

**SpaceTeam Aachen**

Sheet: /Solenoid Control 1/

File: solenoid\_control.kicad\_sch

**Title: Solenoid Control**

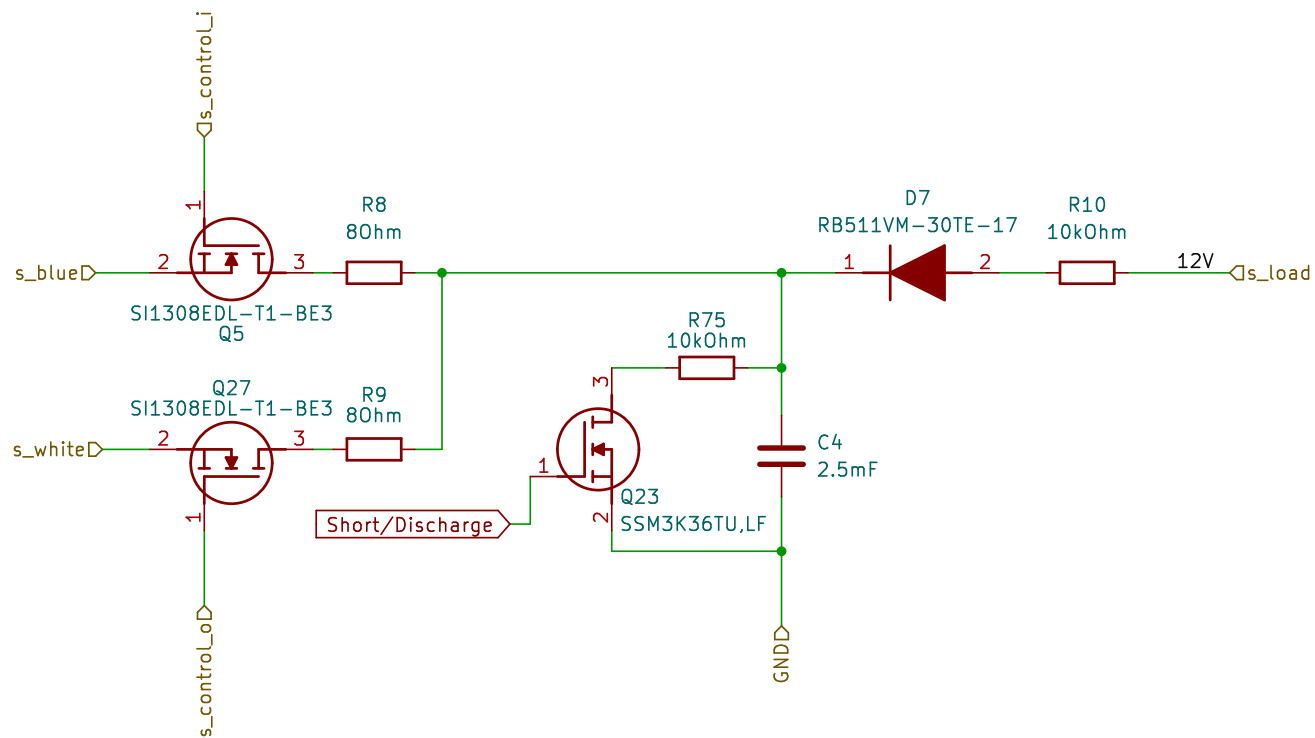
Size: A5

Date:

**Rev:**

KiCad E.D.A. kicad 7.0.8

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Sheet: /Solenoid Control 2/

File: solenoid\_control.kicad\_sch

**Title: Solenoid Control**

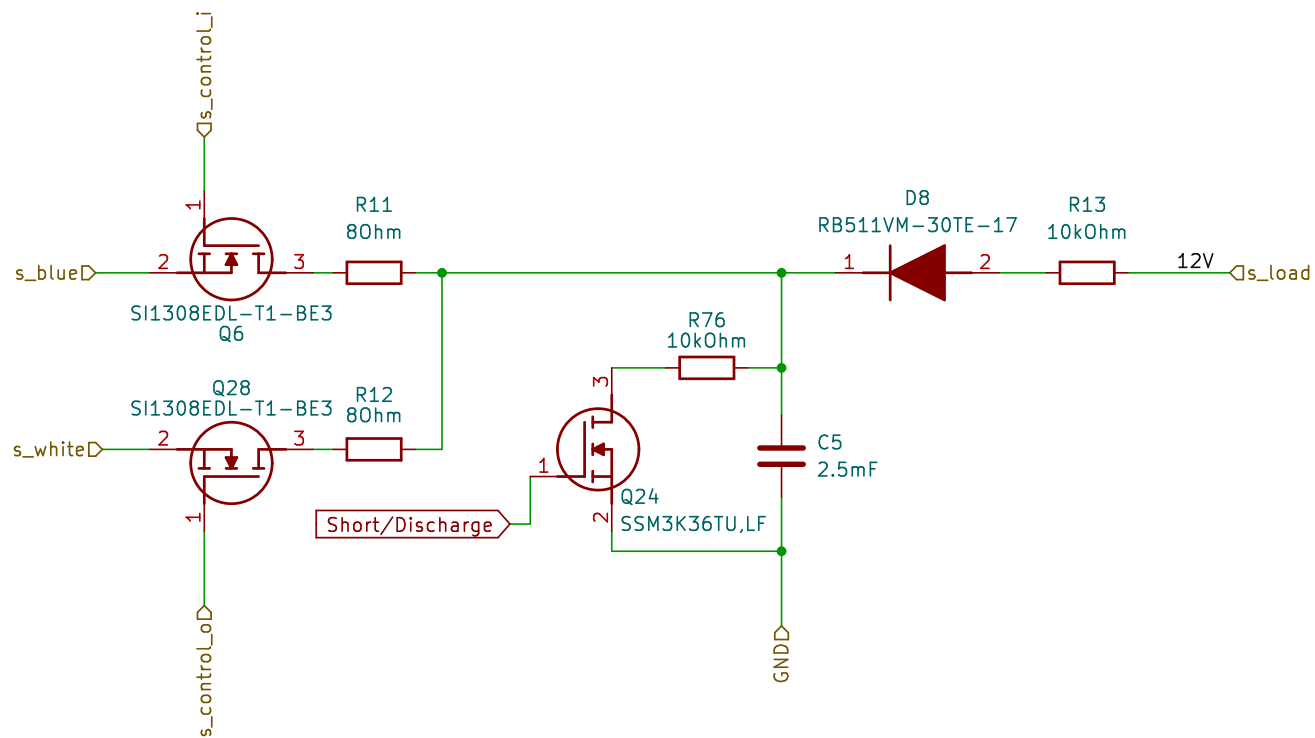
Size: A5

Date:

**Rev:**

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Id: 3/24



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Sheet: /Solenoid Control 3/

File: solenoid\_control.kicad\_sch

**Title: Solenoid Control**

Size: A5

Date:

**Rev:**

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TODO: VDD\_TC according to typ and max ratings (datasheet)

R17



Command Byte: 1100 001x [GND]



File: Payload\_TC\_MC.kicad\_sch

R19



Command Byte: 1100 010x [GND]



File: Payload\_TC\_MC.kicad\_sch

R21



Command Byte: 1100 100x [GND]



File: Payload\_TC\_MC.kicad\_sch

R23

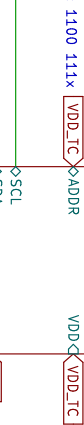


Command Byte: 1100 110x [GND]



File: Payload\_TC\_MC.kicad\_sch

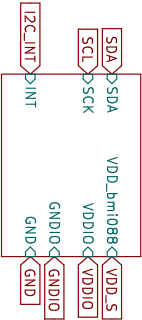
R24



Command Byte: 1100 111x [VDD\_TC]

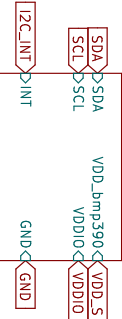


Bosch\_BMI088

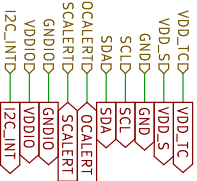


File: payload\_bmi088.kicad\_sch

Bosch\_BMP390



File: payload\_bmp390.kicad\_sch

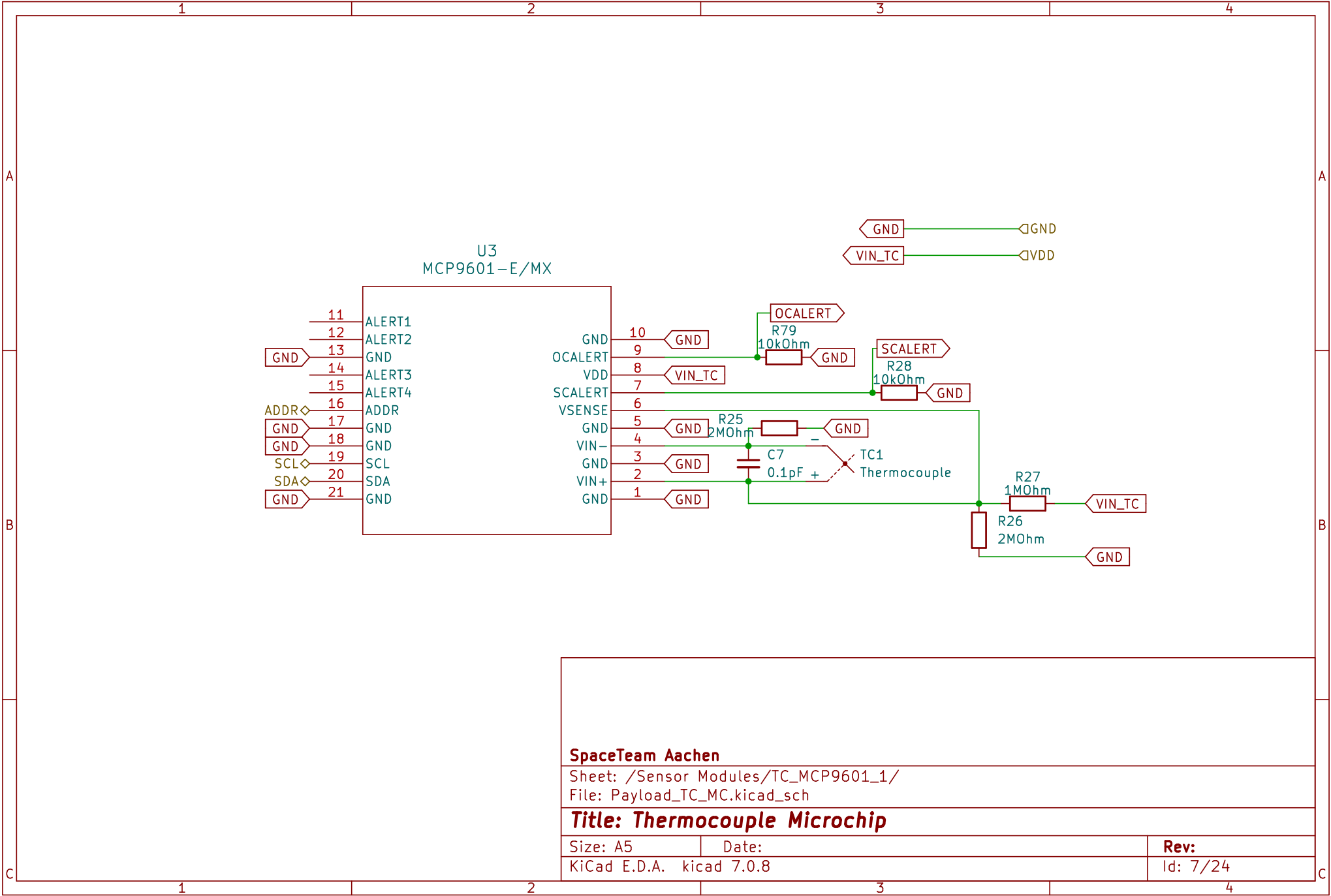


Sheet: /Sensor Modules/  
File: Payload\_Sensors.kicad\_sch

Title: Sensor Modules

Size: A4  
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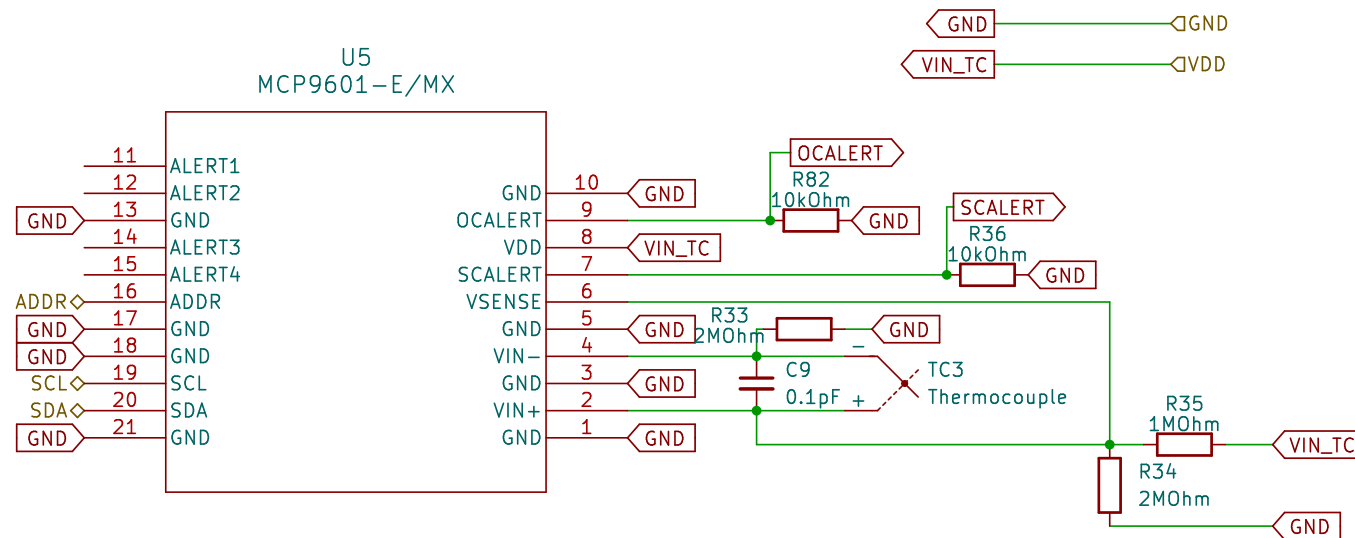
Sheet: /Sensor Modules/TC\_MCP9601\_1/  
File: Payload\_TC\_MC.kicad\_sch

**Title: Thermocouple Microchip**

Size: A5	Date:	Rev:
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Sheet: /Sensor Modules/TC\_MCP9601\_3/  
File: Payload\_TC\_MC.kicad\_sch

## Title: Thermocouple Microchip

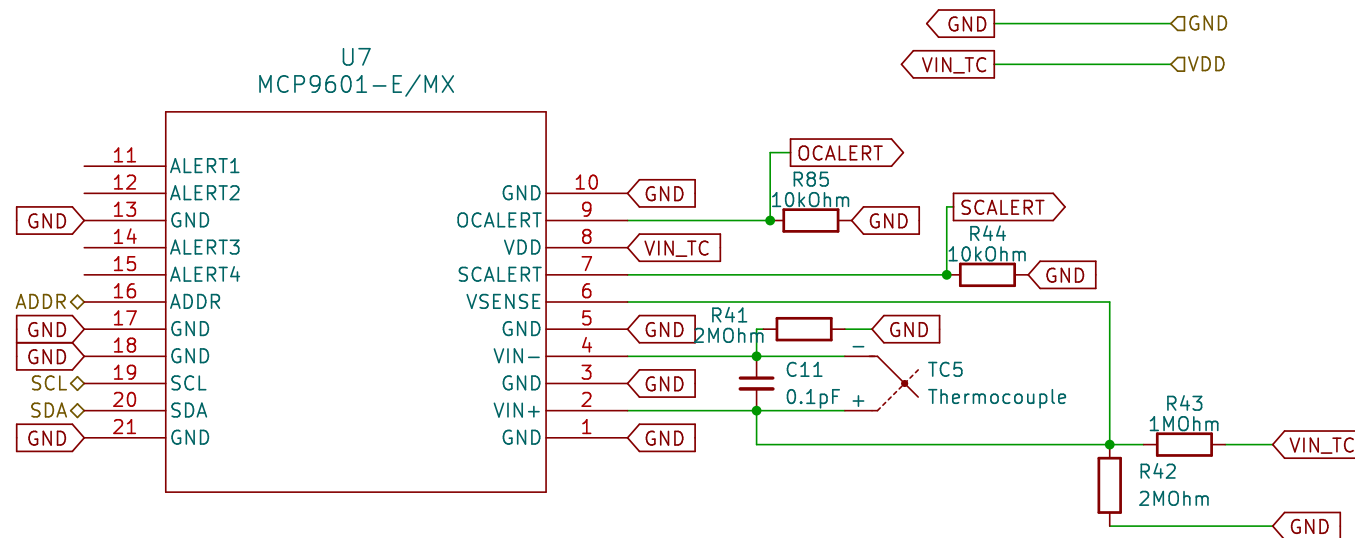
Size: A5  
KiCad E.D.A. kicad 7.0.8

Date:

Rev:

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Sheet: /Sensor Modules/TC\_MCP9601\_5/  
File: Payload\_TC\_MC.kicad\_sch

