

Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /
File: main.kicad_sch

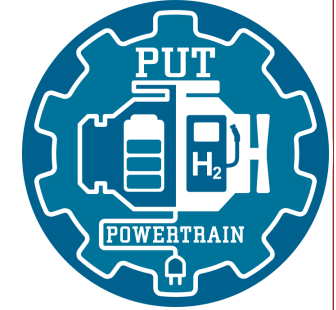
Title: POWERBoat Schematic

Size: A4 Date: 2025-01-09

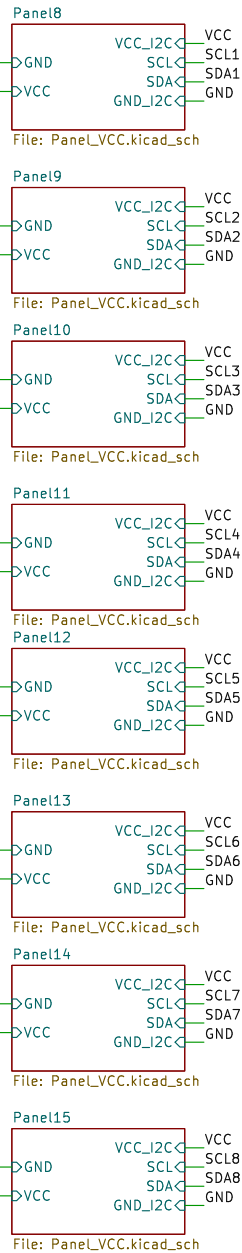
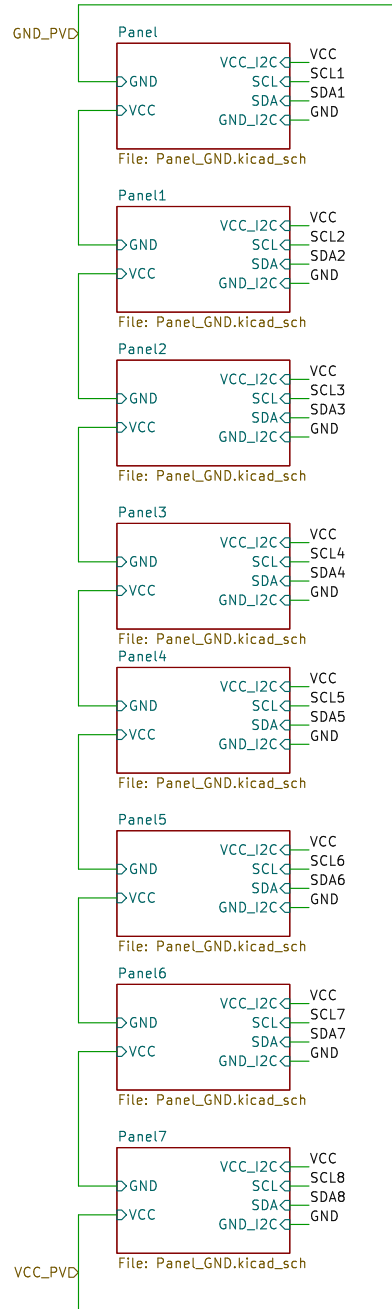
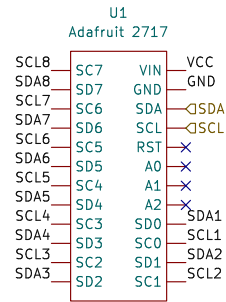
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VCC_MCUD VCC
GND_MCUD GND Added to add more flexibility



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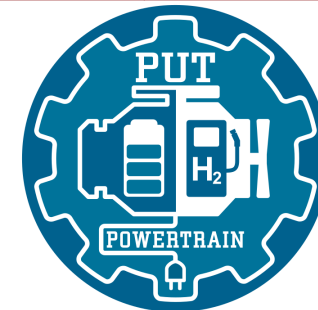
Sheet: /Panels/
File: panels.kicad_sch

Title: Panels schematic

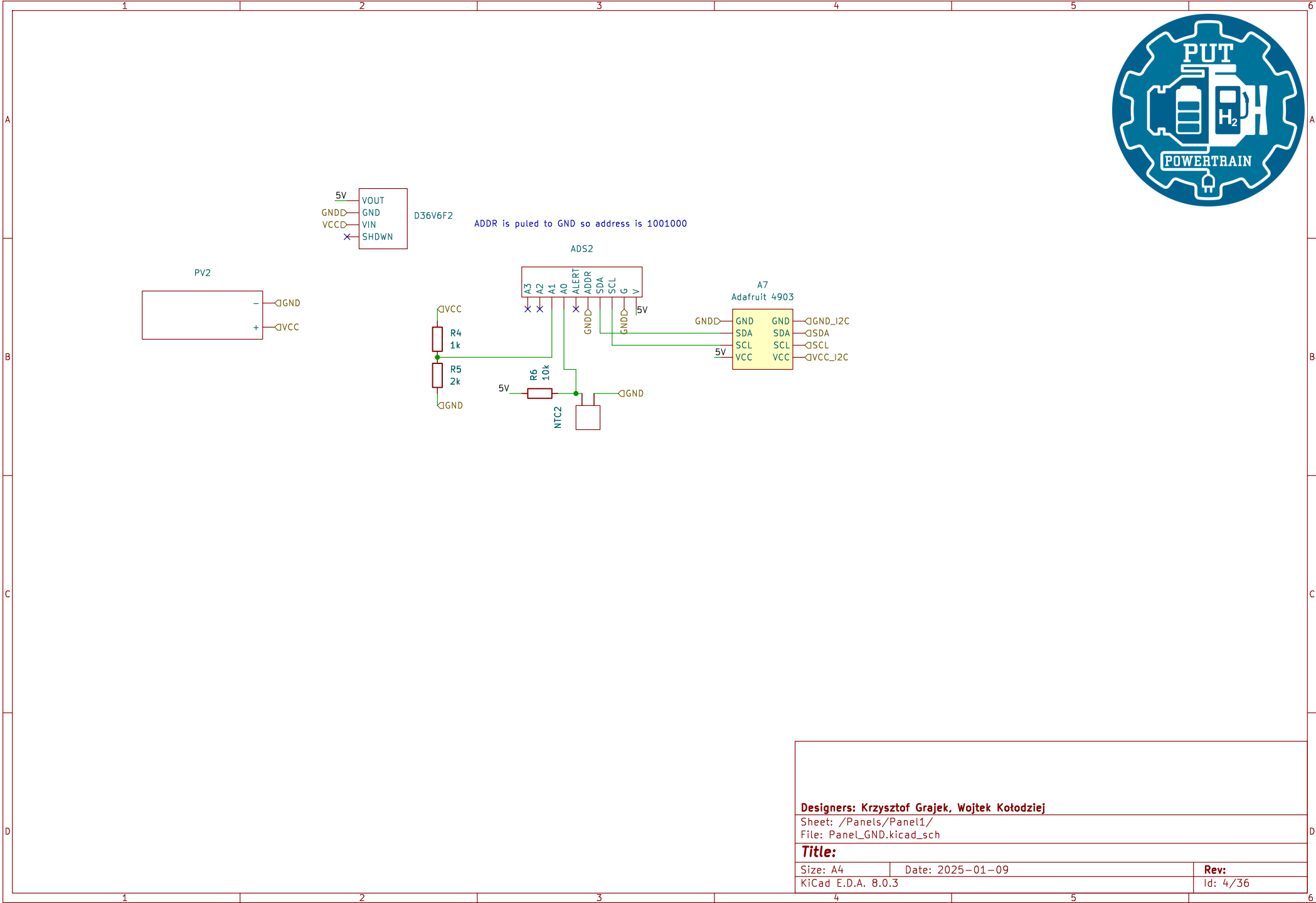
Size: A4 Date: 2025-01-09

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Sheet: /Panels/Panel1/
File: Panel_GND.kicad_sch

