

Sheet: /INJ/  
File: INJ4.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. kicad-cli 7.0.9~7.0.9~ubuntu22.04.1

**Rev:**  
Id: 3/14

A

A

B

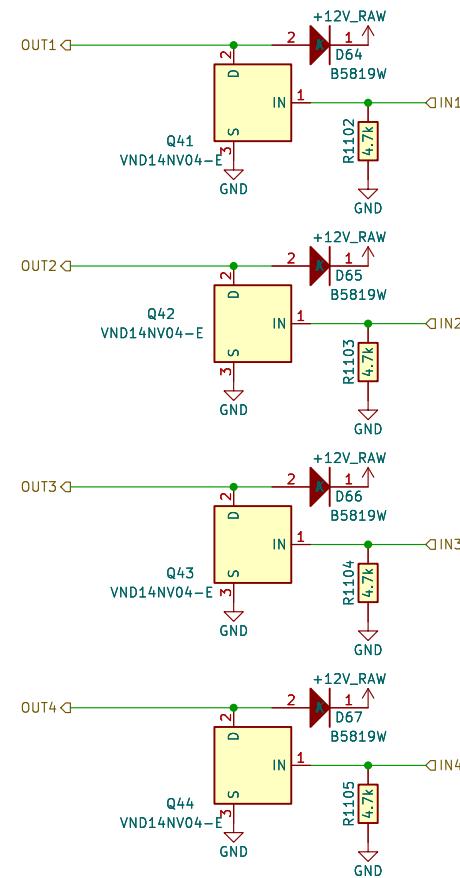
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Sheet: /LS1/  
File: LS4.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu22.04.1

**Rev:**  
Id: 4/14

A

A

B

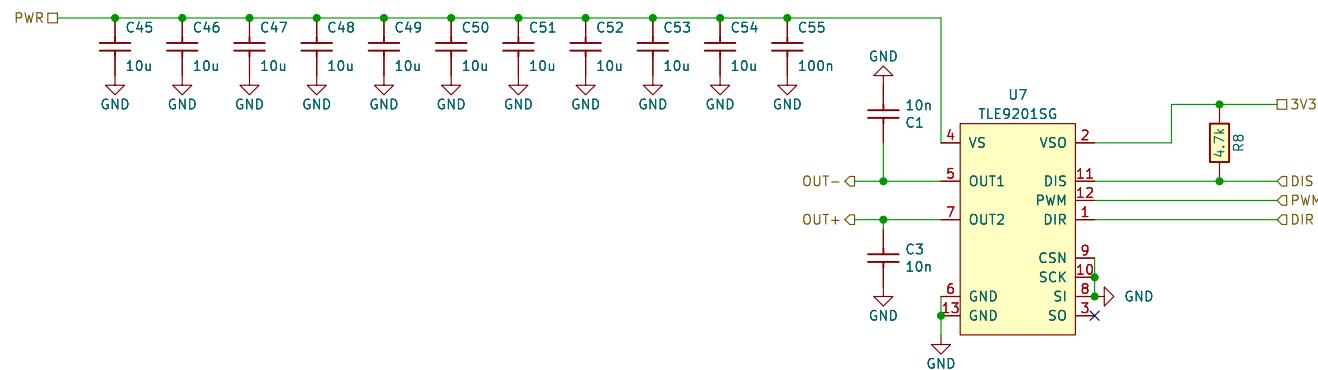
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Sheet: /ETB/  
File: DC\_MOTOR\_0.1.kicad\_sch

**Title: Hellen-One DC motor driver**

Size: A4 | Date: 2023-09-04  
KiCad E.D.A. kicad-cli 7.0.9-7.0.9-ubuntu22.04.1

Rev: 0.1  
Id: 5/14

A

A

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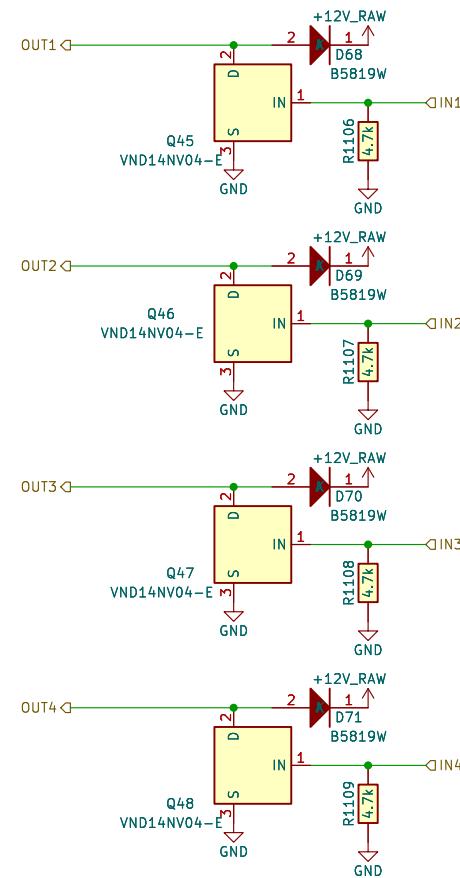
B

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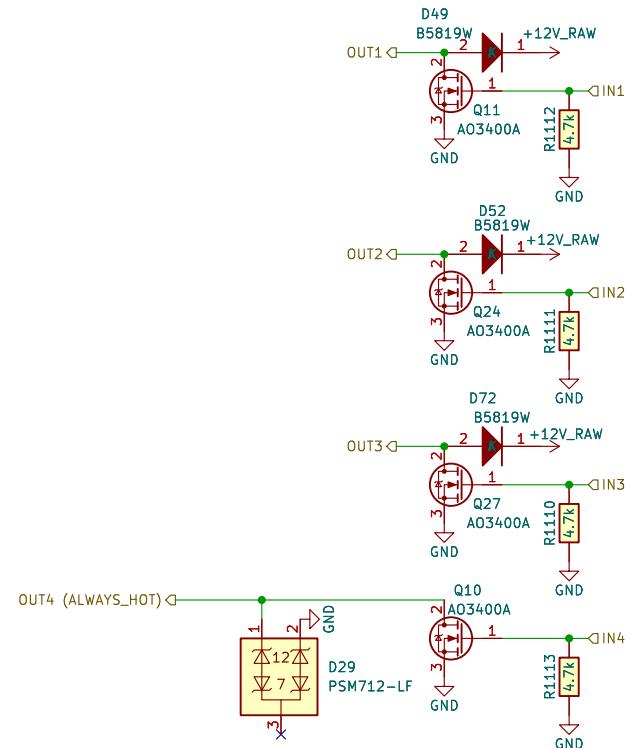


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**Title:**

Size: A4 | Date:  
KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu22.04.1

**Rev:**  
Id: 6/14



Sheet: /LS\_weak/  
File: LS\_weak.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu22.04.1

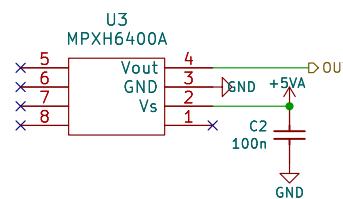
**Rev:**  
Id: 7/14

A

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

**Title:**

Size: A4 | Date:  
KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu22.04.1