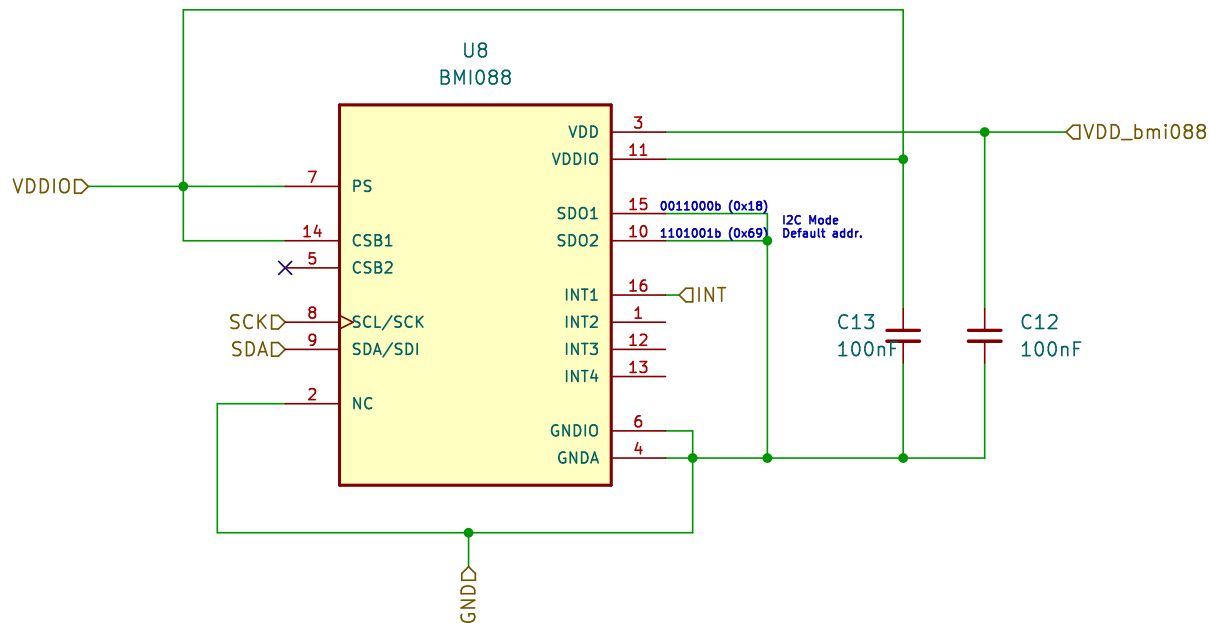
## Title: Thermocouple Microchip

Size: A5  
KiCad E.D.A. kicad 7.0.8

Date:

Rev:

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Sheet: /Sensor Modules/Bosch\_BMI088/  
File: payload\_bmi088.kicad\_sch