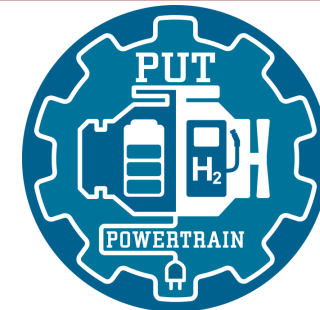
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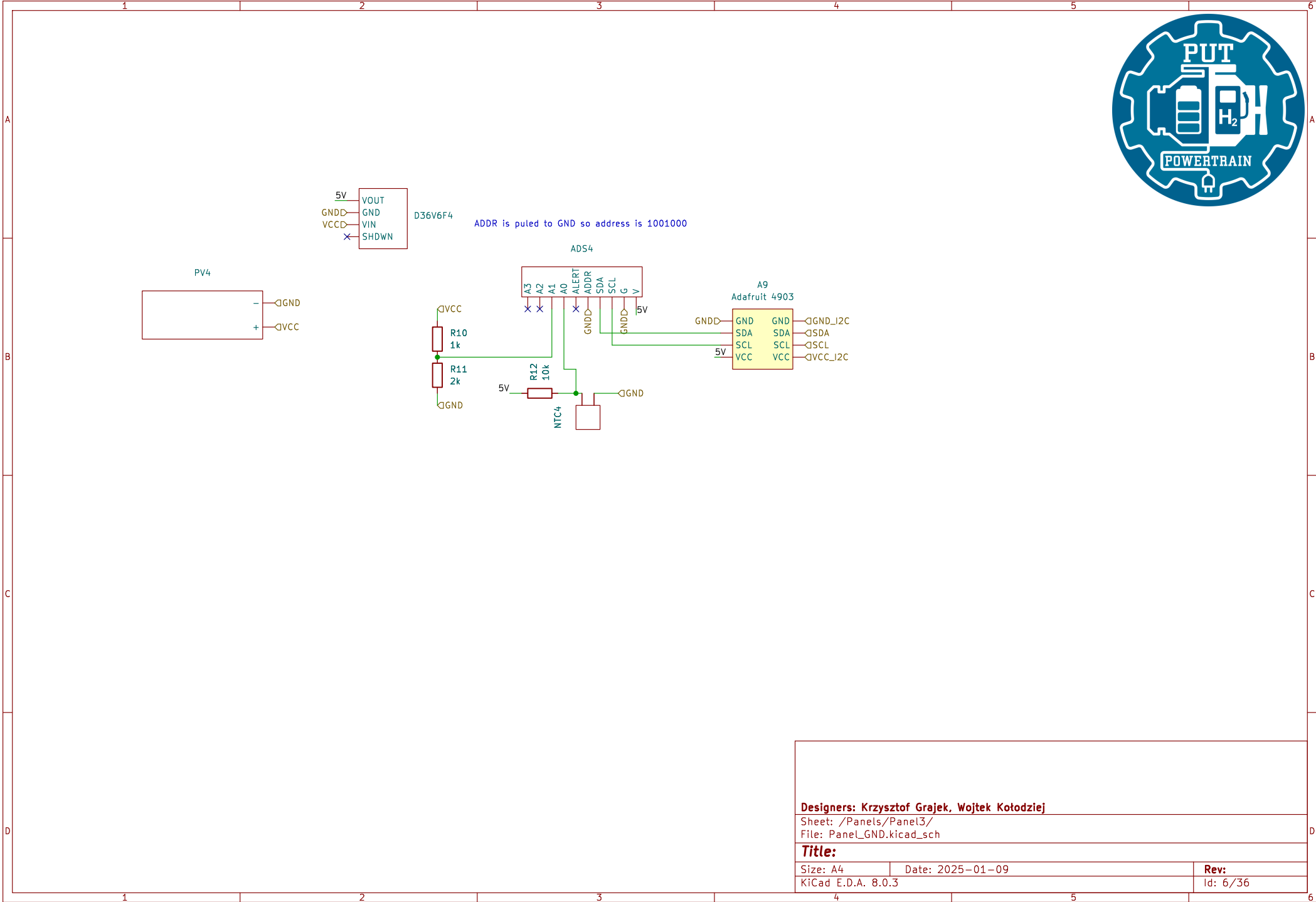
4	5	6
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[illegible]