**Rev:**  
Id: 8/14

A

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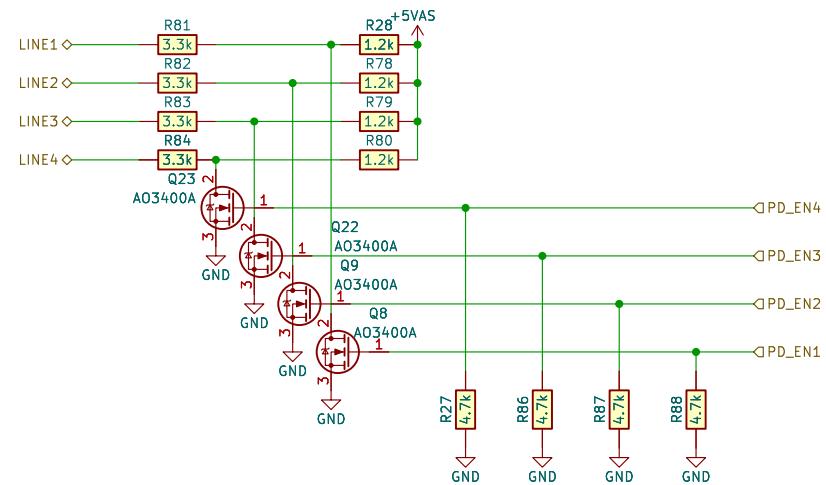
B

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Sheet: /OPT\_PULLDOWNNS1/  
File: PD4.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. kicad-cli 7.0.9-7.0.9-ubuntu22.04.1

**Rev:**  
Id: 9/14

A

A

B

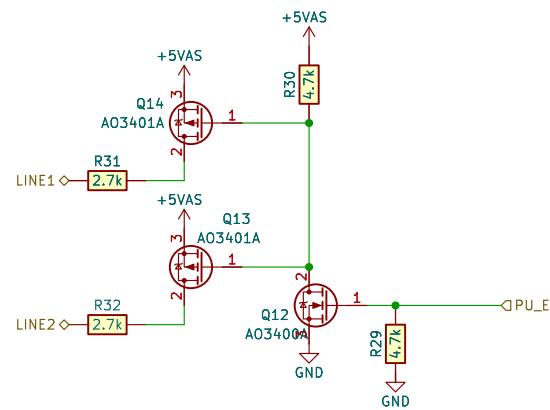
B

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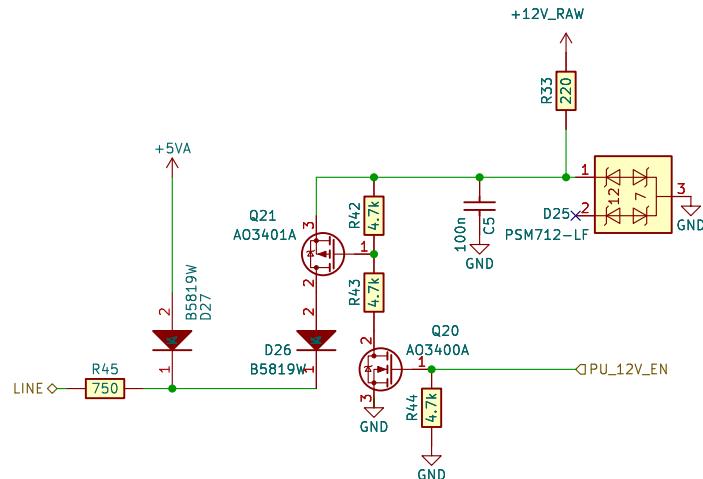


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**Title:**

Size: A4 | Date:  
KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu22.04.1

**Rev:**  
Id: 11/14

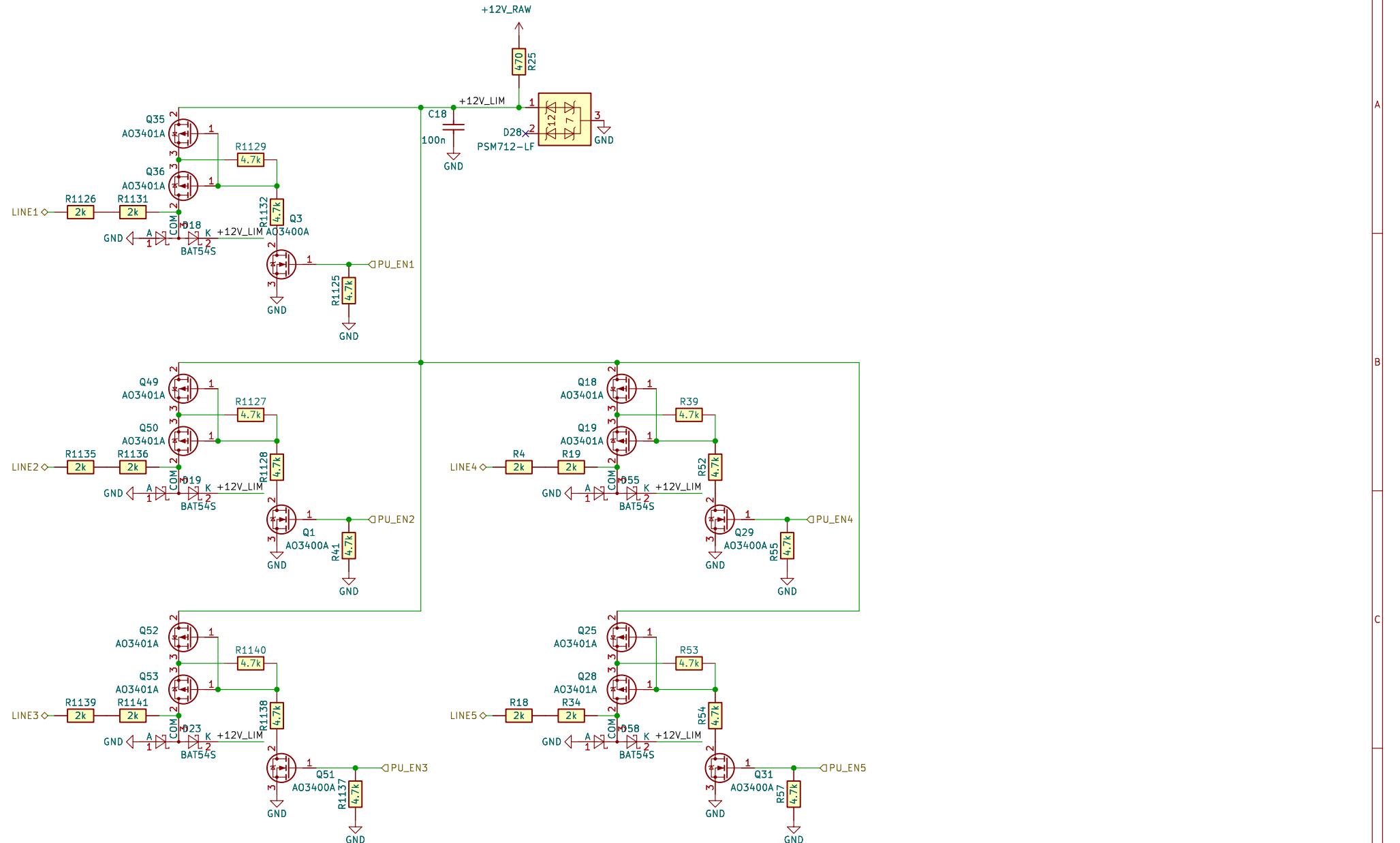


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**Title:**

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KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu22.04.1

**Rev:**  
Id: 12/14



Sheet: /HALL\_OPT\_PU/  
File: HALL\_PU3.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu22.04.1

Rev:  
Id: 13/14

A

B

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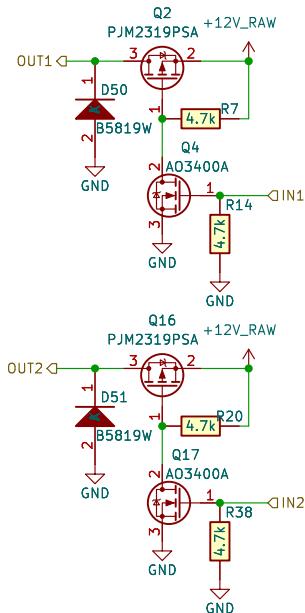
D