**Title:**

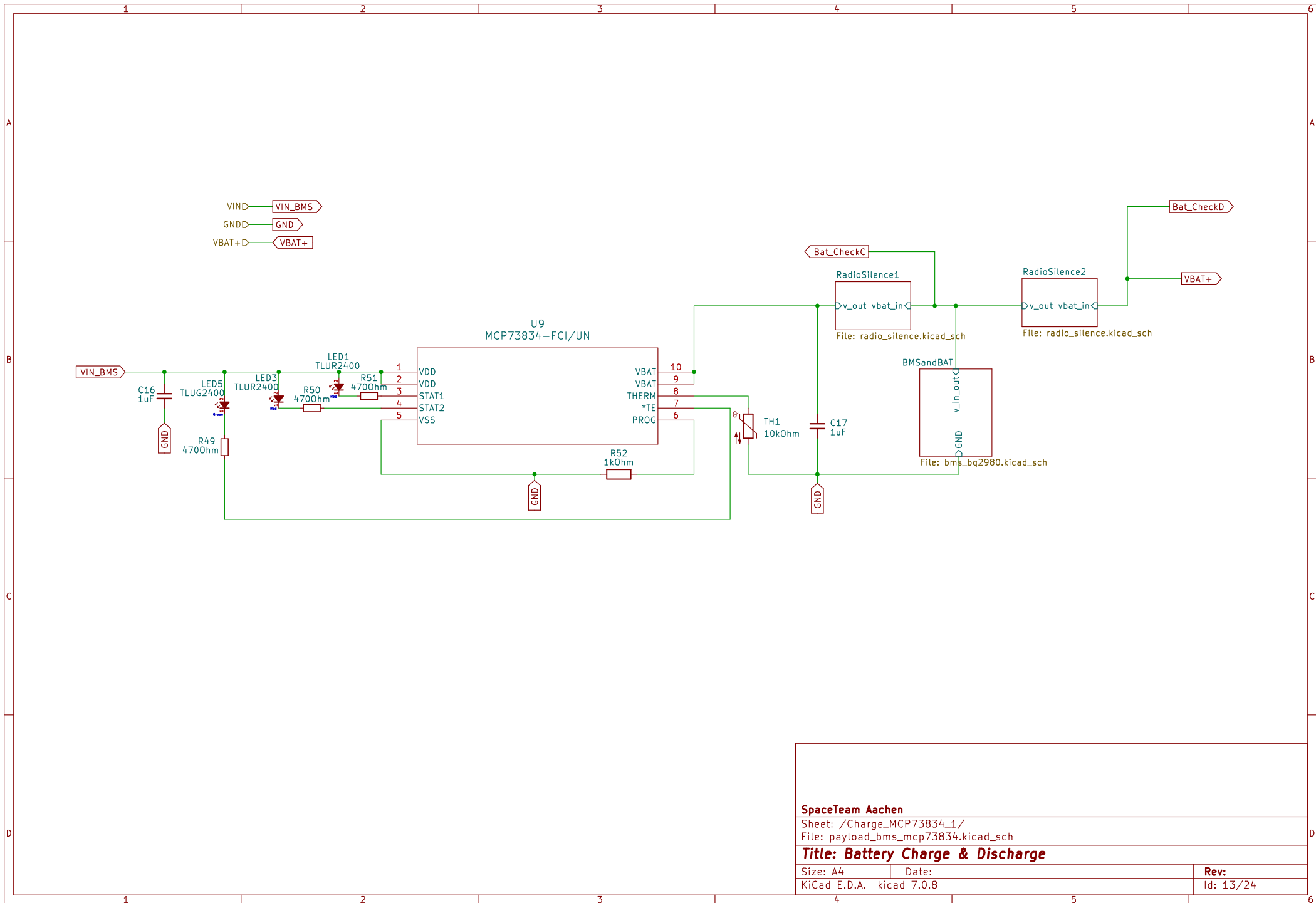
Size: A5

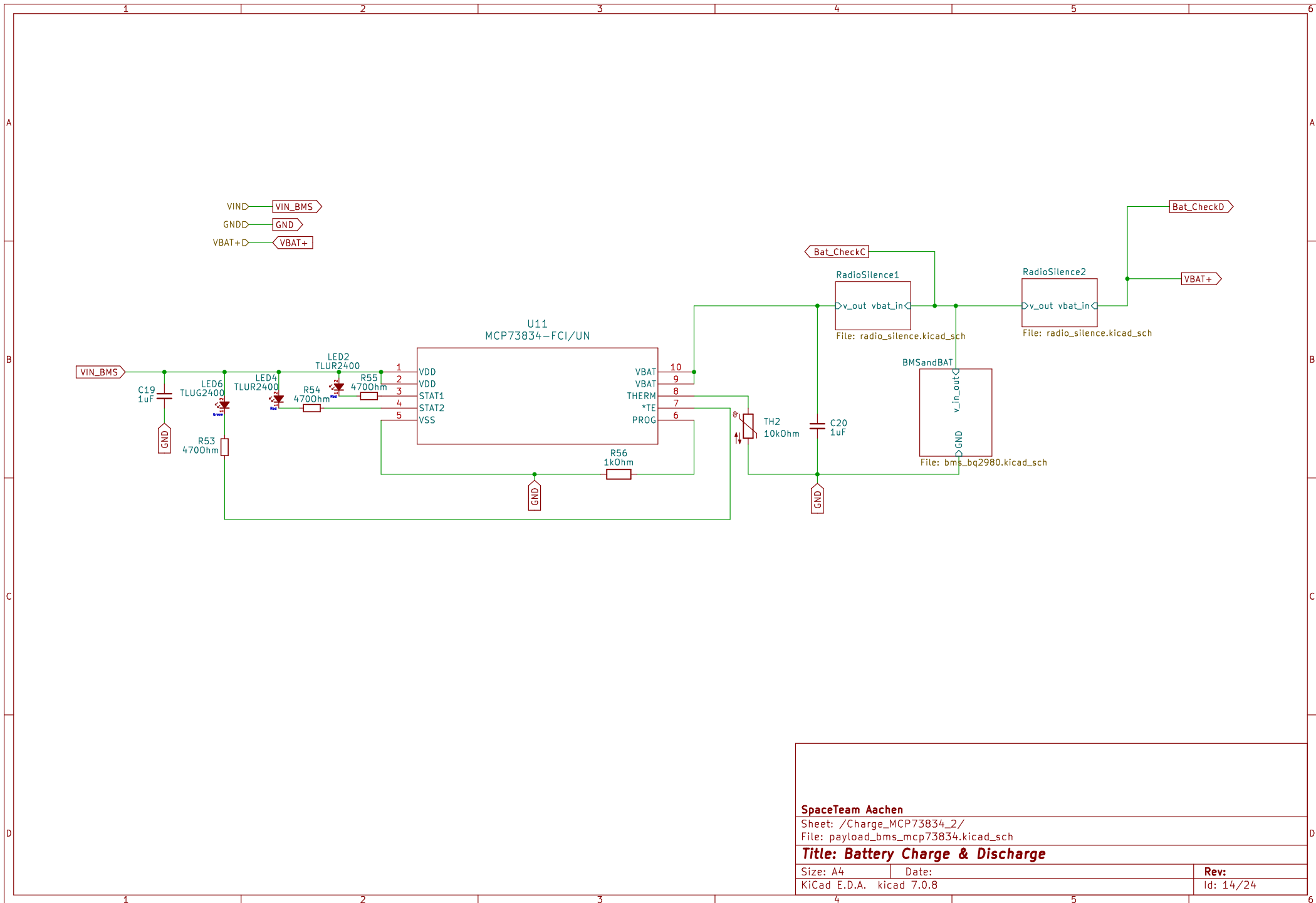
Date:

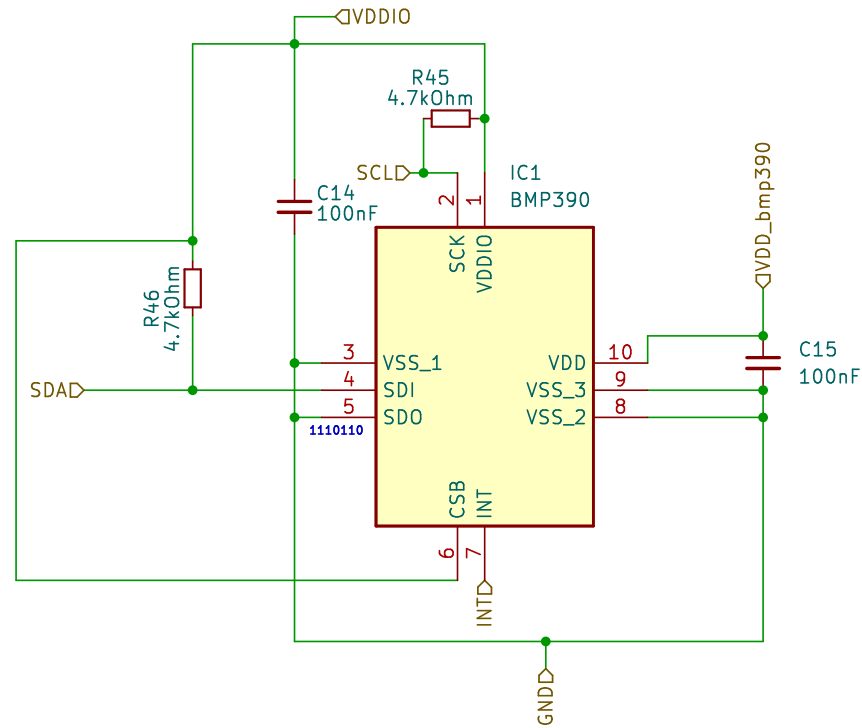
**Rev:**

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Sheet: /Sensor Modules/Bosch\_BMP390/  
File: payload\_bmp390.kicad\_sch