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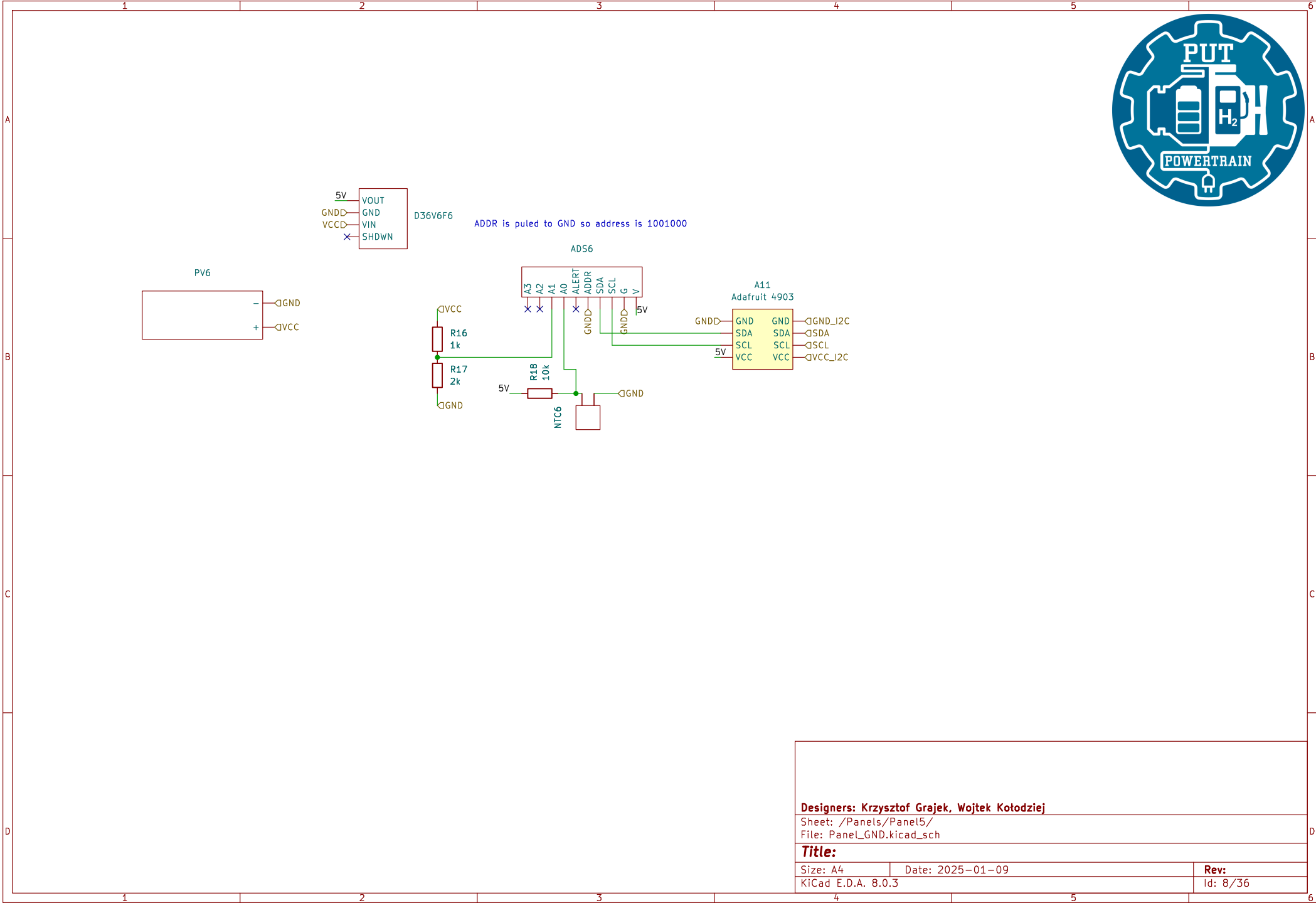
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Size: A4	Date: 2025-01-09	Rev:
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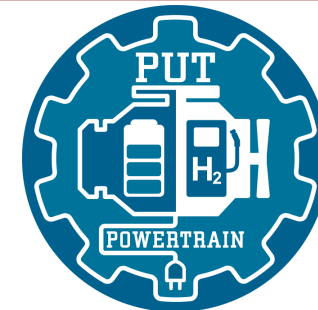
KiCad E.D.A. 8.0.3	Id: 6/36
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3 Id: 6/36