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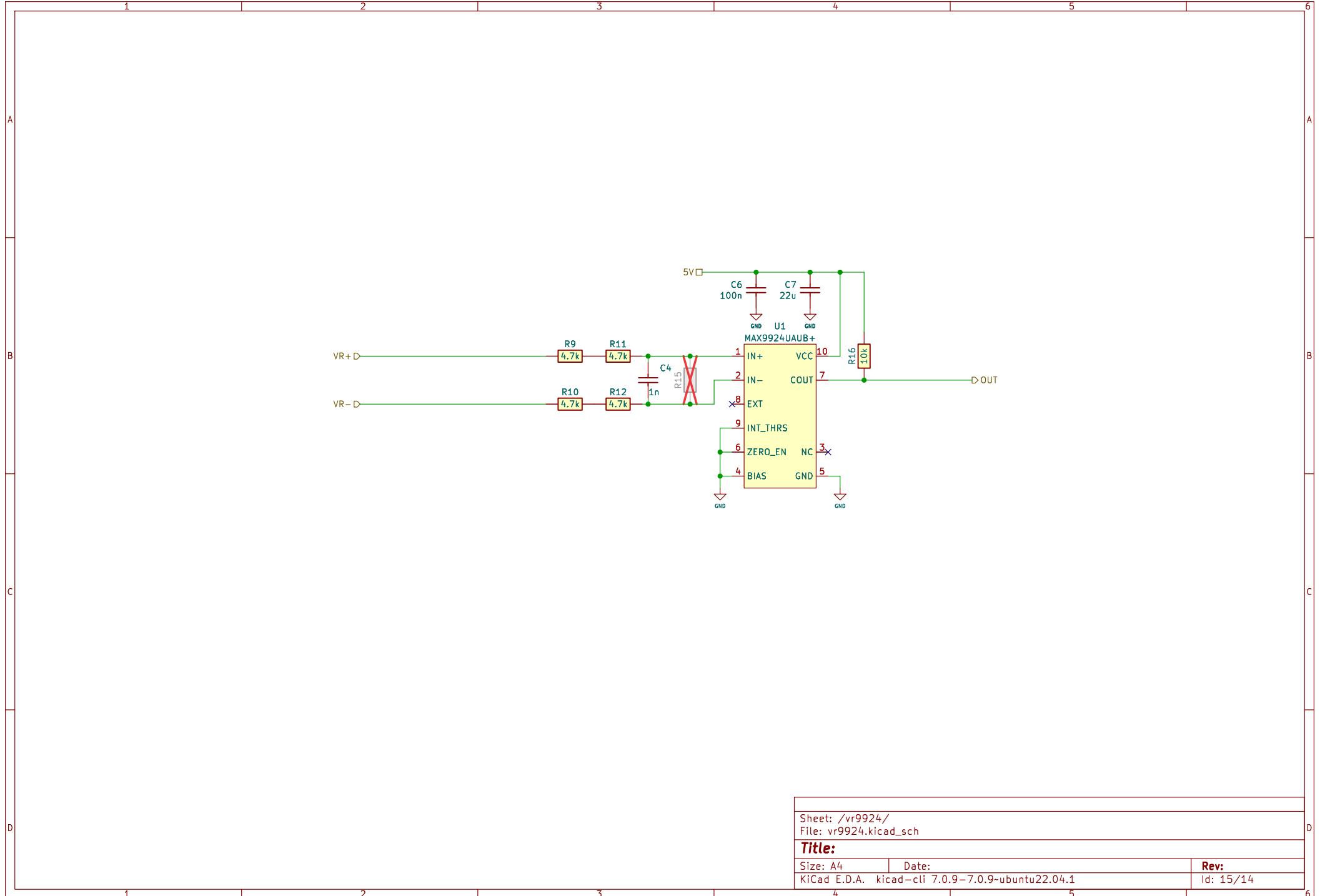
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**Rev:**  
Id: 14/14

1 2 3 4 5 6



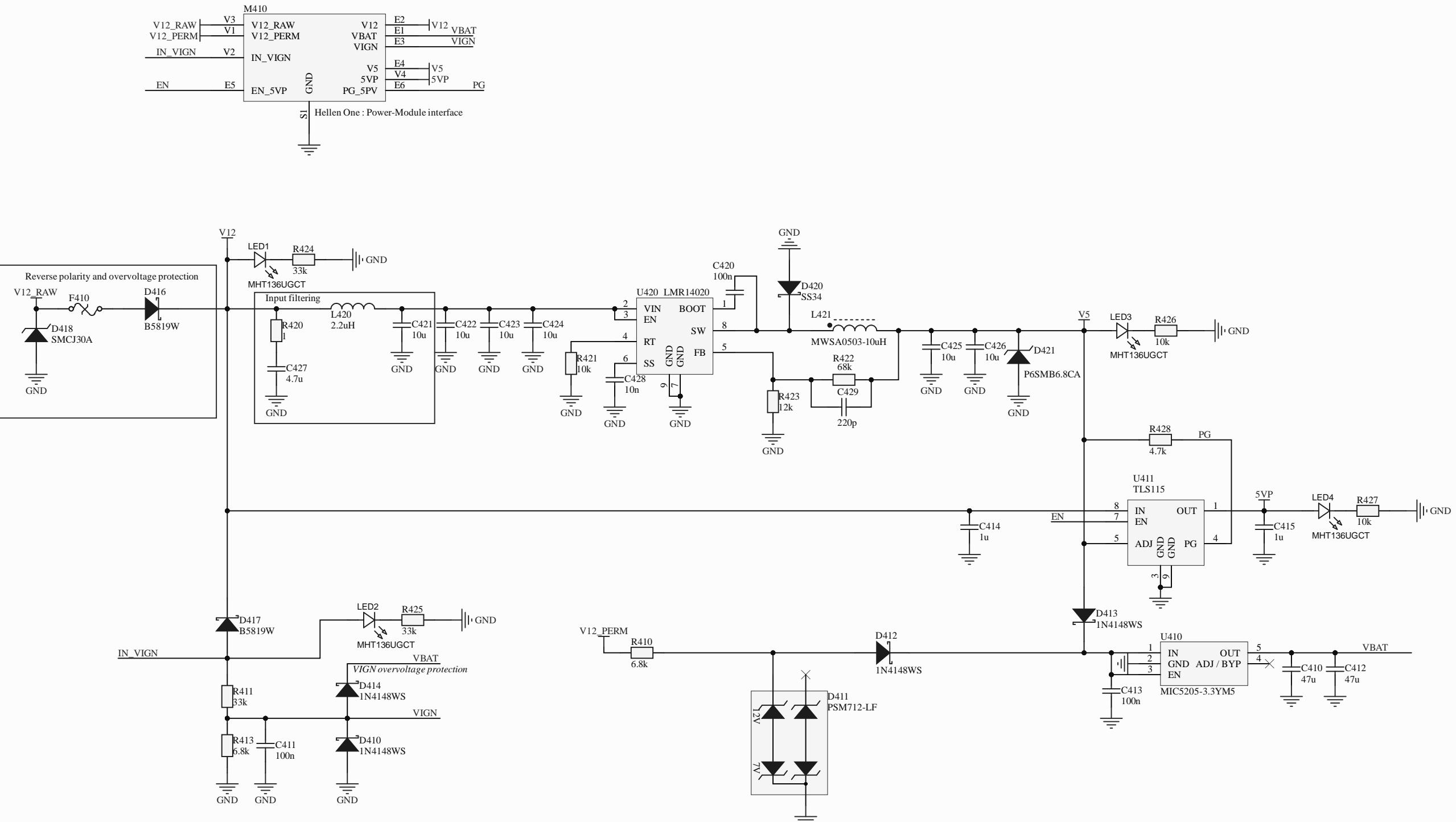
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KiCad E.D.A. kicad-cli 7.0.9-7.0.9~ubuntu22.04.1