**Title:**

Size: A5

Date:

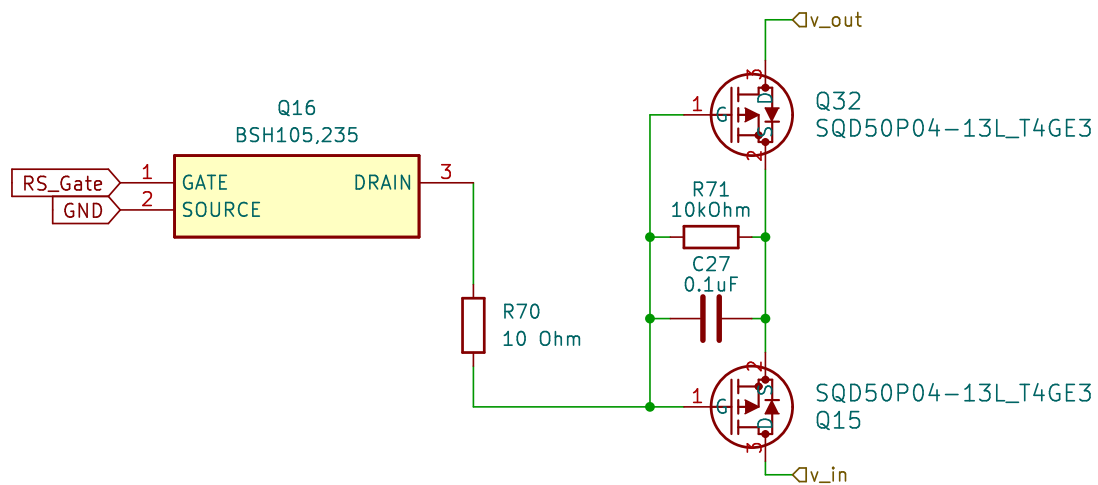
**Rev:**

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Sheet: /Charge\_MCP73834\_1/RadioSilence2/

File: radio\_silence.kicad\_sch

**Title: Radio Silence Switch**

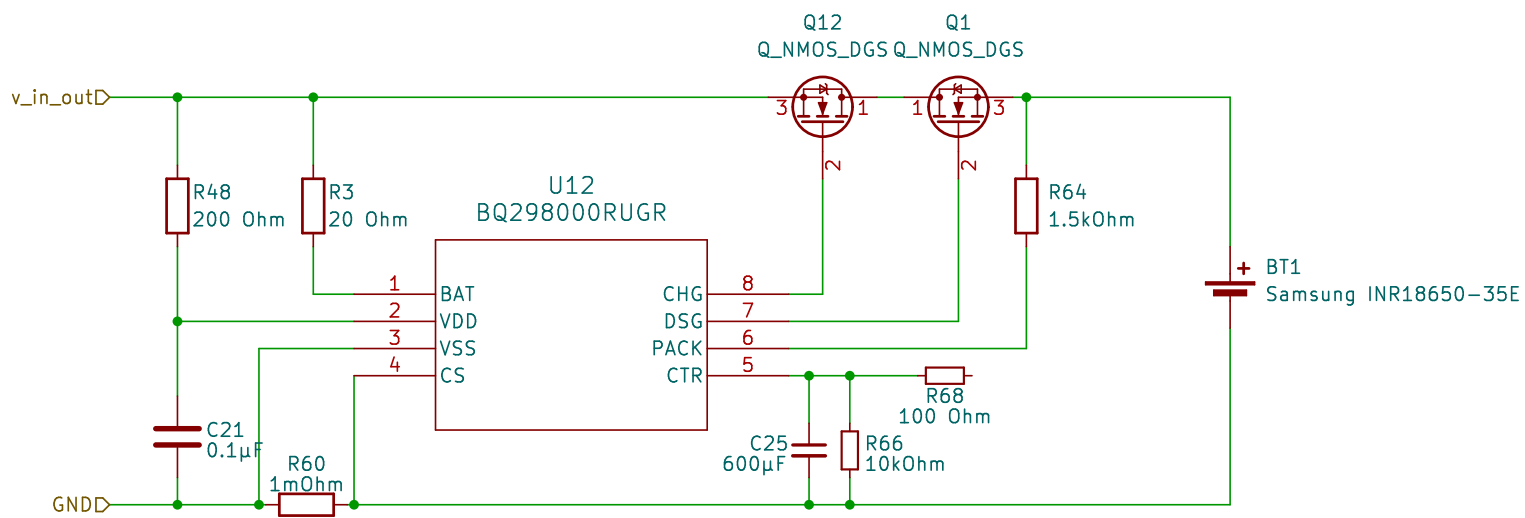
Size: A5

Date:

Rev:

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Sheet: /Charge\_MCP73834\_1/BMSandBAT/  
File: bms\_bq2980.kicad\_sch