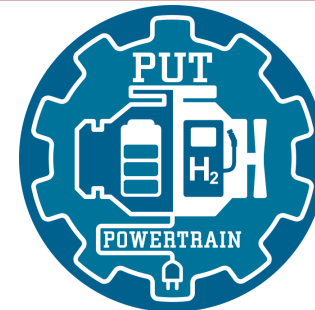
Id: 6/36



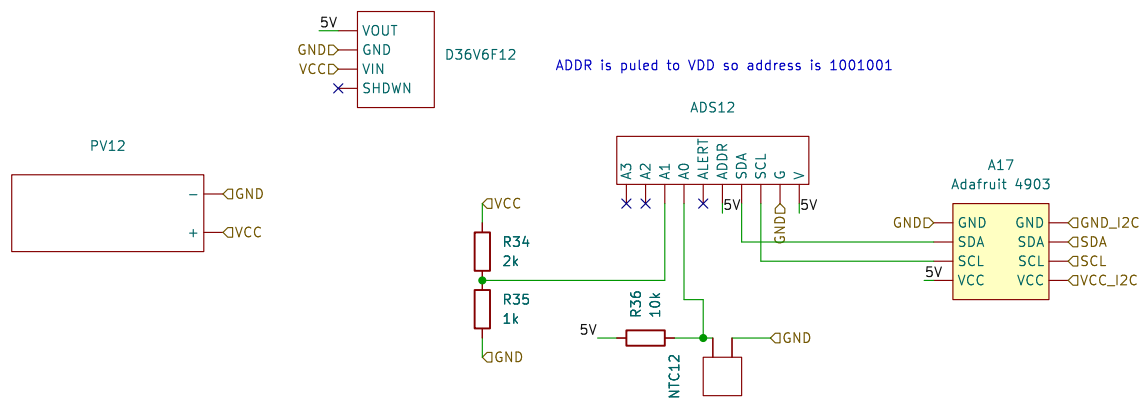
Rev:
Id: 8/36



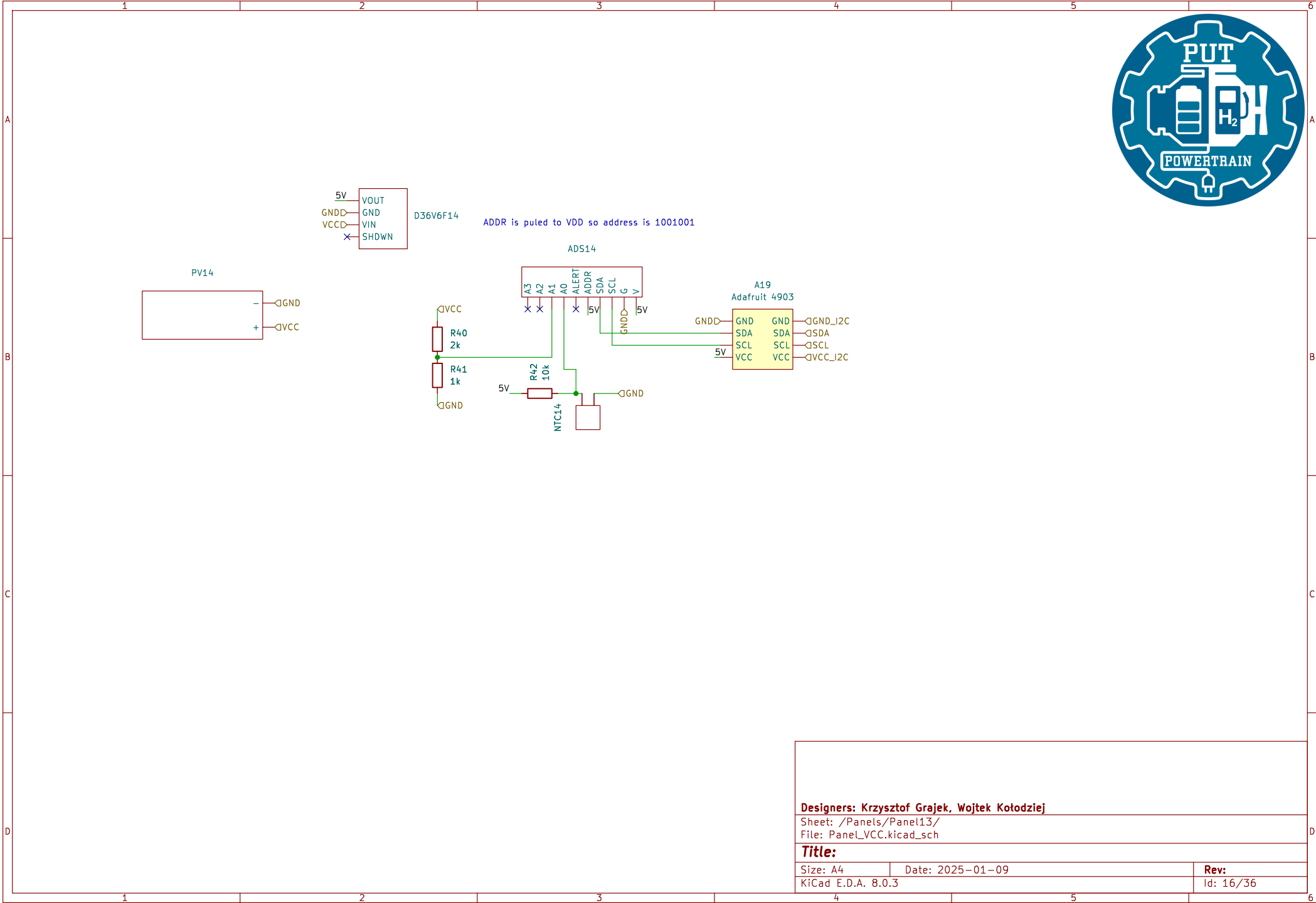
Rev:
Id: 9/36



Id: 13/36



Id: 14/36

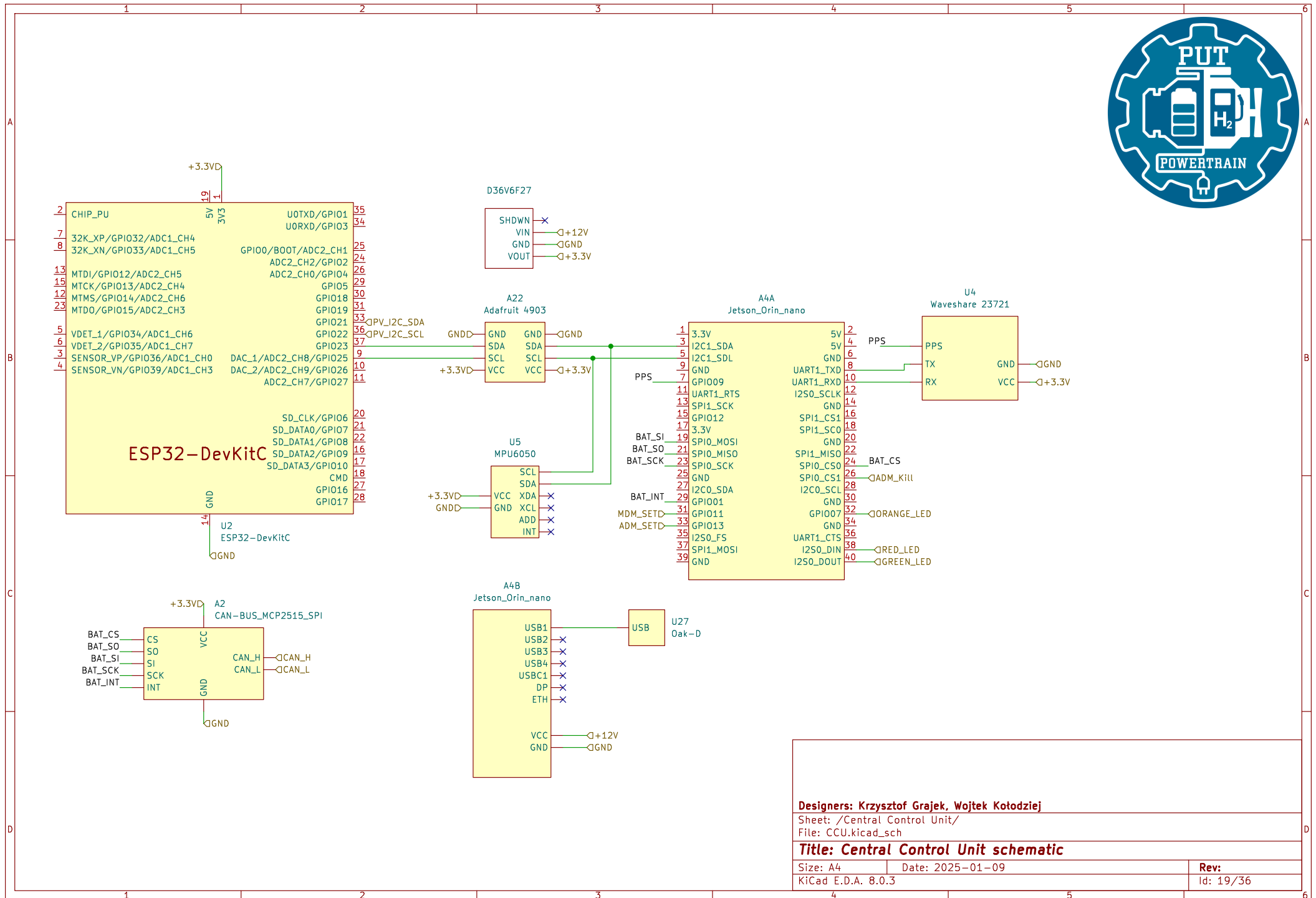
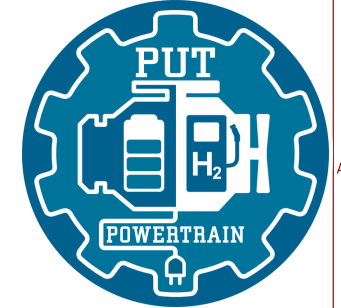


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File: Panel_VCC.kicad_sch

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Central Control Unit/

File: CCU.kicad_sch

Title: Central Control Unit schematic

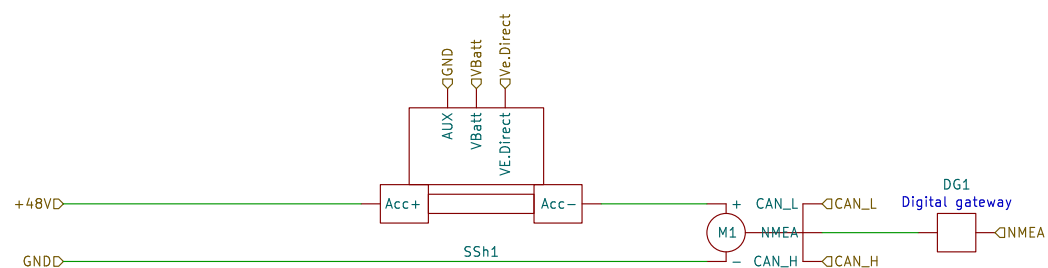
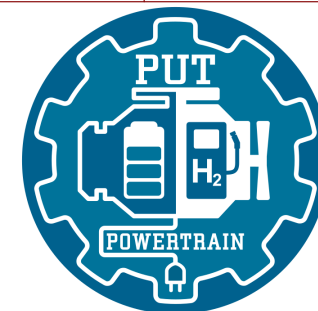
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Date: 2025-01-09

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Main motor/
File: Main_Motor.kicad_sch