**Rev:**  
Id: 15/14

1 2 3 4 5 6



A

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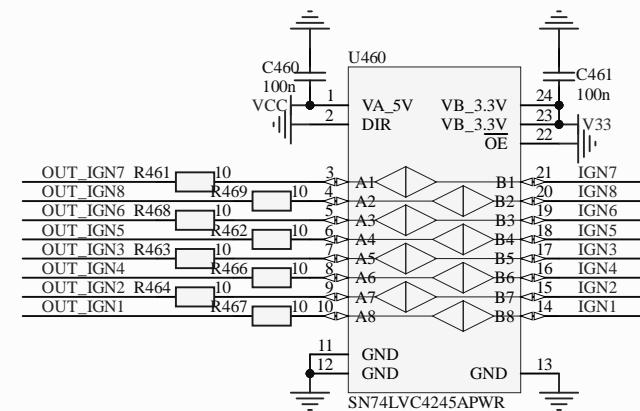
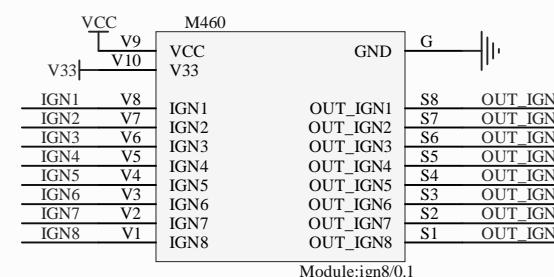
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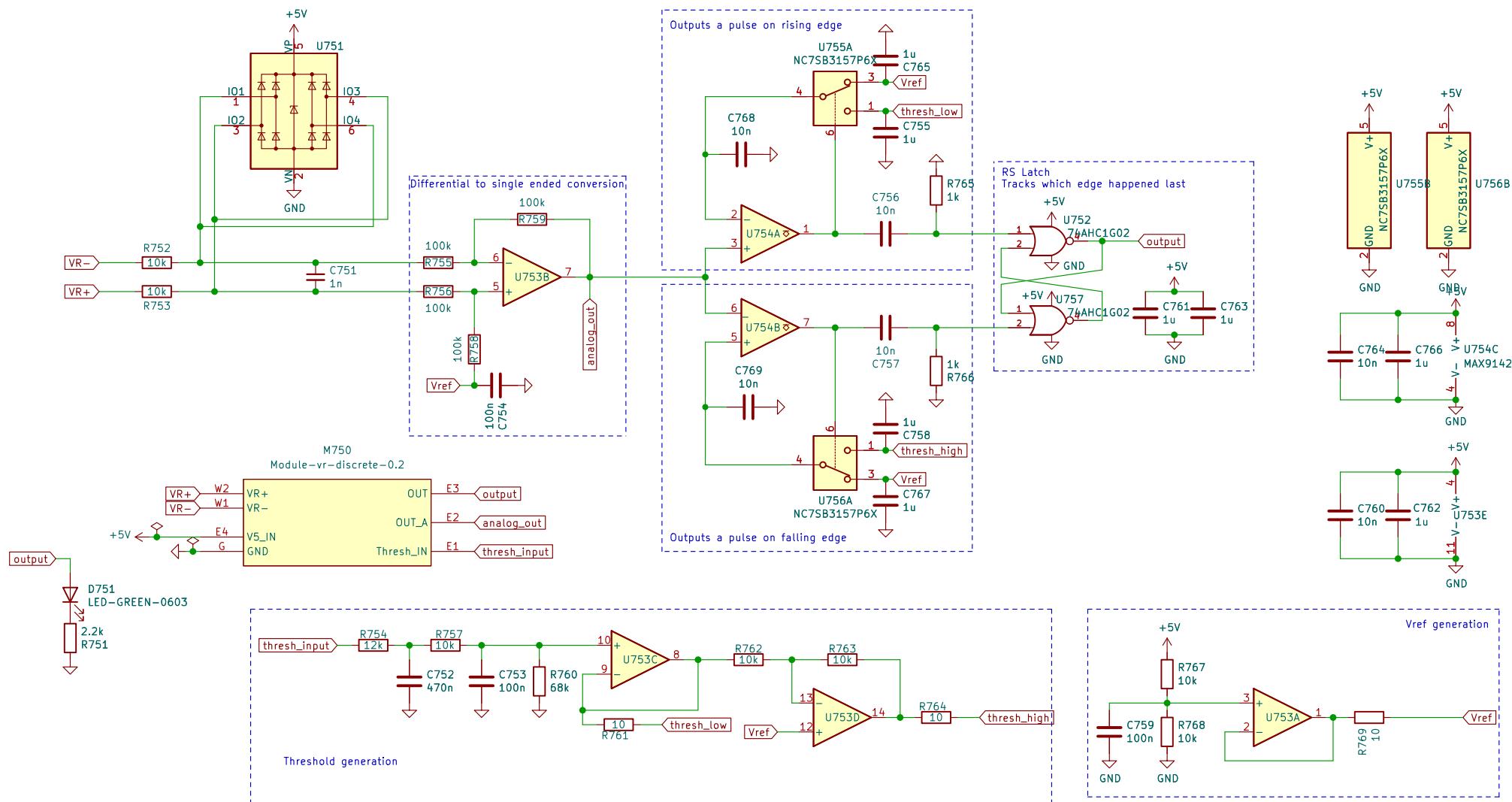
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File: hellen1-vr-discrete.kicad\_sch  
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**Rev:**  
Id: 1/1