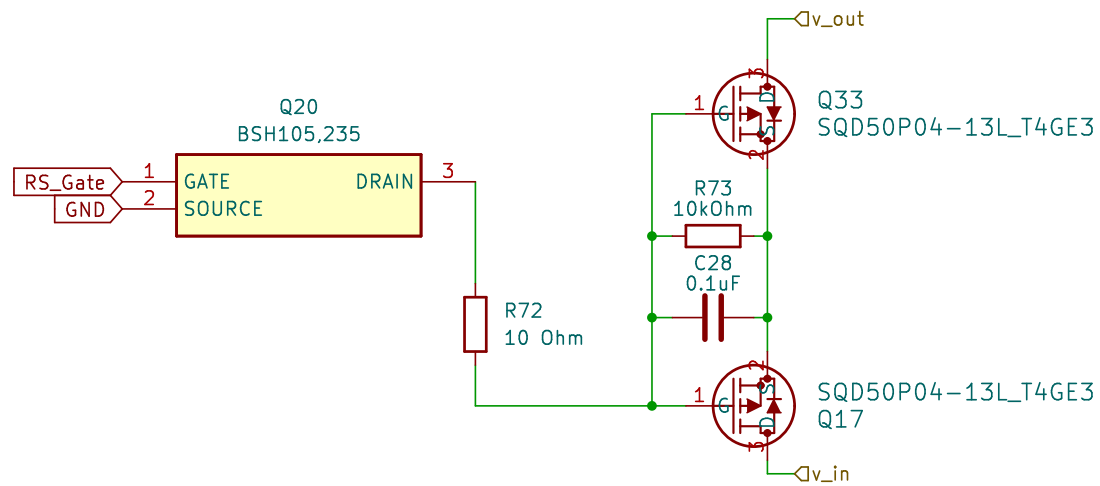
## Title: Battery and BMS

Size: A5  
KiCad E.D.A. kicad 7.0.8

Date:

Rev:

Id: 18/24



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Sheet: /Charge\_MCP73834\_2/RadioSilence2/

File: radio\_silence.kicad\_sch

**Title: Radio Silence Switch**

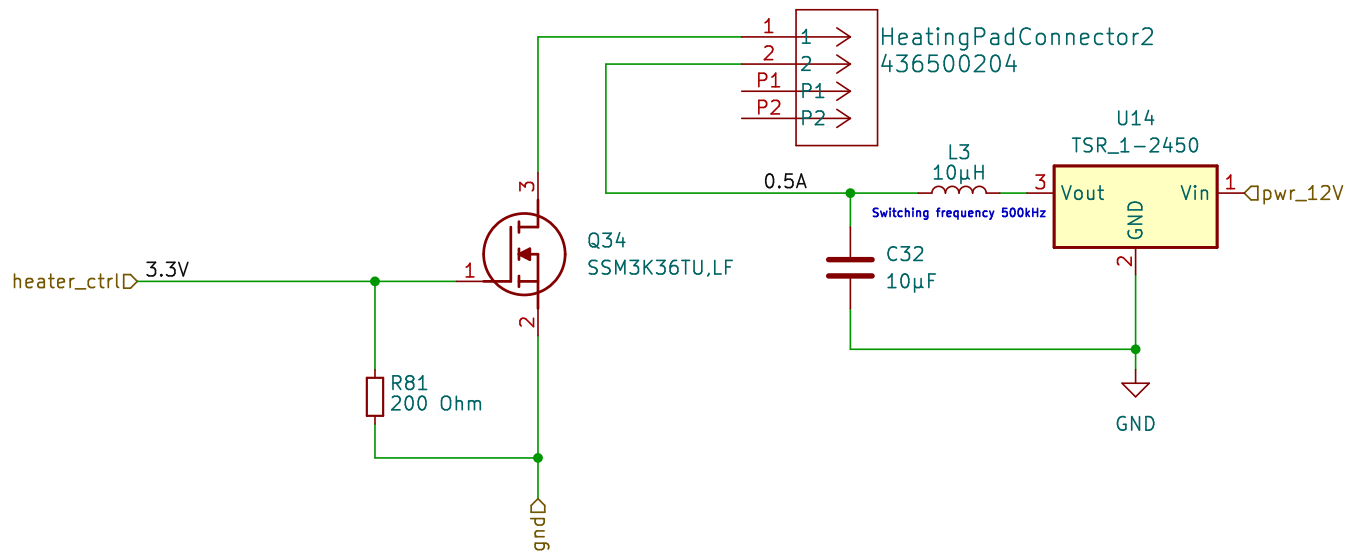
Size: A5

Date:

Rev:

KiCad E.D.A. kicad 7.0.8

Id: 19/24



**SpaceTeam Aachen**

Sheet: /Heating Pad Control 2/

File: heating\_pad.kicad\_sch

**Title: Heating Pad and Control**

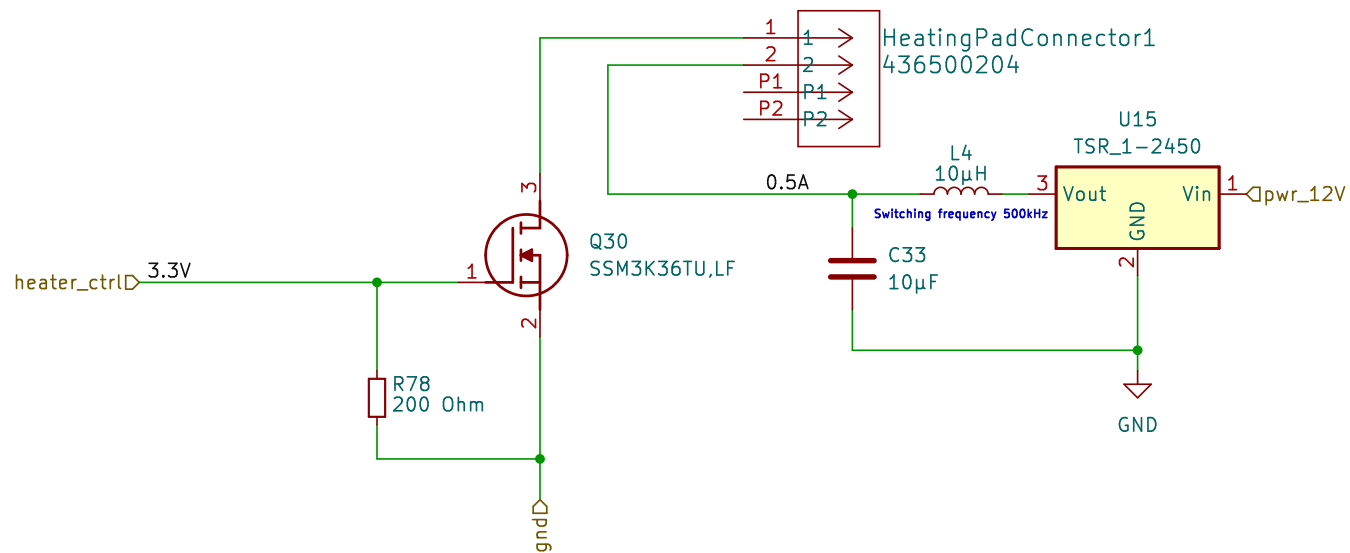
Size: A5

Date:

**Rev:**

KiCad E.D.A. kicad 7.0.8

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**SpaceTeam Aachen**

Sheet: /Heating Pad Control 1/

File: heating\_pad.kicad\_sch

**Title: Heating Pad and Control**

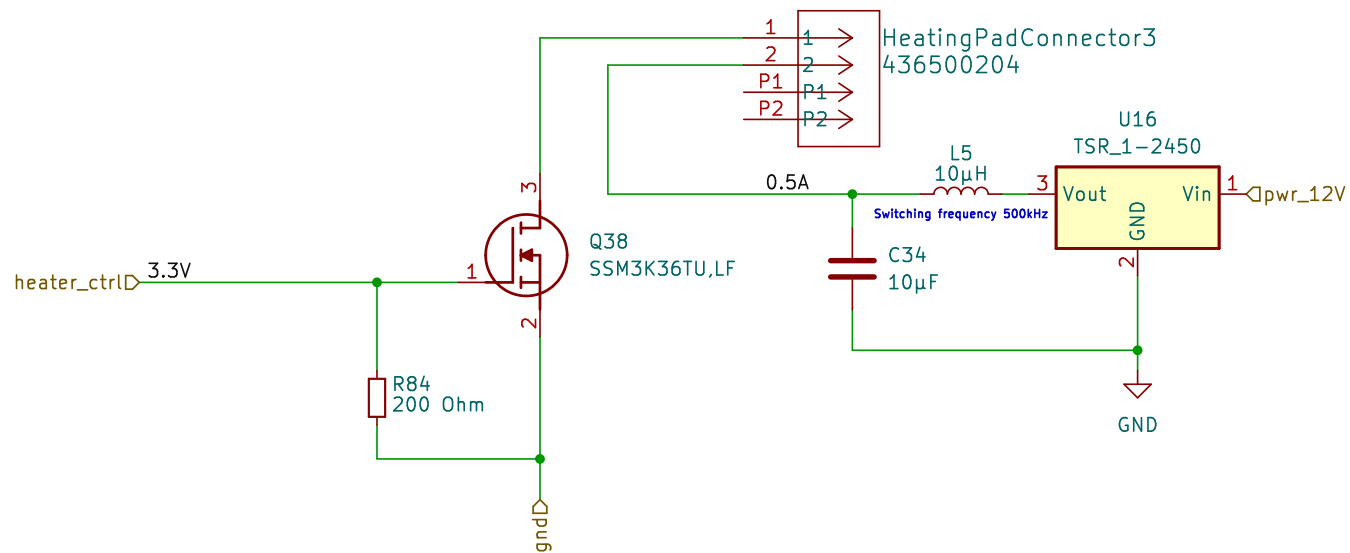
Size: A5

Date:

**Rev:**

KiCad E.D.A. kicad 7.0.8

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**SpaceTeam Aachen**

Sheet: /Heating Pad Control 3/

File: heating\_pad.kicad\_sch

**Title: Heating Pad and Control**

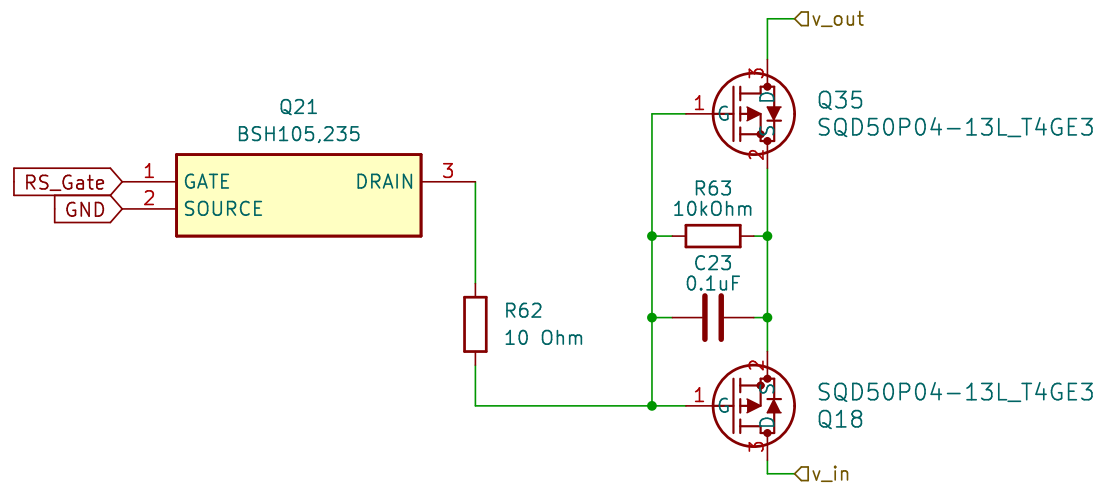
Size: A5

Date:

**Rev:**

KiCad E.D.A. kicad 7.0.8

Id: 24/24



**SpaceTeam Aachen**

Sheet: /Charge\_MCP73834\_2/RadioSilence1/  
File: radio\_silence.kicad\_sch

**Title: Radio Silence Switch**

Size: A5  
KiCad E.D.A. kicad 7.0.8

Date:

Rev:

Id: 23/24

