	Pull-down	0
MTDO	Pull-up	1
GPIO5	Pull-up	1

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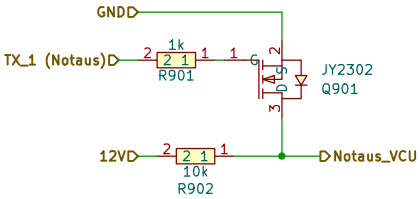
Sheet: /MCT Wlan/
File: microcontroller.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 8/17



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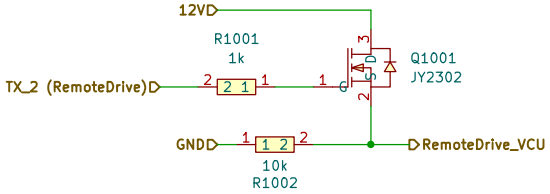
Sheet: /Notaus Schalter/
File: Notaus.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 9/17



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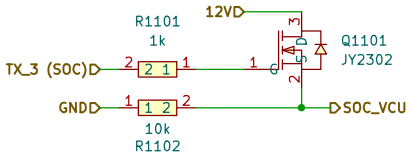
Sheet: /RemoteDrive Schalter/
File: RemoteDrive.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 10/17



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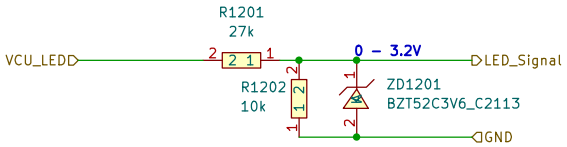
Sheet: /SOC Schalter/
File: SOC Schalter.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 11/17



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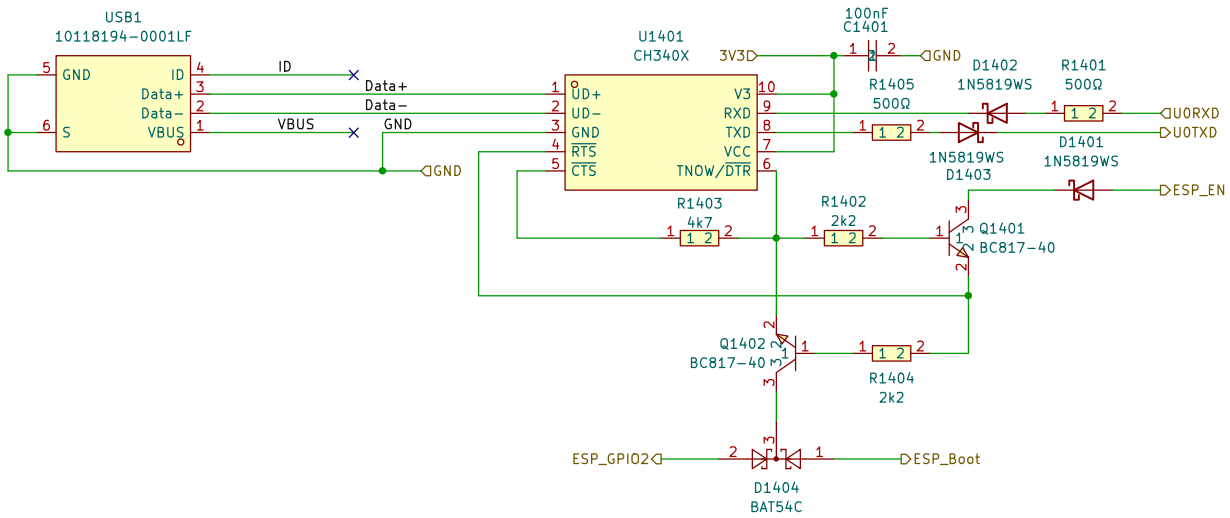
Sheet: /VCU_LED Auswertung/
File: VCU_LED_Auswertung.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 12/17



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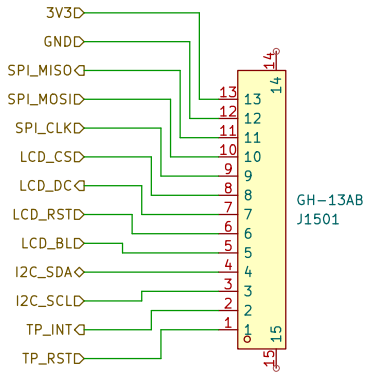
Sheet: /USB Port/
File: Micro_USB.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 14/17



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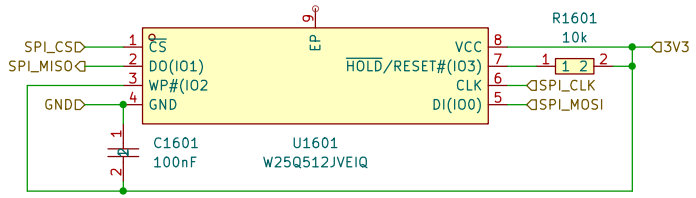
Sheet: /Stecker_Display/
File: Stecker Display.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 15/17



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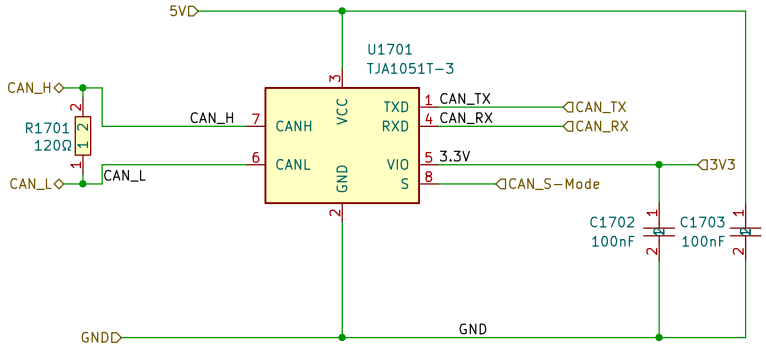
Sheet: /SPI Flash/
File: SPI_Flash_Storage.kicad_sch

Title: E–Kart Option 1

Size: A4	Date: 2025–04–01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 16/17



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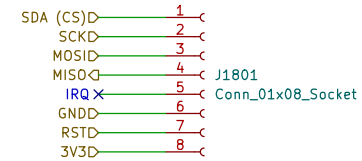
Sheet: /CAN1 Tranciever/
File: CAN1.kicad_sch

Title: E-Kart Option 1

Size: A4	Date: 2025-04-01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 17/17



Pinout für BerryBase RFID Reader

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Sheet: /RFID Antenne/
File: RFID.kicad_sch

Title: E–Kart Option 1

Size: A4	Date: 2025–04–01	**Rev: 1**
KiCad E.D.A. 9.0.2		Id: 18/17