A

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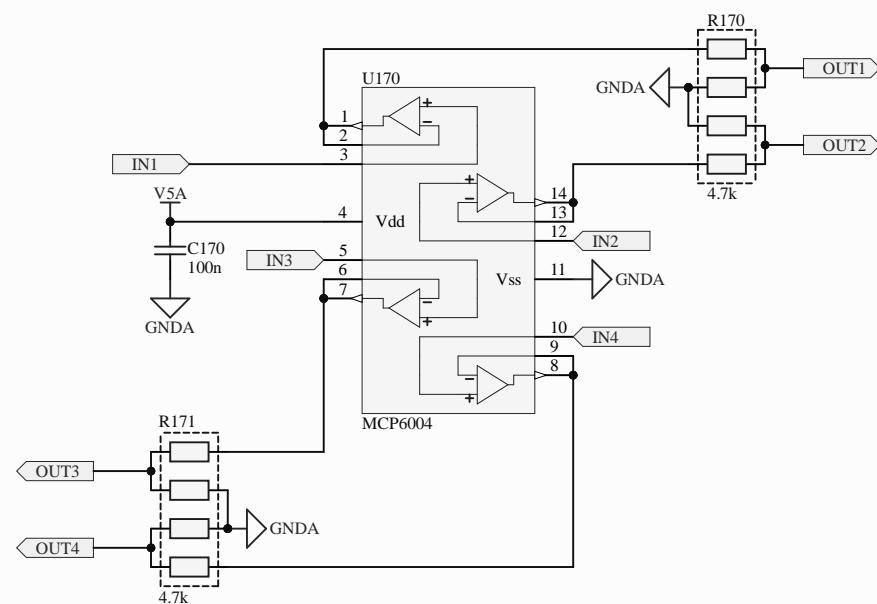
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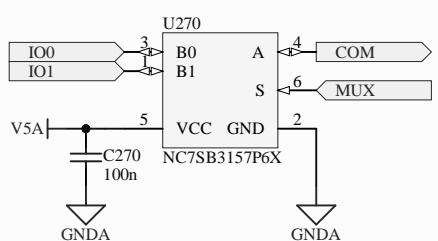
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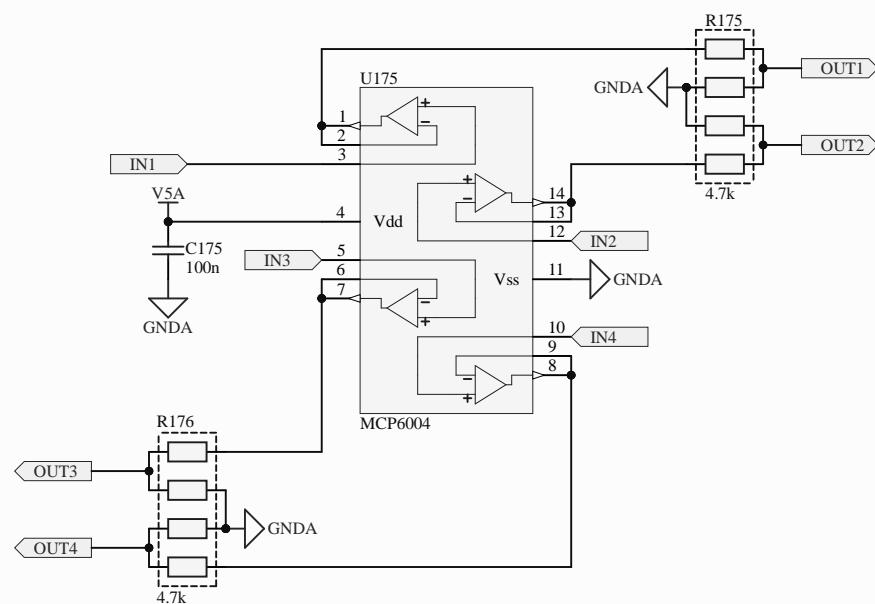
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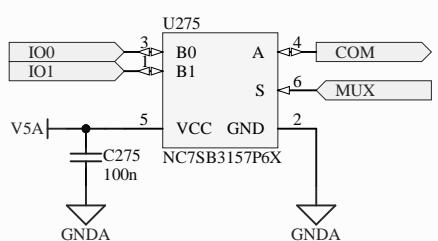
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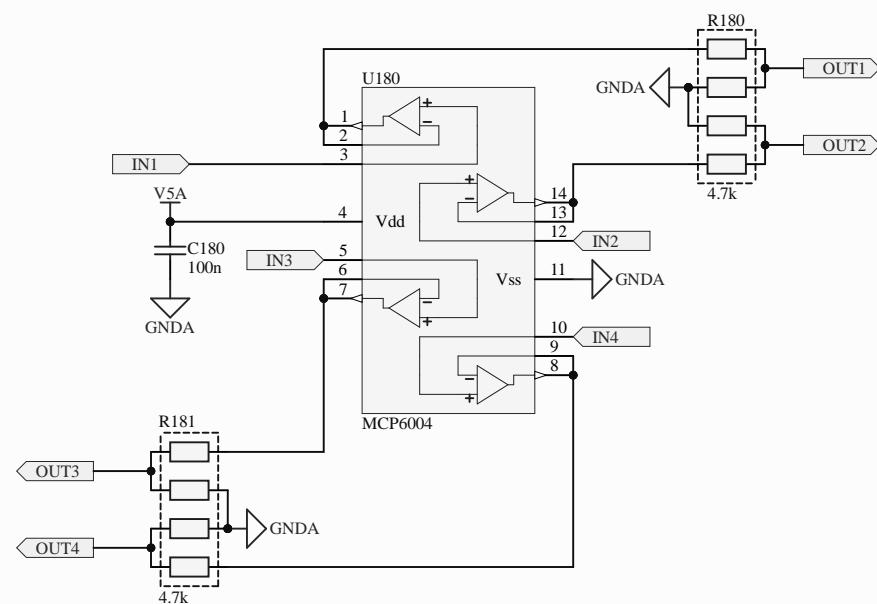
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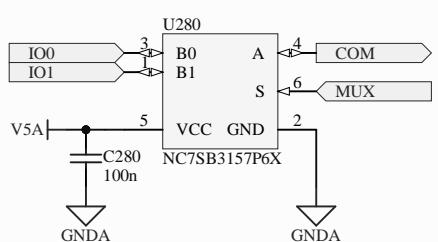
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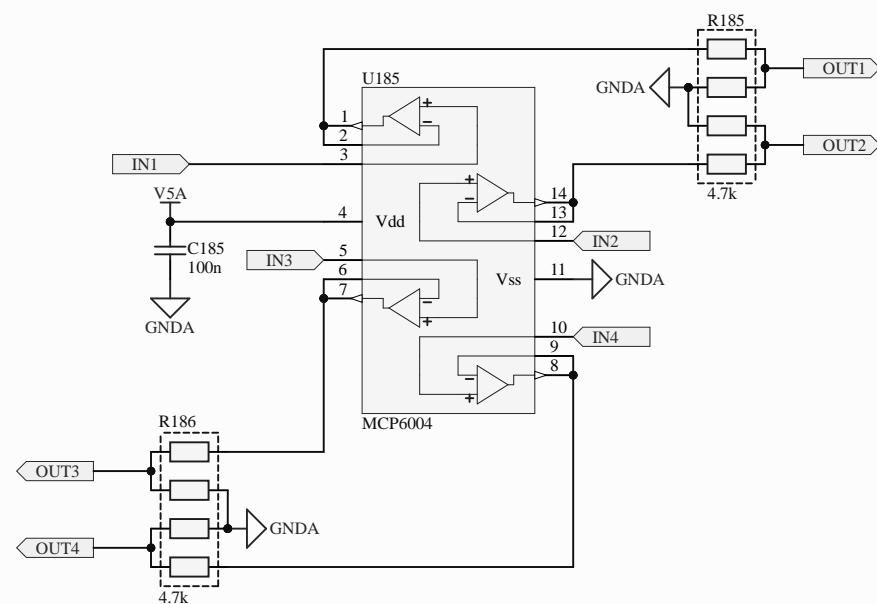
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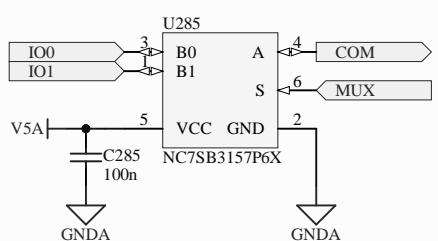
