

**Designers:** Krzysztof Grajek, Wojtek Kotodziej

Sheet: /  
File: main.kicad\_sch

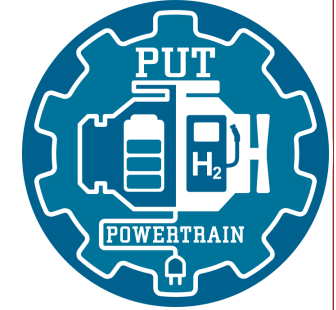
**Title:** POWERBoat Schematic

Size: A4 Date: 2025-01-09

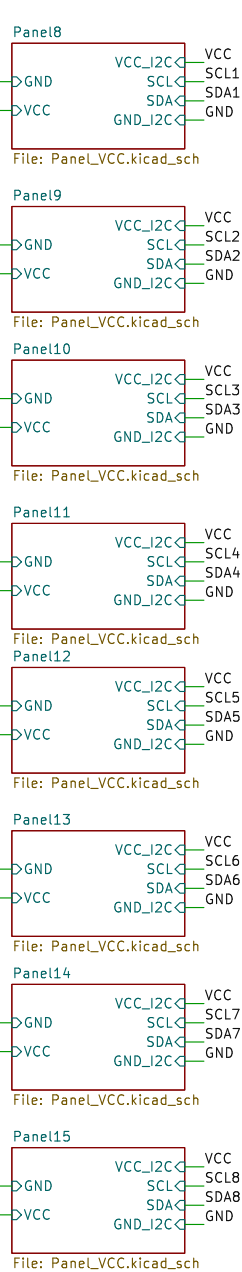
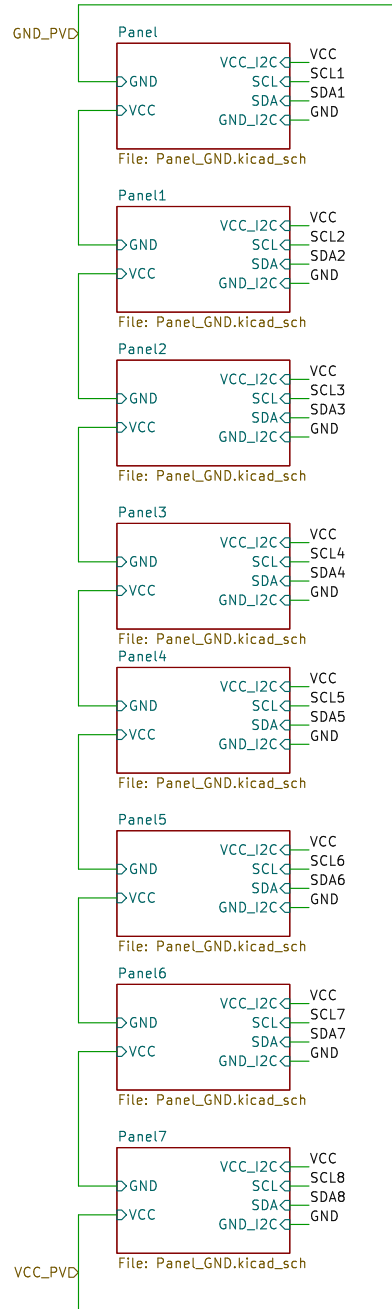
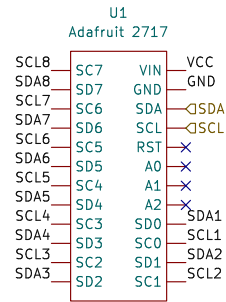
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**Rev:**

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VCC\_MCUD VCC  
GND\_MCUD GND Added to add more flexibility



Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Panels/  
File: panels.kicad\_sch

Title: Panels schematic

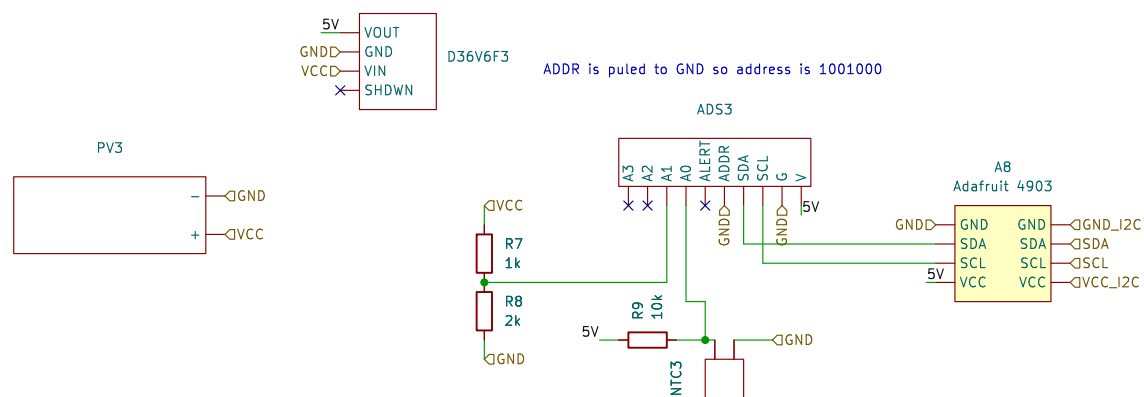
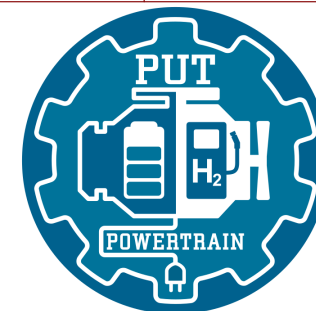
Size: A4 Date: 2025-01-09