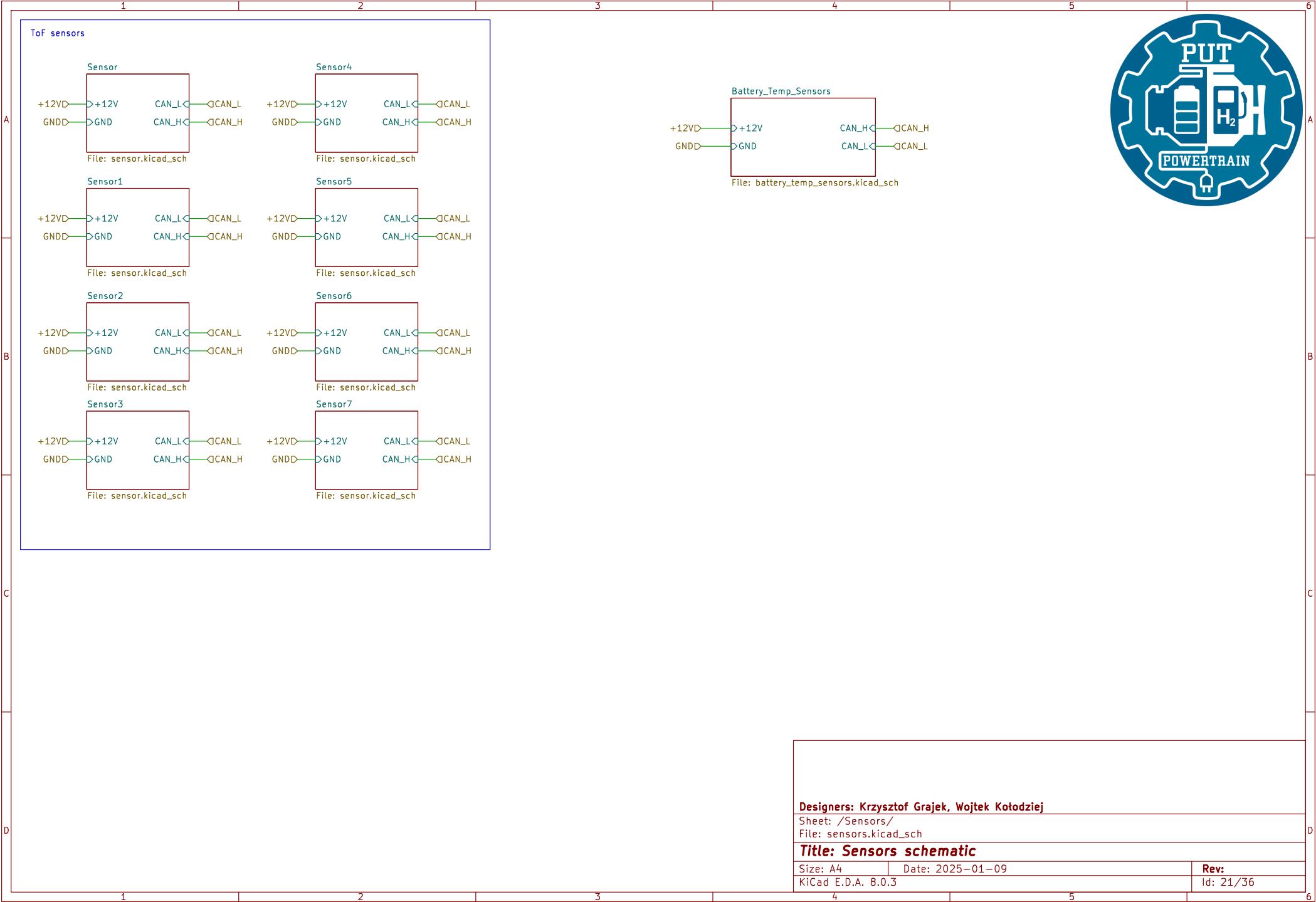
Title: Main motor schematic

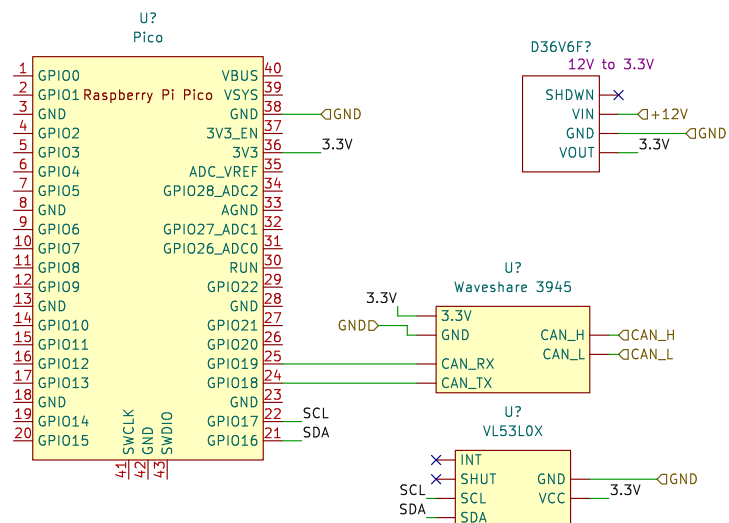
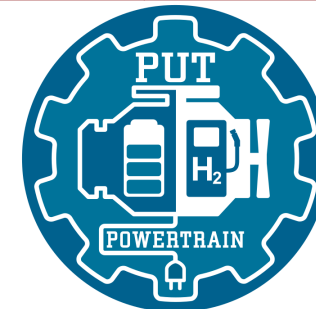
Size: A4 Date: 2025-01-09

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor/
File: sensor.kicad_sch

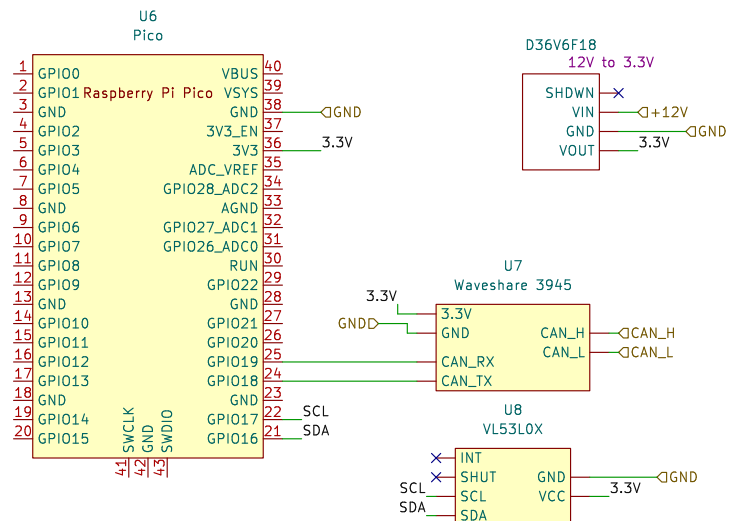
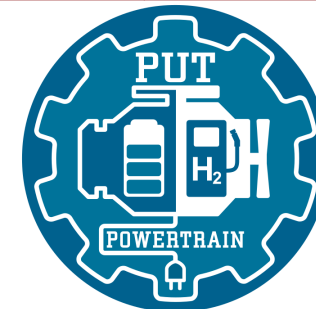
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Size: A4 Date: 2025-01-09

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor1/
File: sensor.kicad_sch

Title:

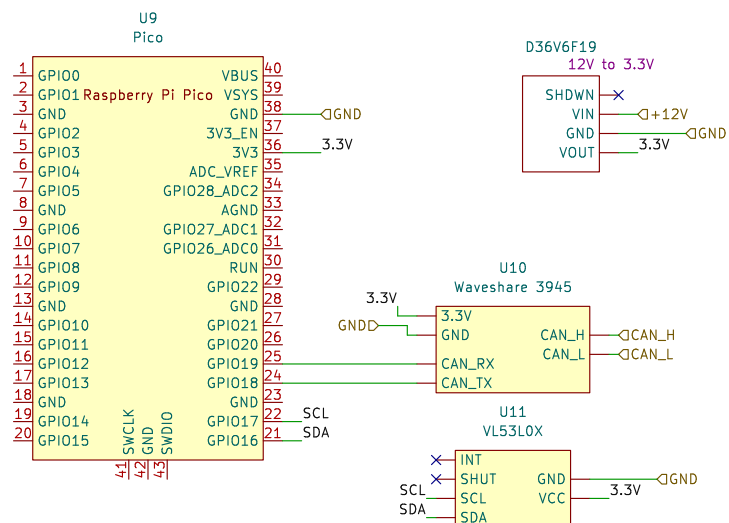
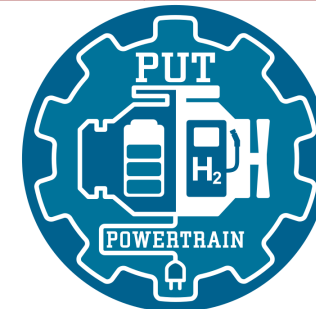
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Date: 2025-01-09

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor2/
File: sensor.kicad_sch

Title:

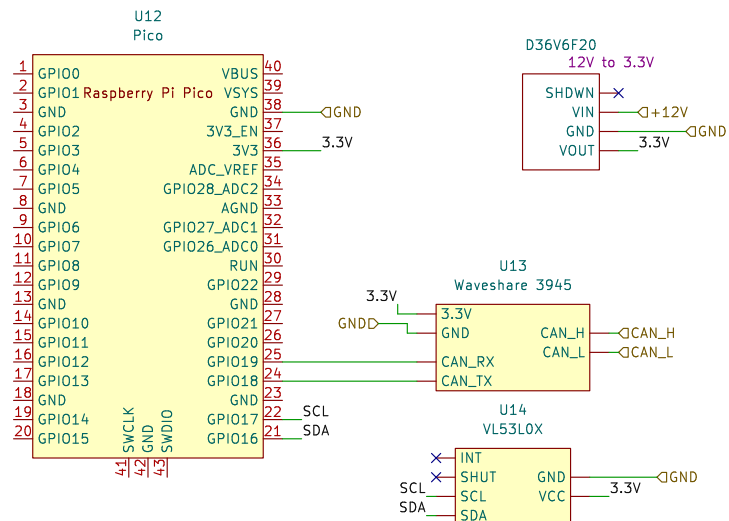
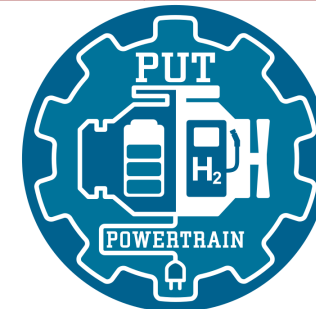
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Date: 2025-01-09

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor3/
File: sensor.kicad_sch

Title:

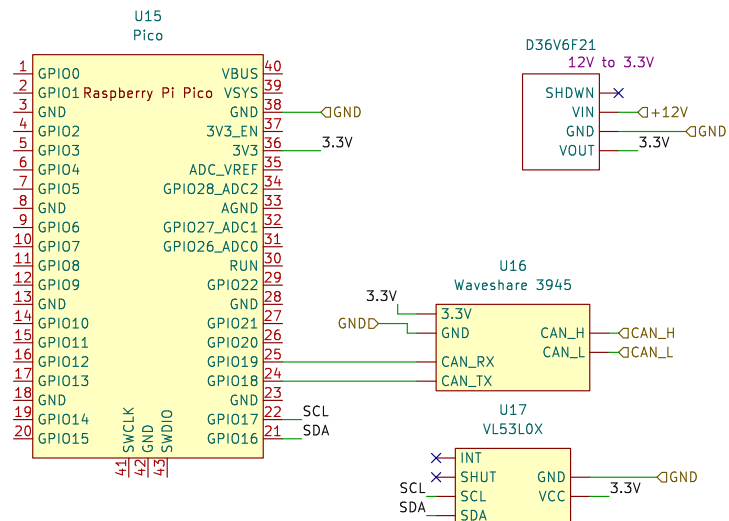
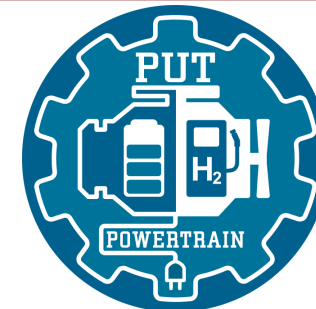
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Date: 2025-01-09

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KiCad E.D.A. 8.0.3

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor4/
File: sensor.kicad_sch

Title:

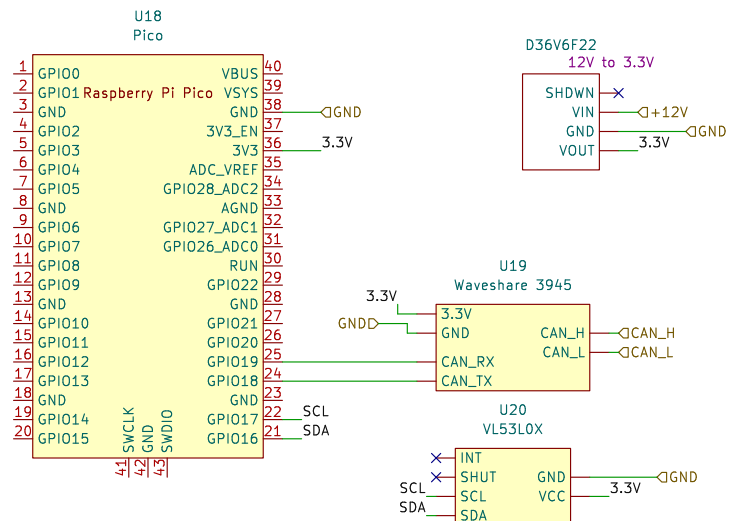
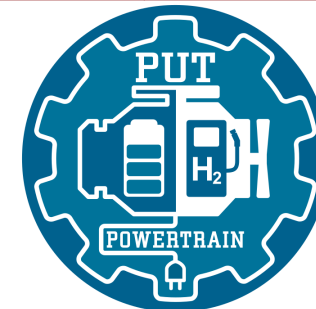
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Date: 2025-01-09

Rev:

KiCad E.D.A. 8.0.3

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor5/
File: sensor.kicad_sch

Title:

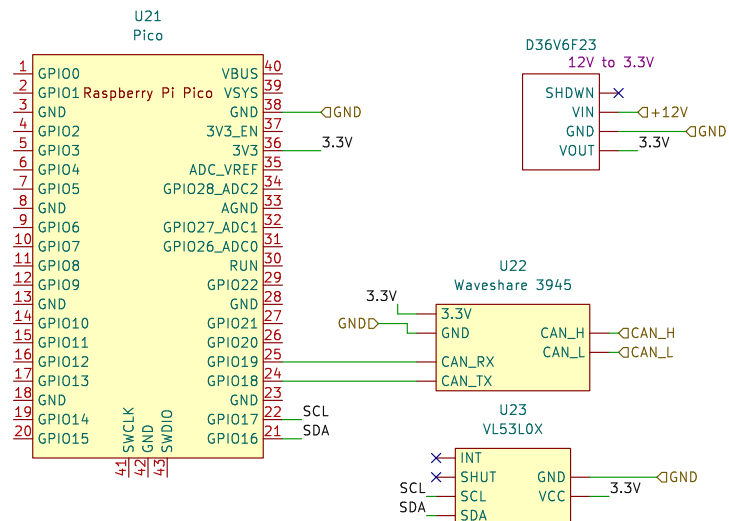
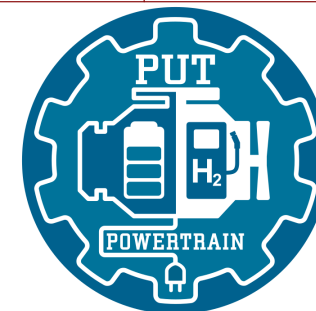
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Date: 2025-01-09

Rev:

KiCad E.D.A. 8.0.3

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor6/
File: sensor.kicad_sch

Title:

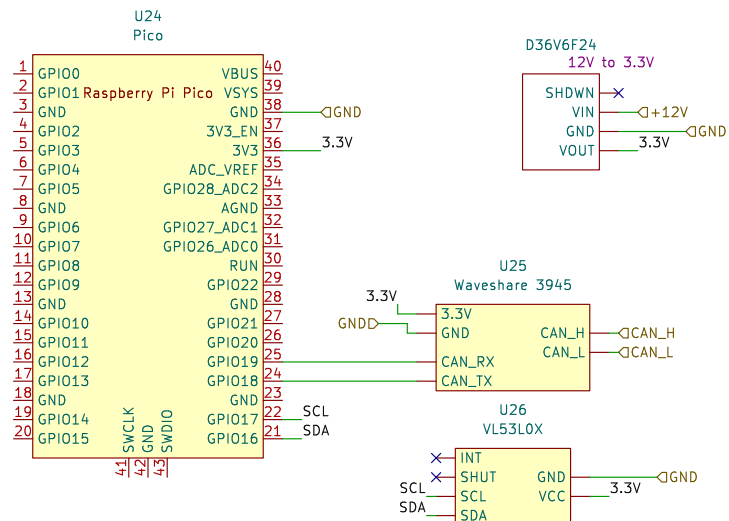
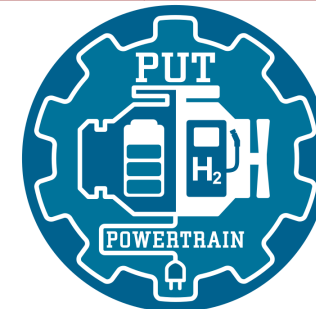
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Date: 2025-01-09

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KiCad E.D.A. 8.0.3

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Sensor7/
File: sensor.kicad_sch

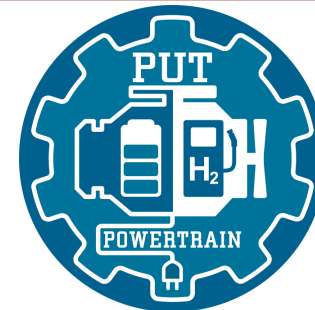
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Size: A4 Date: 2025-01-09

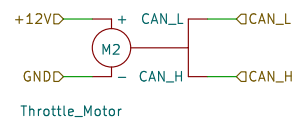
KiCad E.D.A. 8.0.3

Rev:

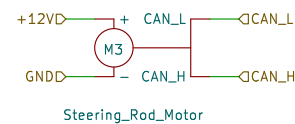
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Adjusts the throttle mechanism to regulate the main motor speed



Controls the direction by adjusting the steering rod mechanism



Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Steering throttle actuators/
File: steering_throttle_actuators.kicad_sch

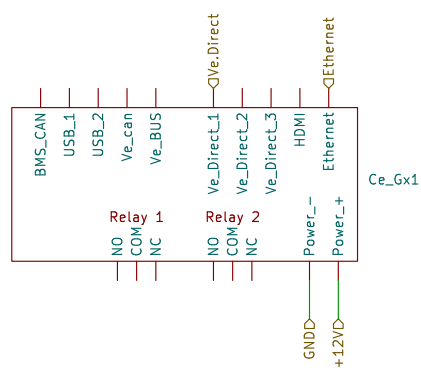
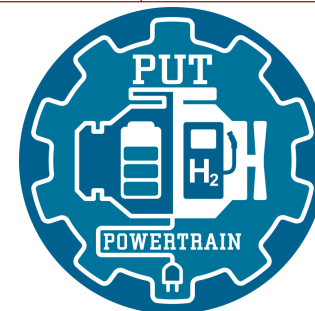
Title: *Steering throttle actuators schematic*

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

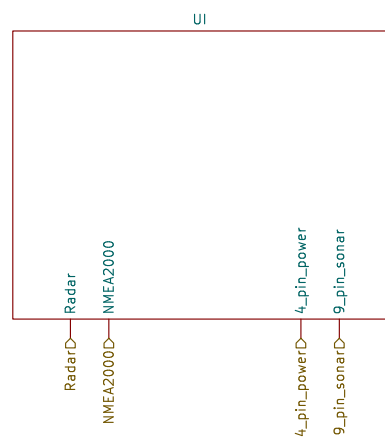
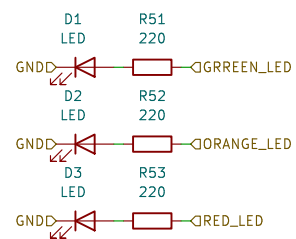
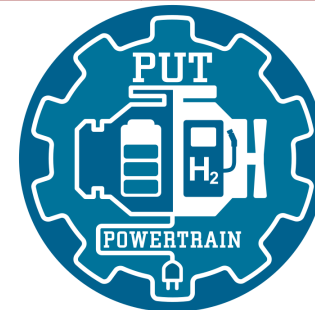
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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /User Interface/
File: User_Interface.kicad_sch

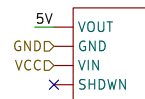
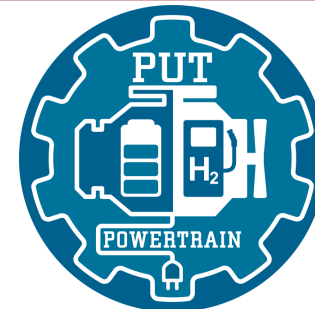
Title: UI schematic

Size: A4 Date: 2025-01-09

KiCad E.D.A. 8.0.3

Rev:

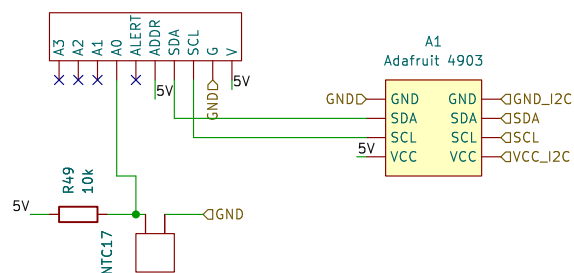
Id: 32/36



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:

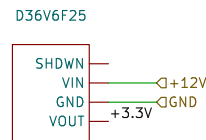
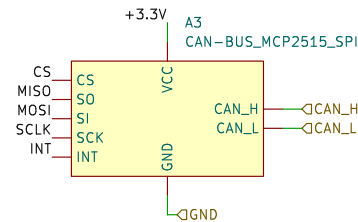
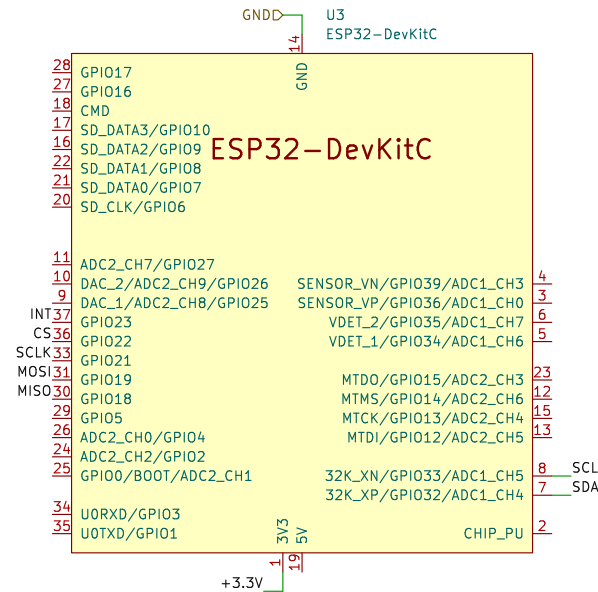
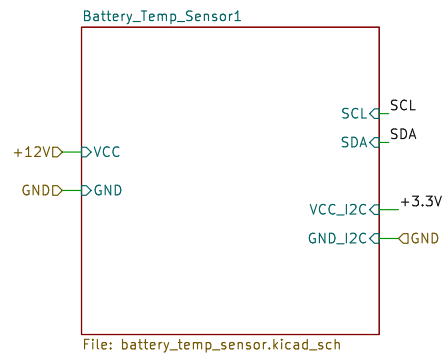
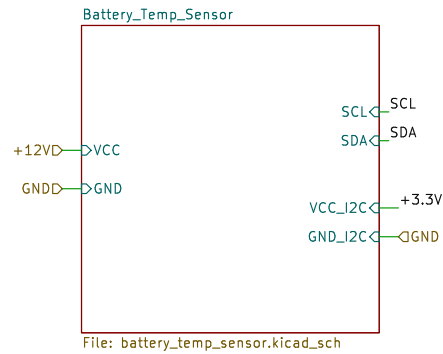
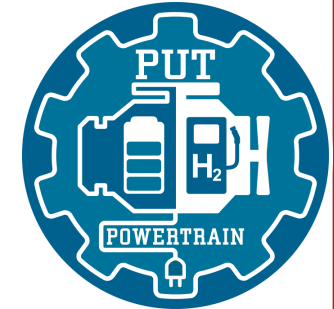
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Date: 2025-01-09

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Sensors/Battery_Temp_Sensors/
File: battery_temp_sensors.kicad_sch

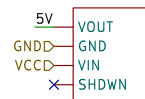
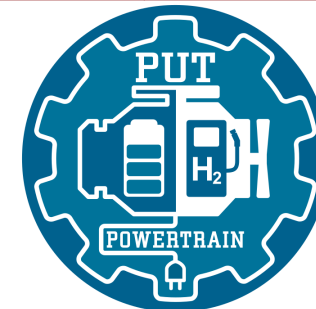
Title:

Size: A4 Date: 2025-01-09

KiCad E.D.A. 8.0.3

Rev:

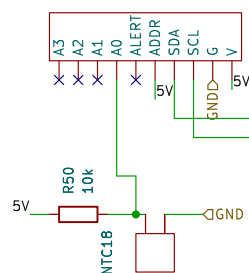
Id: 34/36



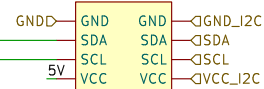
D36V6F26

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:

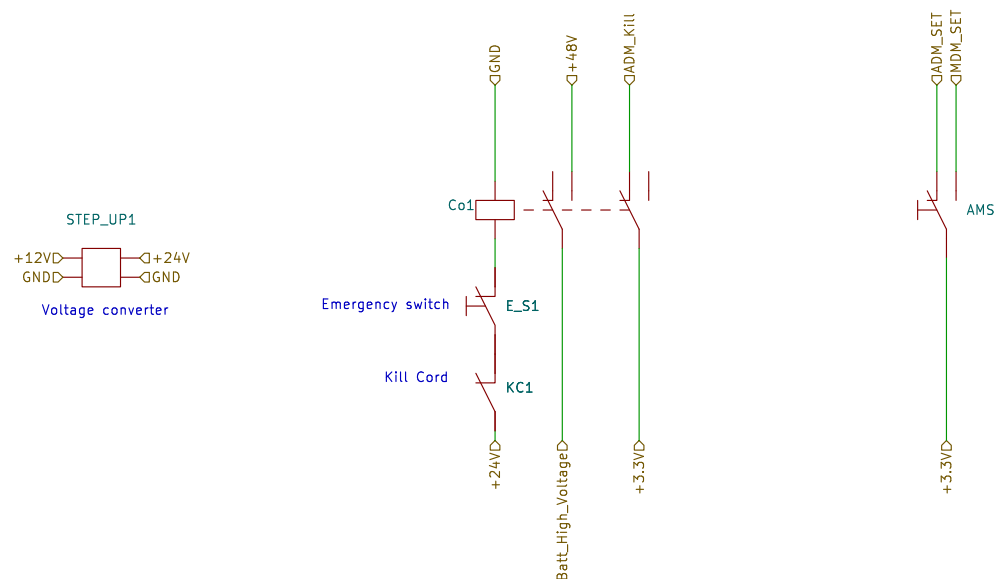
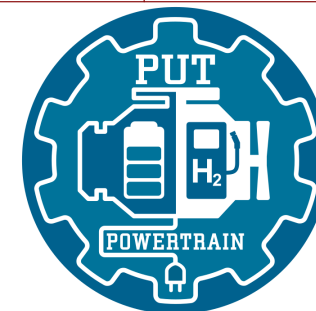
Size: A4

Date: 2025-01-09

Rev:

KiCad E.D.A. 8.0.3

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Designers: Krzysztof Grajek, Wojtek Kotodziej

Sheet: /Switching system/

File: switching_system.kicad_sch

Title:

Size: A4

Date: 2025-01-09

Rev:

KiCad E.D.A. 8.0.3

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