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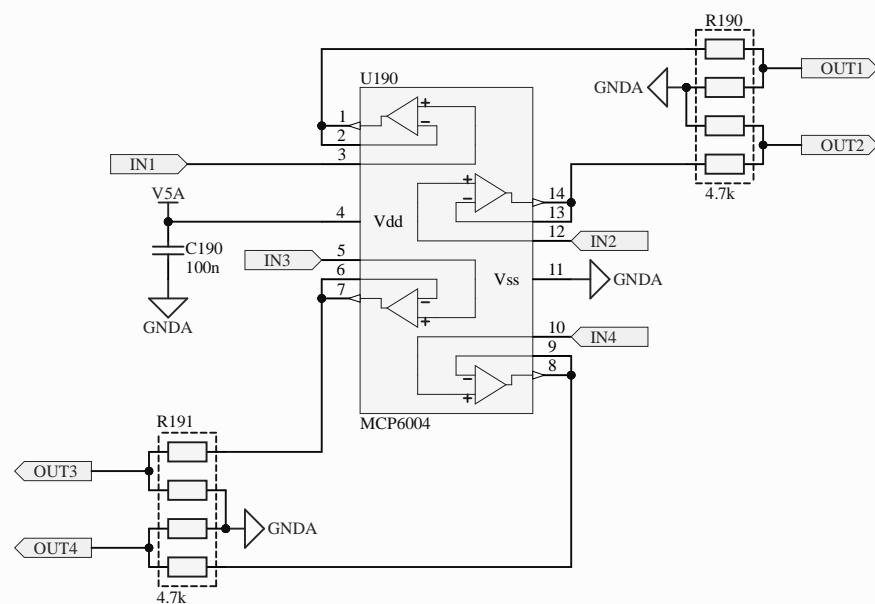
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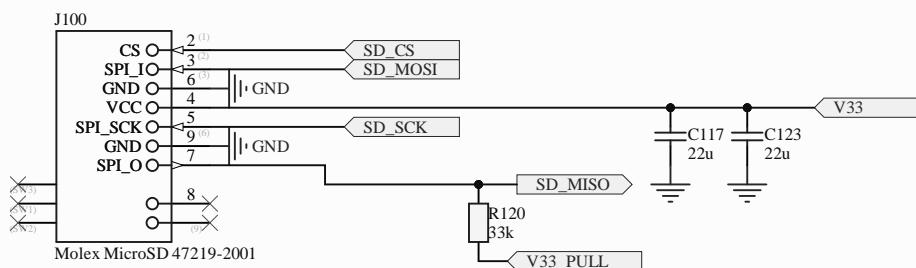
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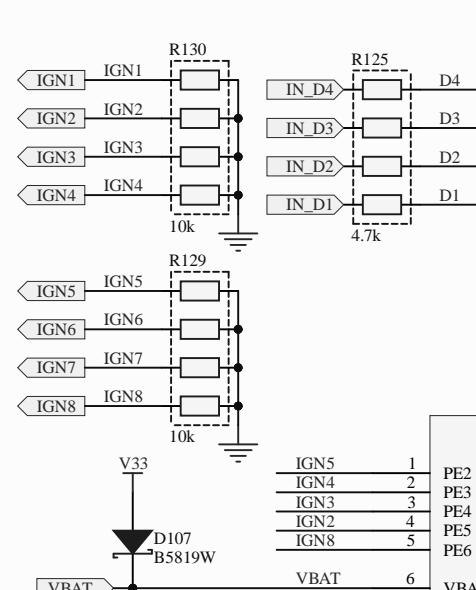
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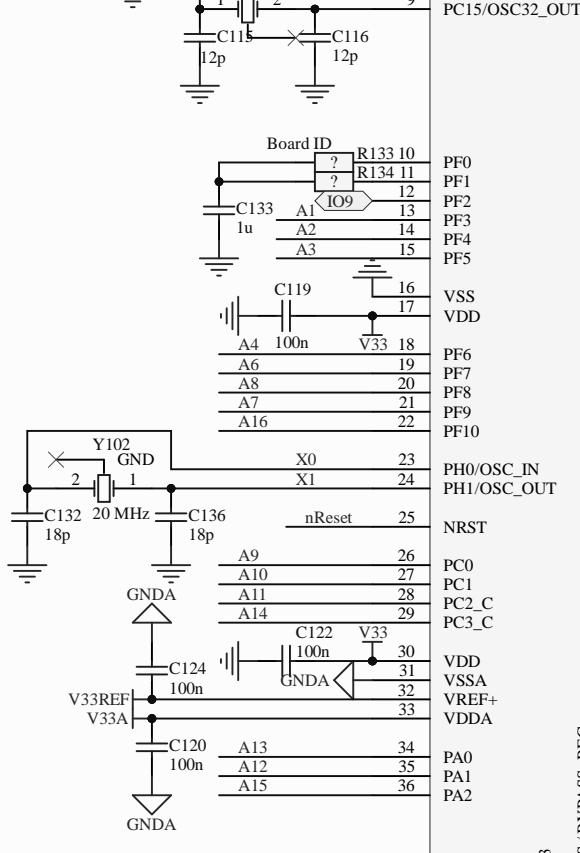
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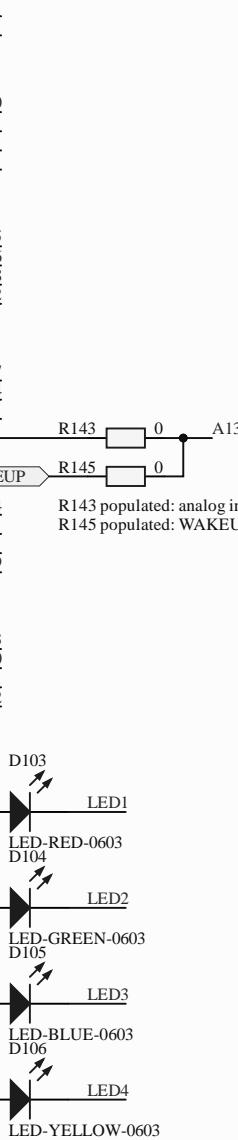
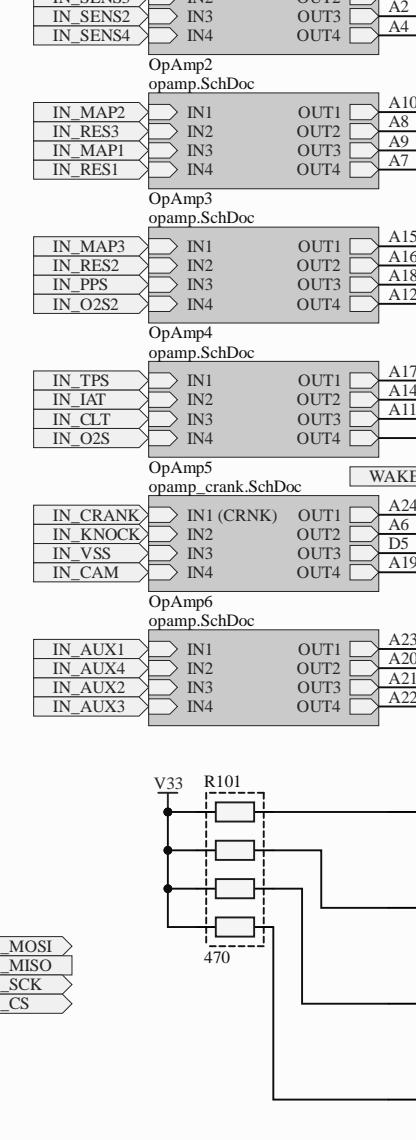
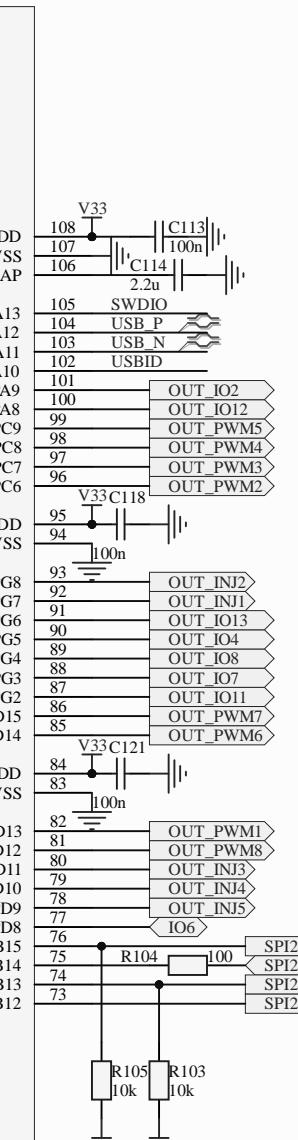
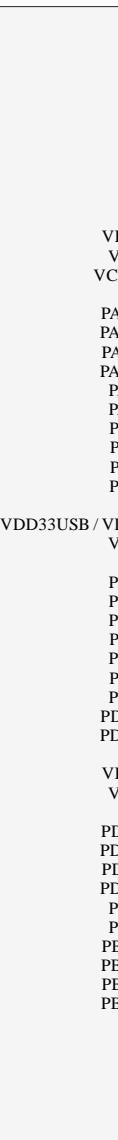
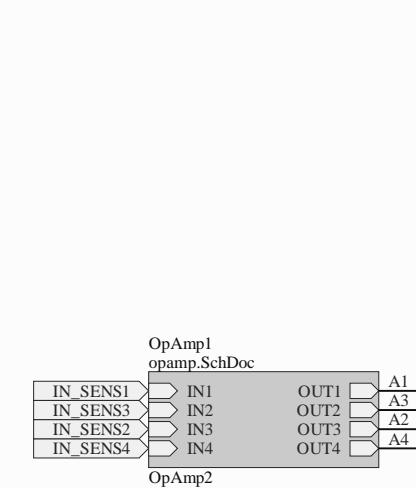
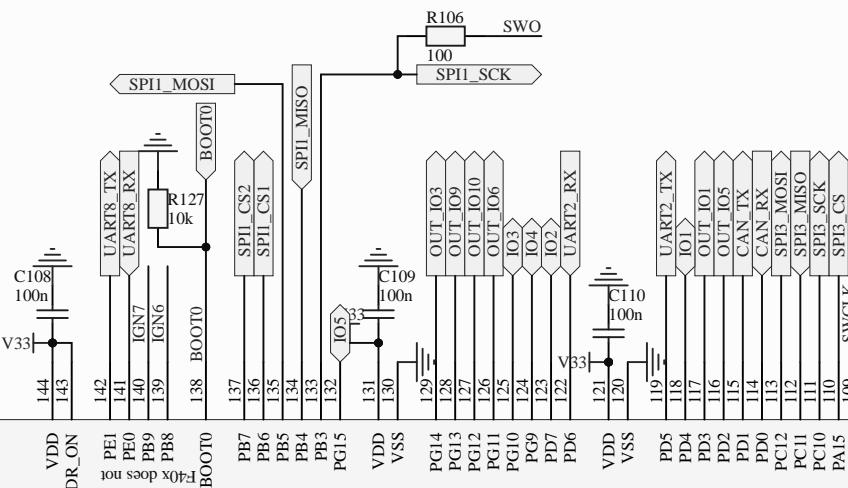
A