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Rev:  
Id: 2/36







**Designers:** Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Panels/Panel2/  
File: Panel\_GND.kicad\_sch

**Title:**

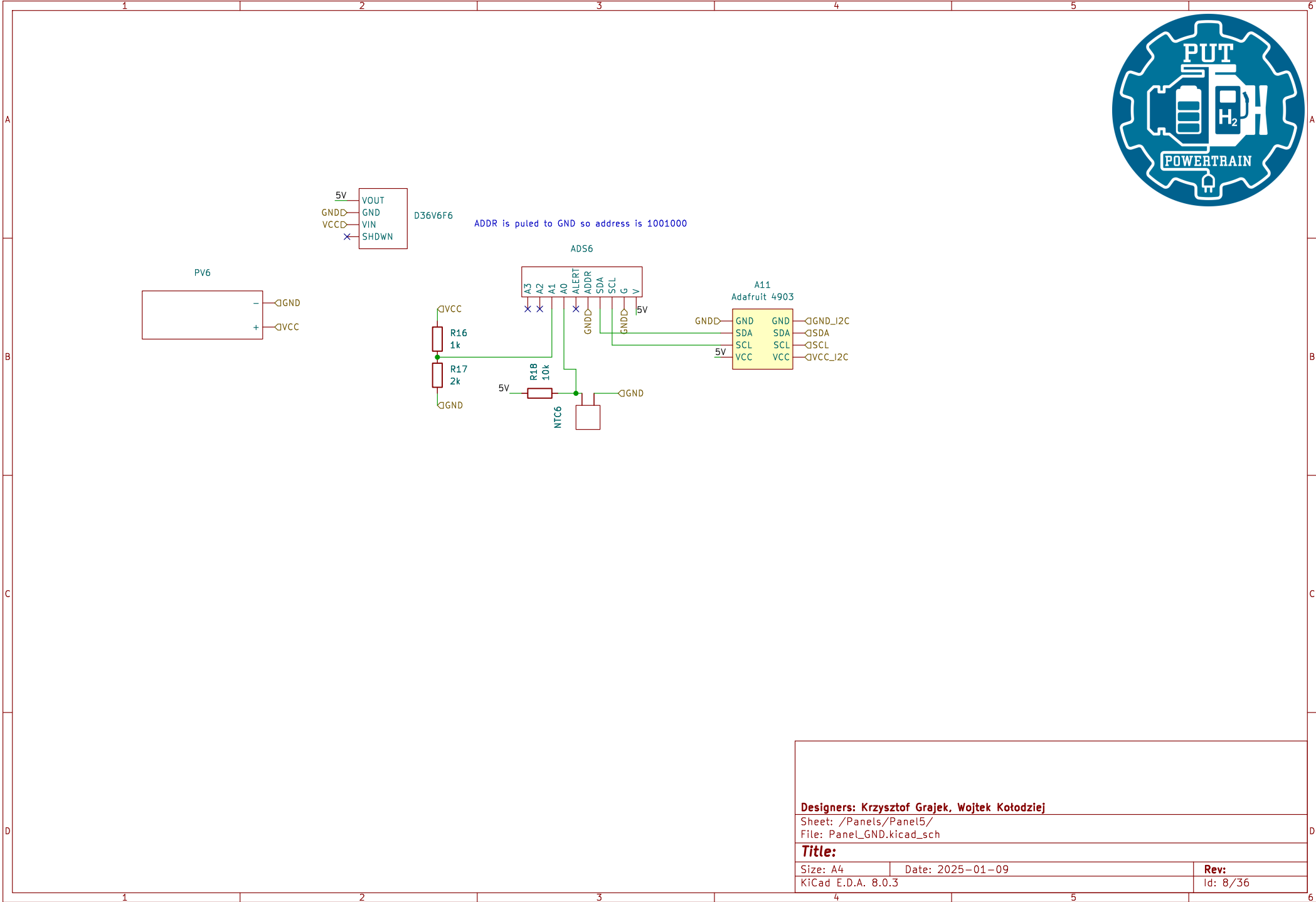
Size: A4  
KiCad E.D.A. 8.0.3

Date: 2025-01-09

**Rev:**  
Id: 5/36

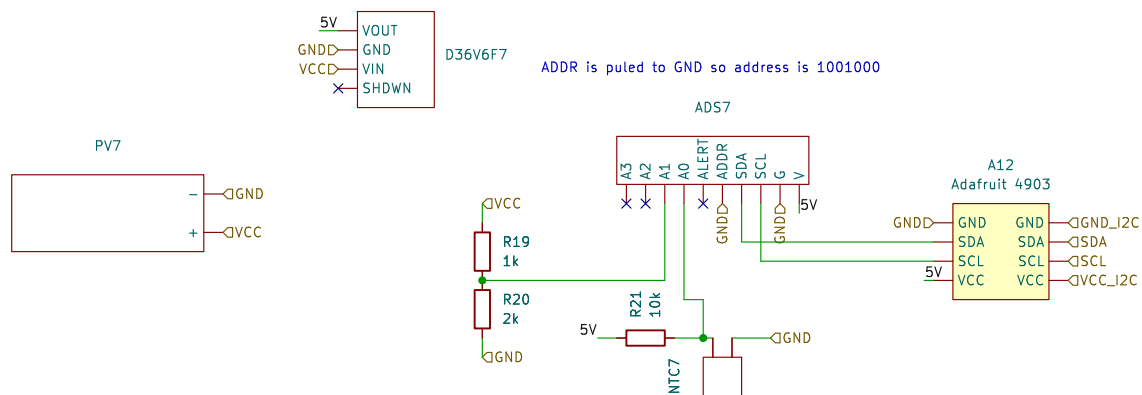
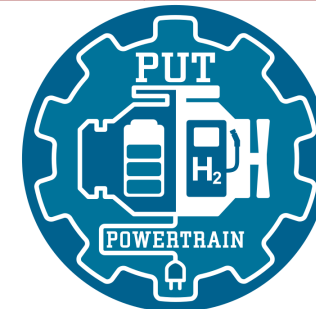






Id: 8/36





Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Panels/Panel6/  
File: Panel\_GND.kicad\_sch

Title:

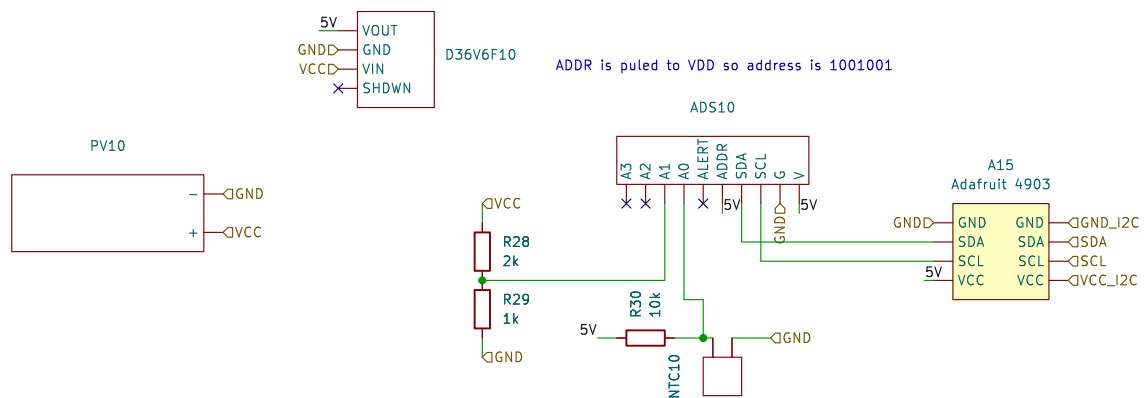
Size: A4  
KiCad E.D.A. 8.0.3

Date: 2025-01-09

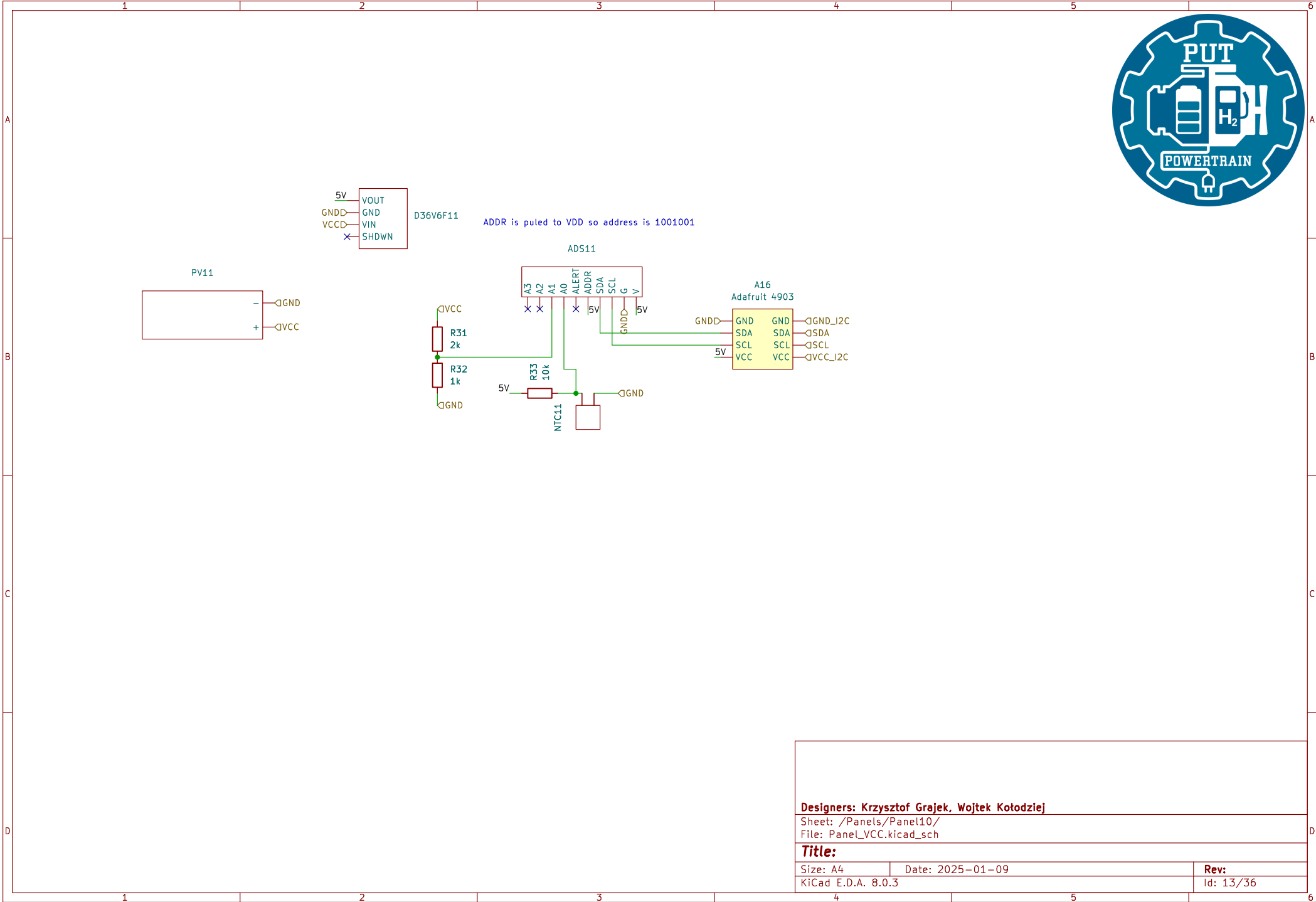
Rev:  
Id: 9/36







Id: 12/36



Sheet: /Panels/Panel10/  
File: Panel\_VCC.kicad\_sch

Size: A4	Date: 2025-01-09	Rev:
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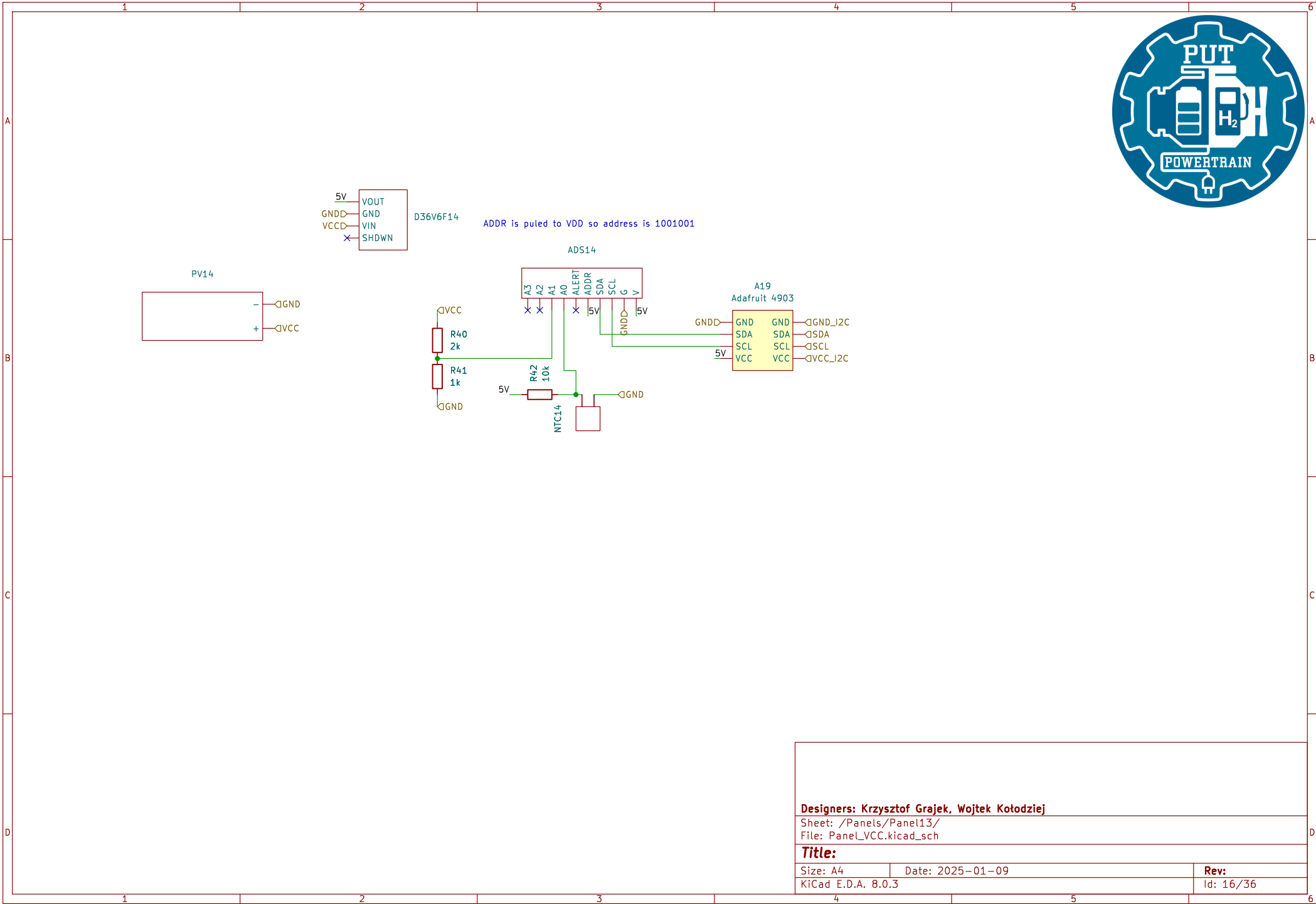
Date: 2025-01-09

Id: 13/36

KiCad E.D.A. 8.0.3







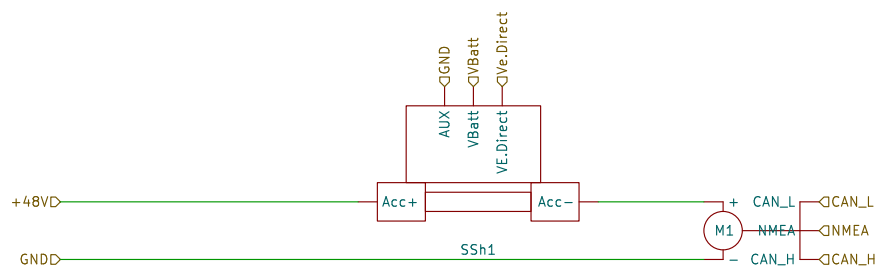
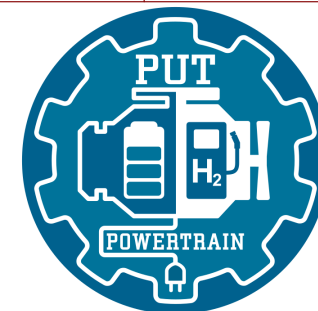
Id: 16/36











**Designers:** Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Main motor/  
File: Main\_Motor.kicad\_sch

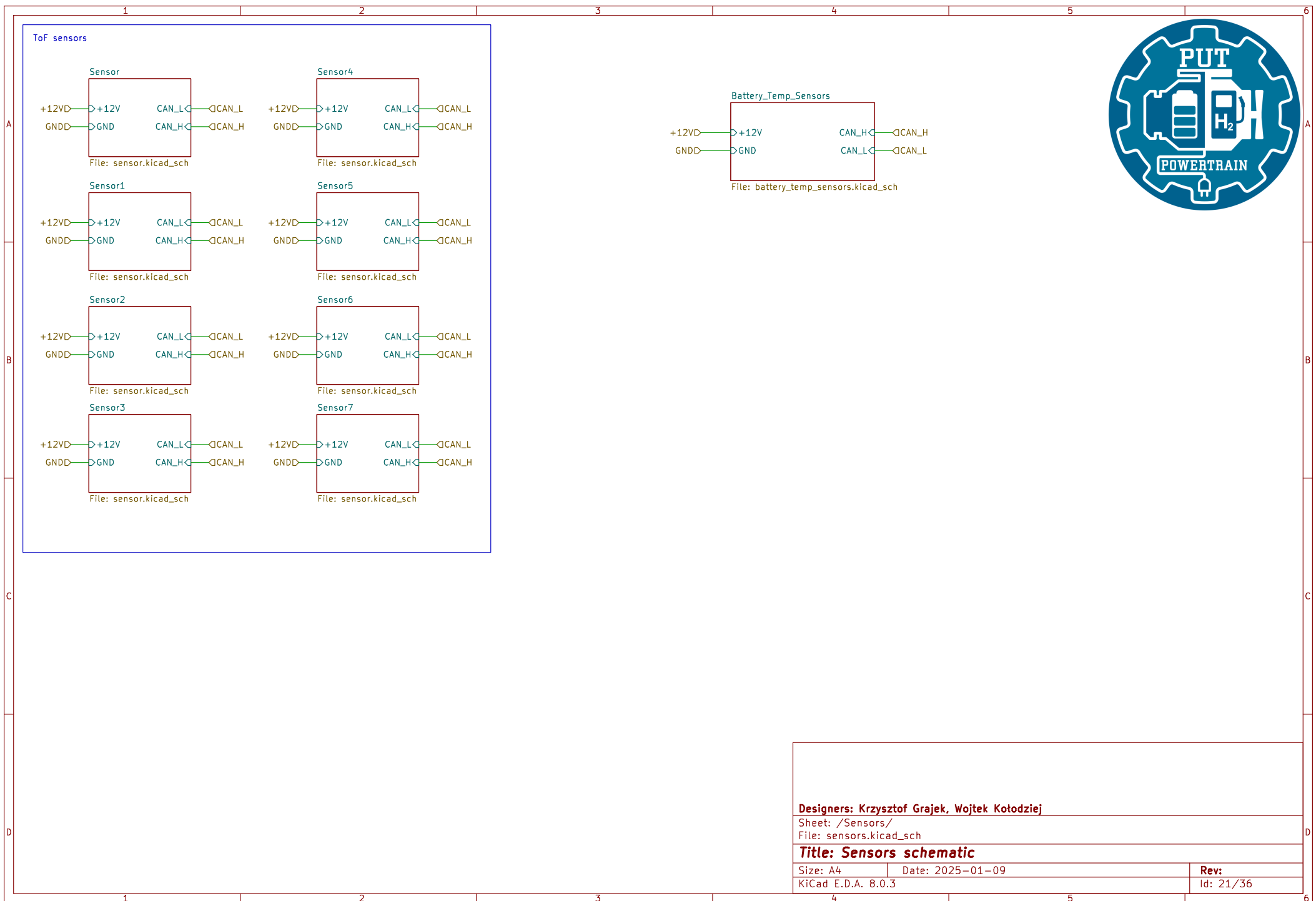
**Title:** Main motor schematic

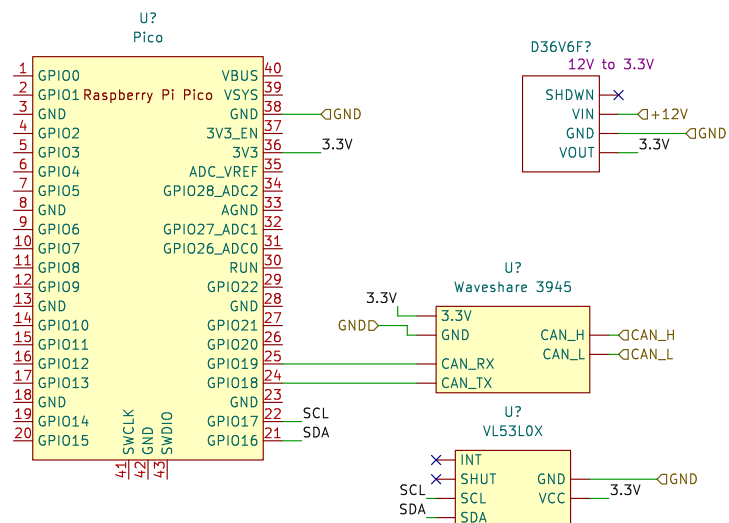
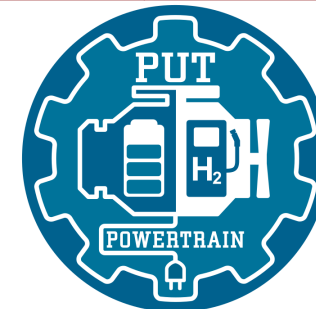
Size: A4 Date: 2025-01-09