B

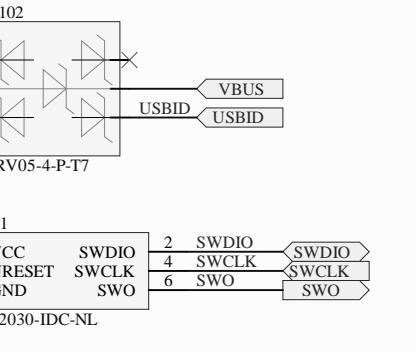
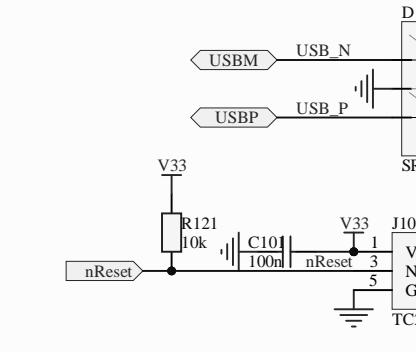


D



\*A20-A23 are duplicated for ADC3  
\*VIGN input is unprotected!

\*D5 is digital-only on F429! (EINT11)  
\*A20-A22 are duplicated for COMPI/2



1

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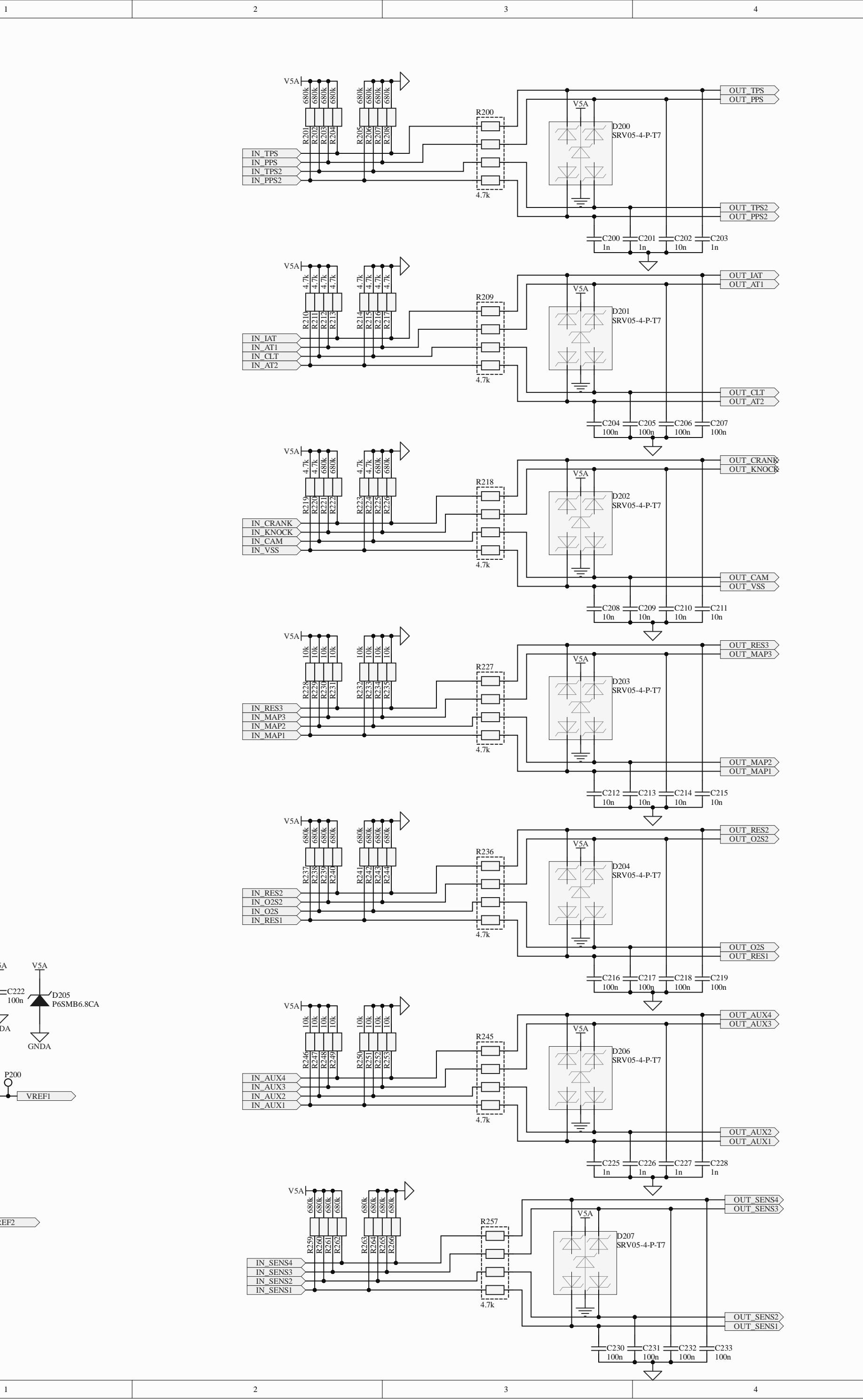
4