KiCad E.D.A. 8.0.3

**Rev:**

Id: 20/36





Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor/  
File: sensor.kicad\_sch

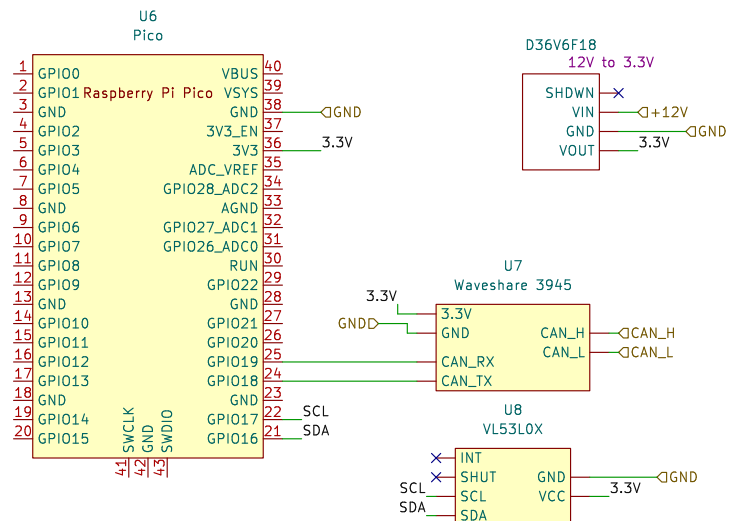
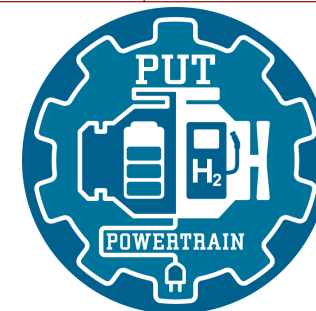
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Size: A4 Date: 2025-01-09

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Rev:

Id: 22/36



Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor1/  
File: sensor.kicad\_sch

Title:

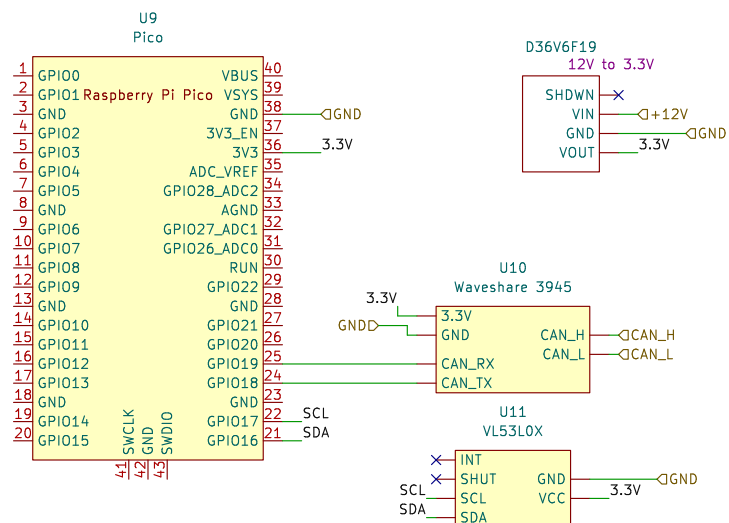
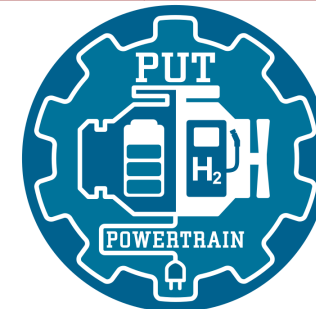
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Date: 2025-01-09

Rev:

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Id: 23/36



Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor2/  
File: sensor.kicad\_sch

Title:

Size: A4

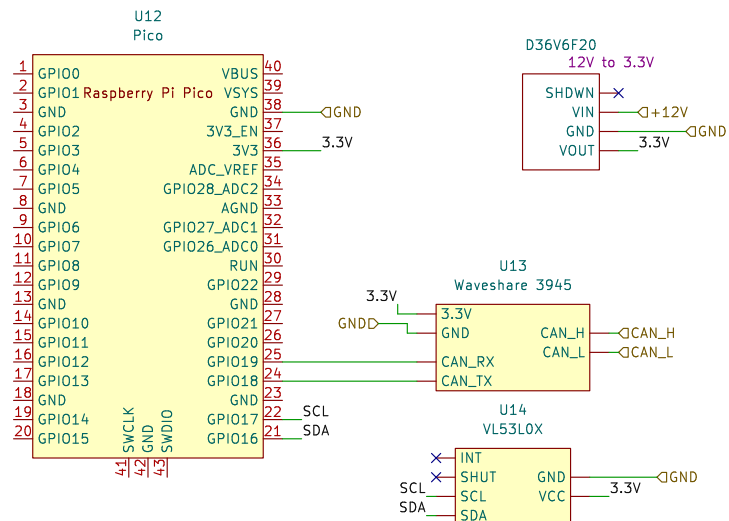
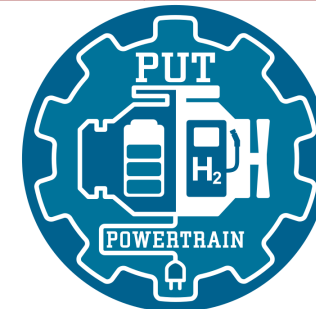
Date: 2025-01-09

Rev:

KiCad E.D.A. 8.0.3

Id: 24/36





Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor3/  
File: sensor.kicad\_sch

Title:

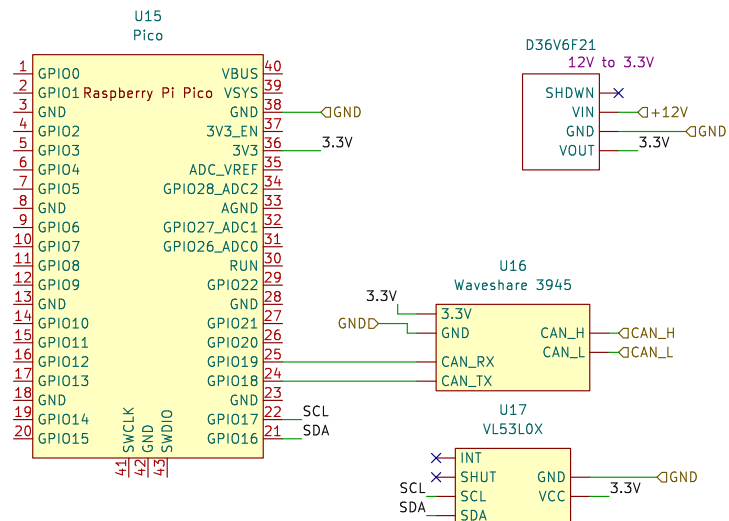
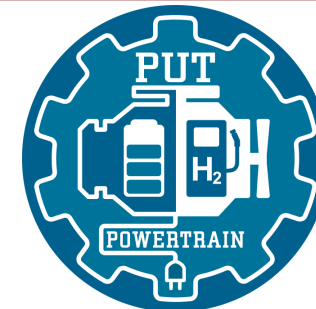
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Date: 2025-01-09

Rev:

KiCad E.D.A. 8.0.3

Id: 25/36



Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor4/  
File: sensor.kicad\_sch

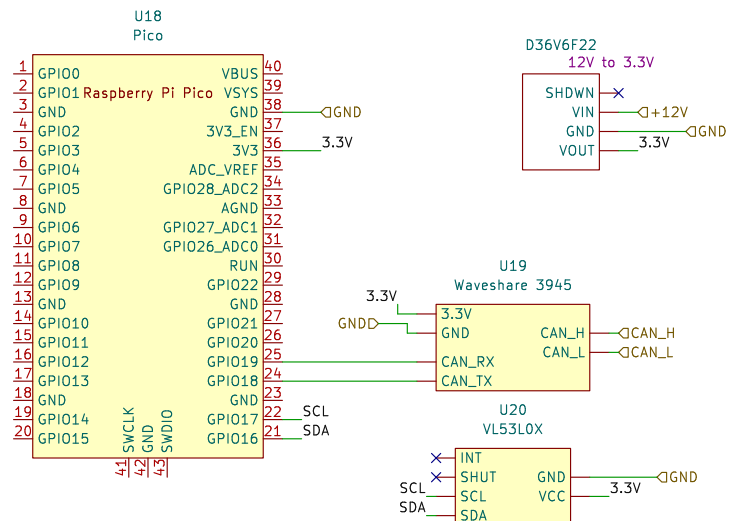
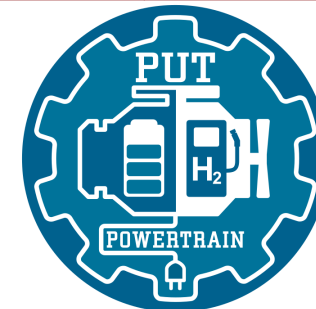
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Size: A4 Date: 2025-01-09

KiCad E.D.A. 8.0.3

Rev:

Id: 26/36



Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor5/  
File: sensor.kicad\_sch

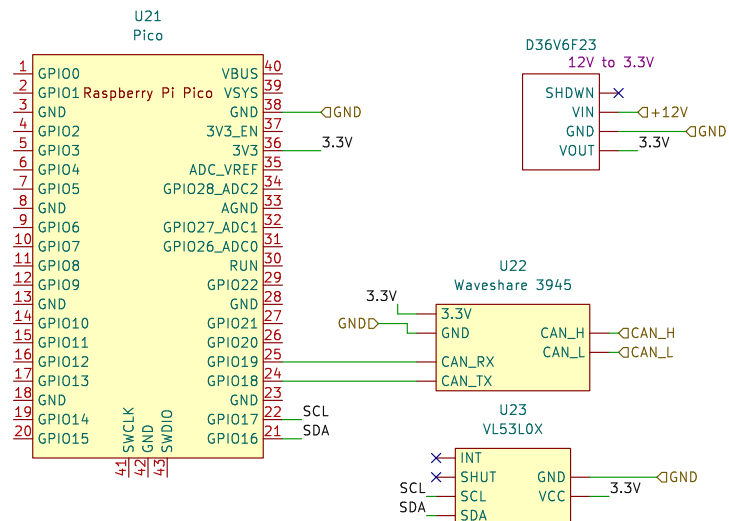
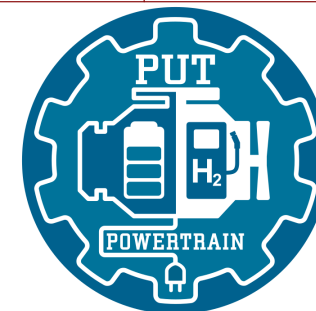
Title:

Size: A4 Date: 2025-01-09

KiCad E.D.A. 8.0.3

Rev:

Id: 27/36



Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor6/  
File: sensor.kicad\_sch

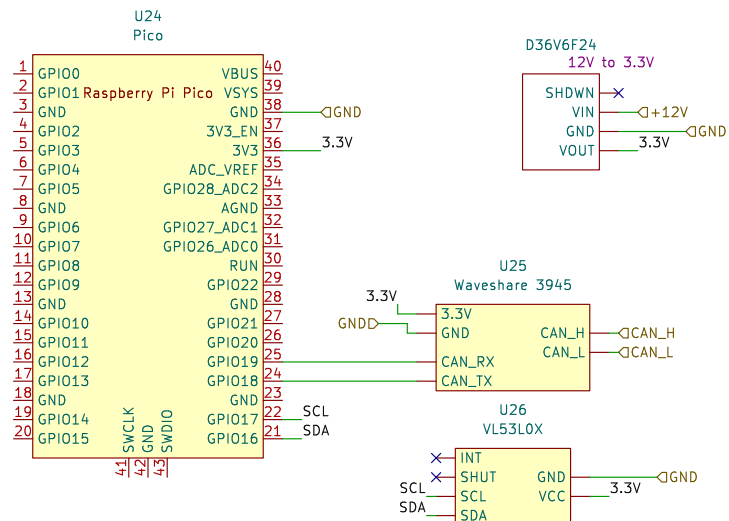
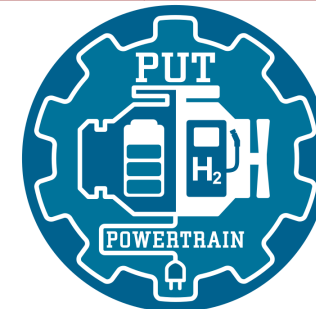
Title:

Size: A4 Date: 2025-01-09

KiCad E.D.A. 8.0.3

Rev:

Id: 28/36



Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor7/  
File: sensor.kicad\_sch

Title:

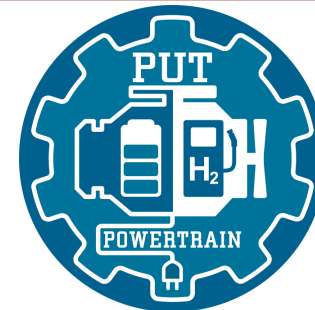
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Date: 2025-01-09

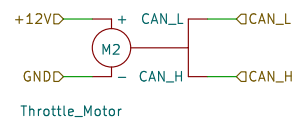
Rev:

KiCad E.D.A. 8.0.3

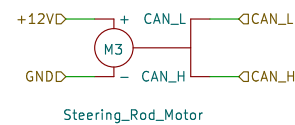
Id: 29/36



Adjusts the throttle mechanism to regulate the main motor speed



Controls the direction by adjusting the steering rod mechanism



**Designers:** Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Steering throttle actuators/  
File: steering\_throttle\_actuators.kicad\_sch

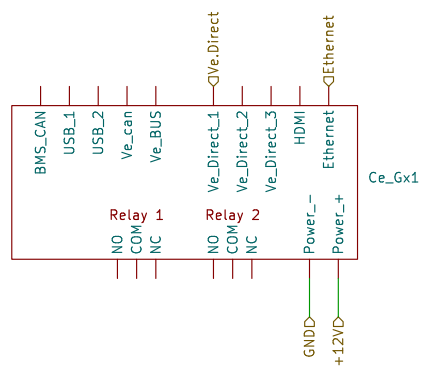
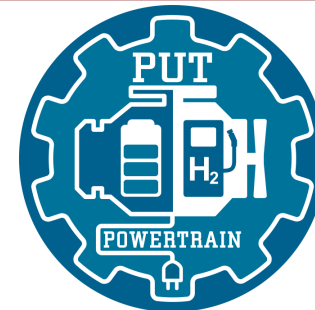
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Size: A4 Date: 2025-01-09

KiCad E.D.A. 8.0.3

**Rev:**

Id: 30/36



Designers: Krzysztof Grajek, Wojtek Kotodziej

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

**Title: Cerbo GX schematic**

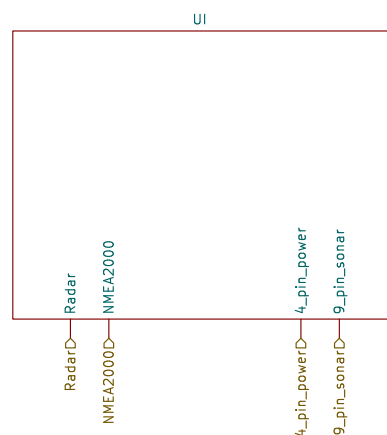
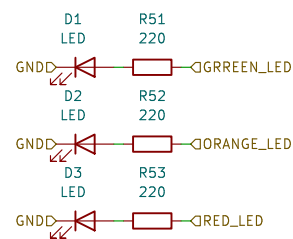
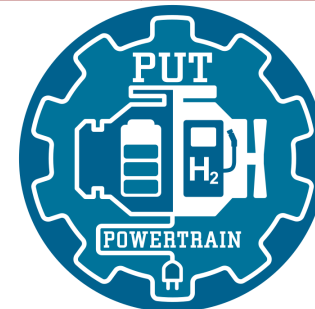
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Date: 2025-01-09

Rev:

KiCad E.D.A. 8.0.3

Id: 31/36



**Designers:** Krzysztof Grajek, Wojtek Kotodziej

Sheet: /User Interface/  
File: User\_Interface.kicad\_sch

**Title:** UI schematic

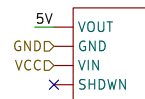
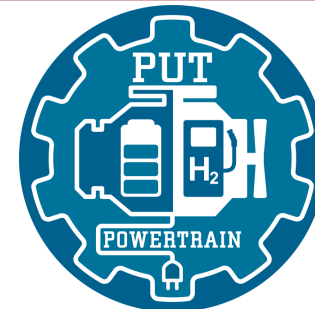
Size: A4 Date: 2025-01-09

KiCad E.D.A. 8.0.3

**Rev:**

Id: 32/36

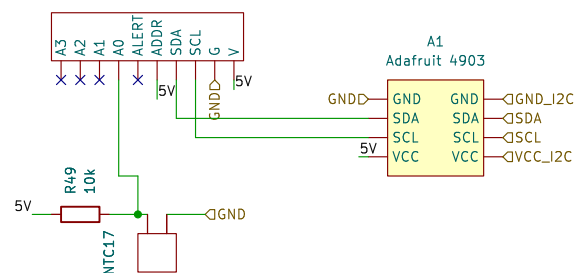




D36V6F17

ADDR is puled to VDD so address is 1001001

ADS17



**Designers:** Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Battery\_Temp\_Sensors/Battery\_Temp\_Sensor/  
File: battery\_temp\_sensor.kicad\_sch

**Title:**

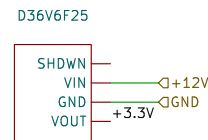
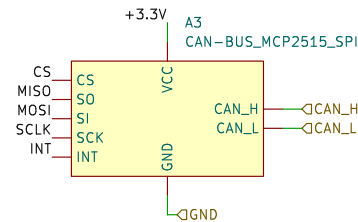
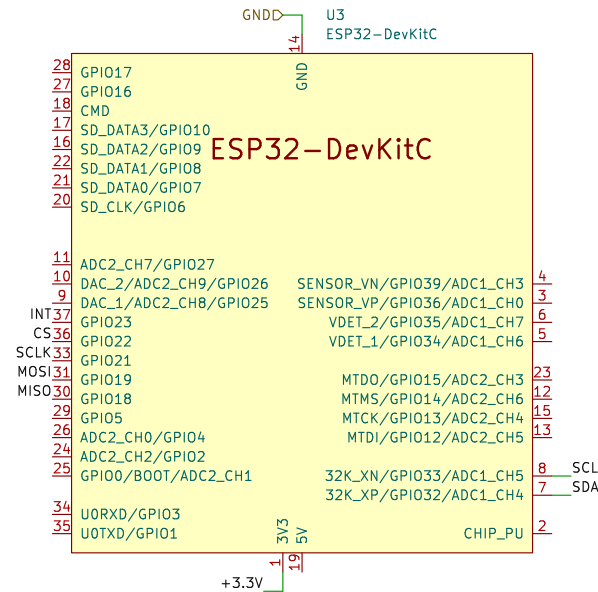
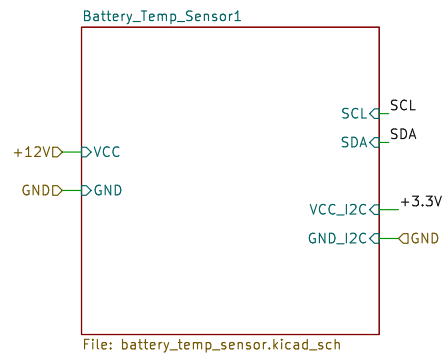
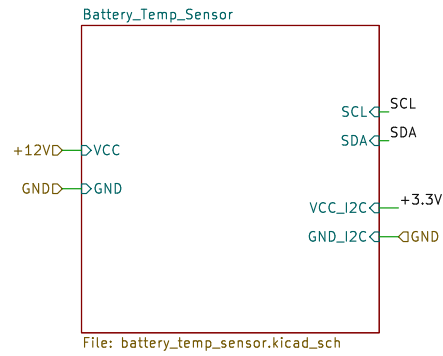
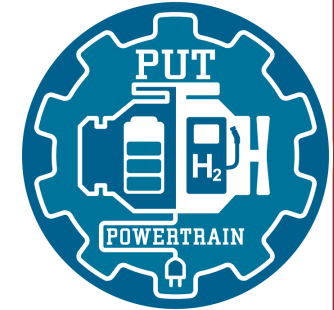
Size: A4

Date: 2025-01-09

**Rev:**

KiCad E.D.A. 8.0.3

Id: 33/36



Designers: Krzysztof Grajek, Wojtek Kotodziej

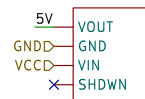
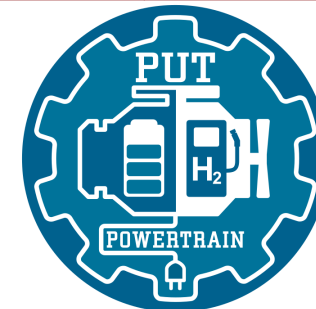
Sheet: /Sensors/Battery\_Temp\_Sensors/  
File: battery\_temp\_sensors.kicad\_sch

Title:

Size: A4  
KiCad E.D.A. 8.0.3

Date: 2025-01-09

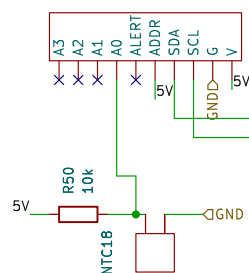
Rev:  
Id: 34/36



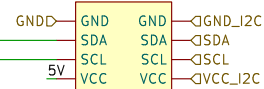
D36V6F26

ADDR is puled to VDD so address is 1001001

ADS18



A5  
Adafruit 4903



**Designers:** Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Battery\_Temp\_Sensors/Battery\_Temp\_Sensor1/  
File: battery\_temp\_sensor.kicad\_sch

**Title:**

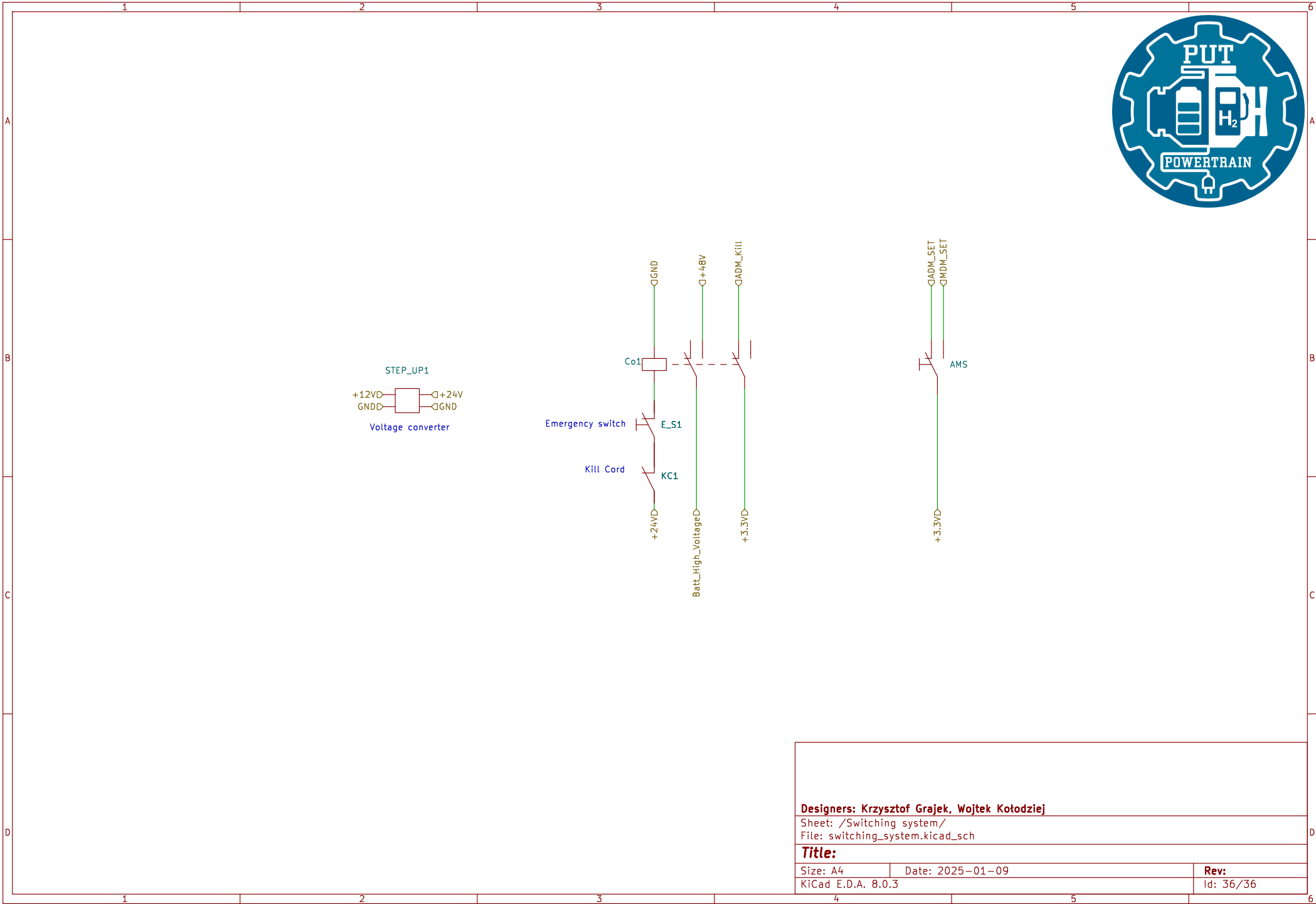
Size: A4

Date: 2025-01-09

**Rev:**

KiCad E.D.A. 8.0.3

Id: 35/36



Sheet: /Switching system/  
File: switching\_system.kicad\_sch

**Title:**

Size: A4	Date: 2025-01-09	Rev:
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Id: 36/36

Id: 36/36

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