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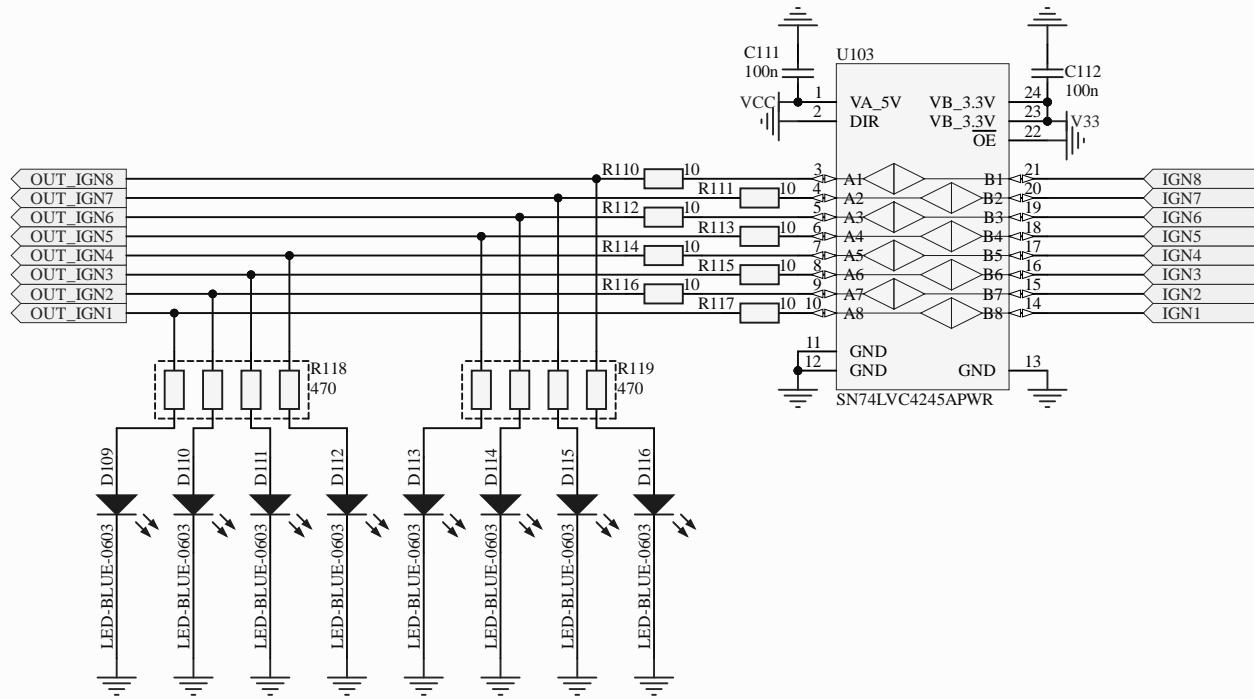
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A

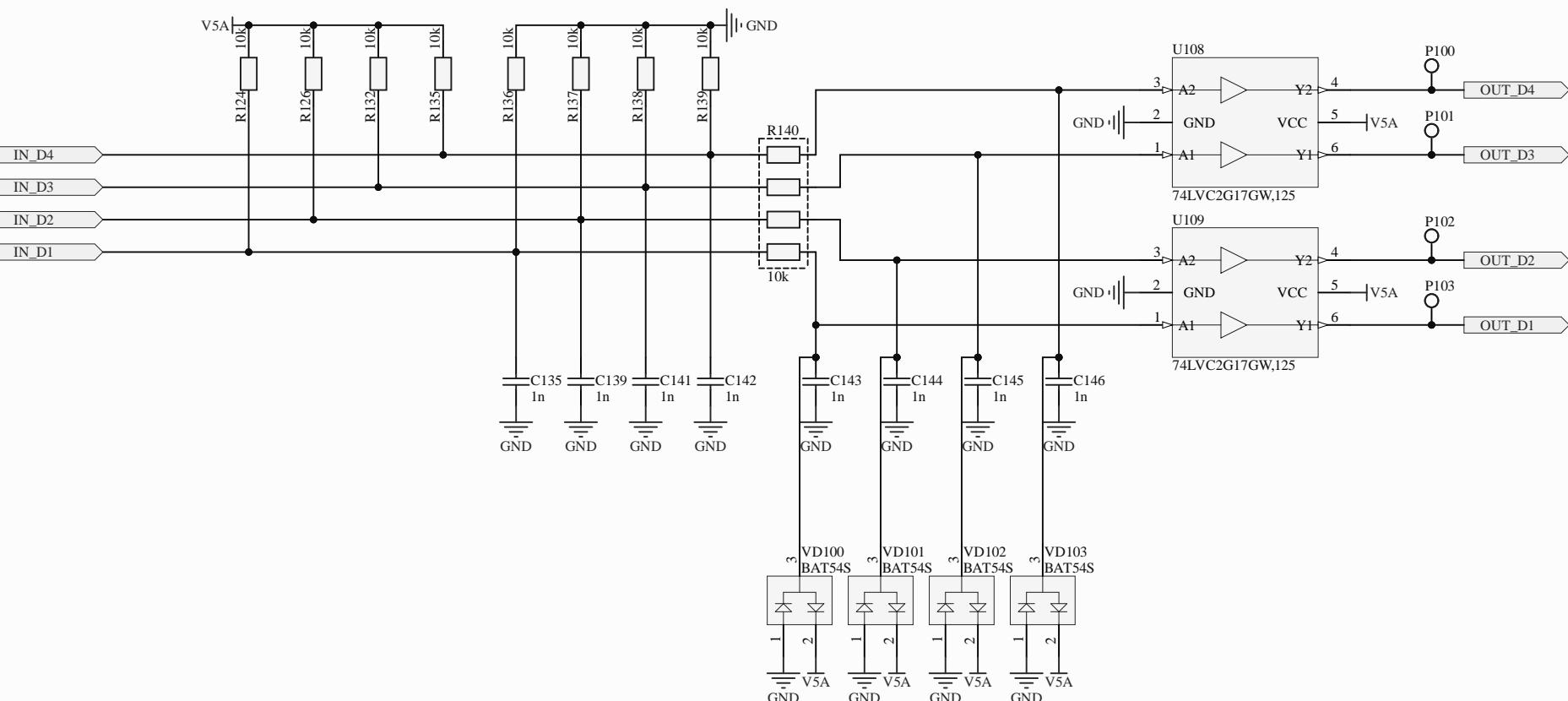
B

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A



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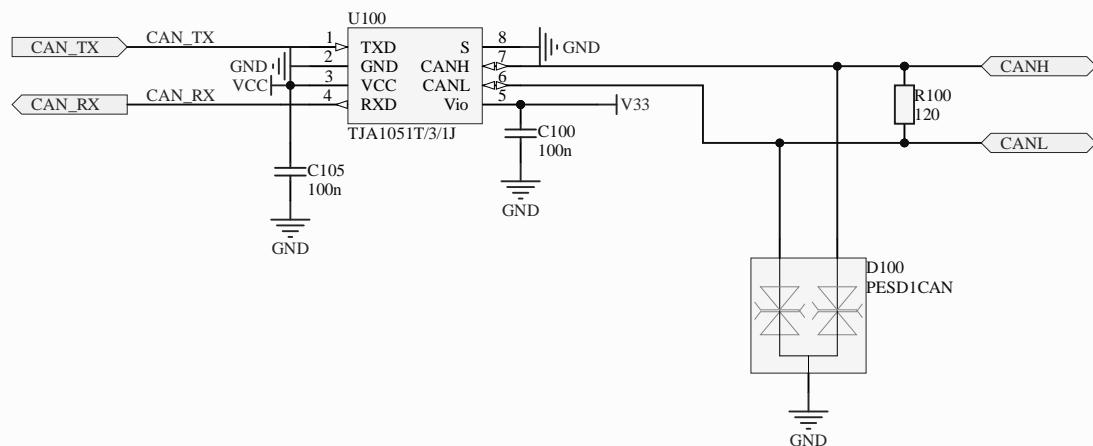
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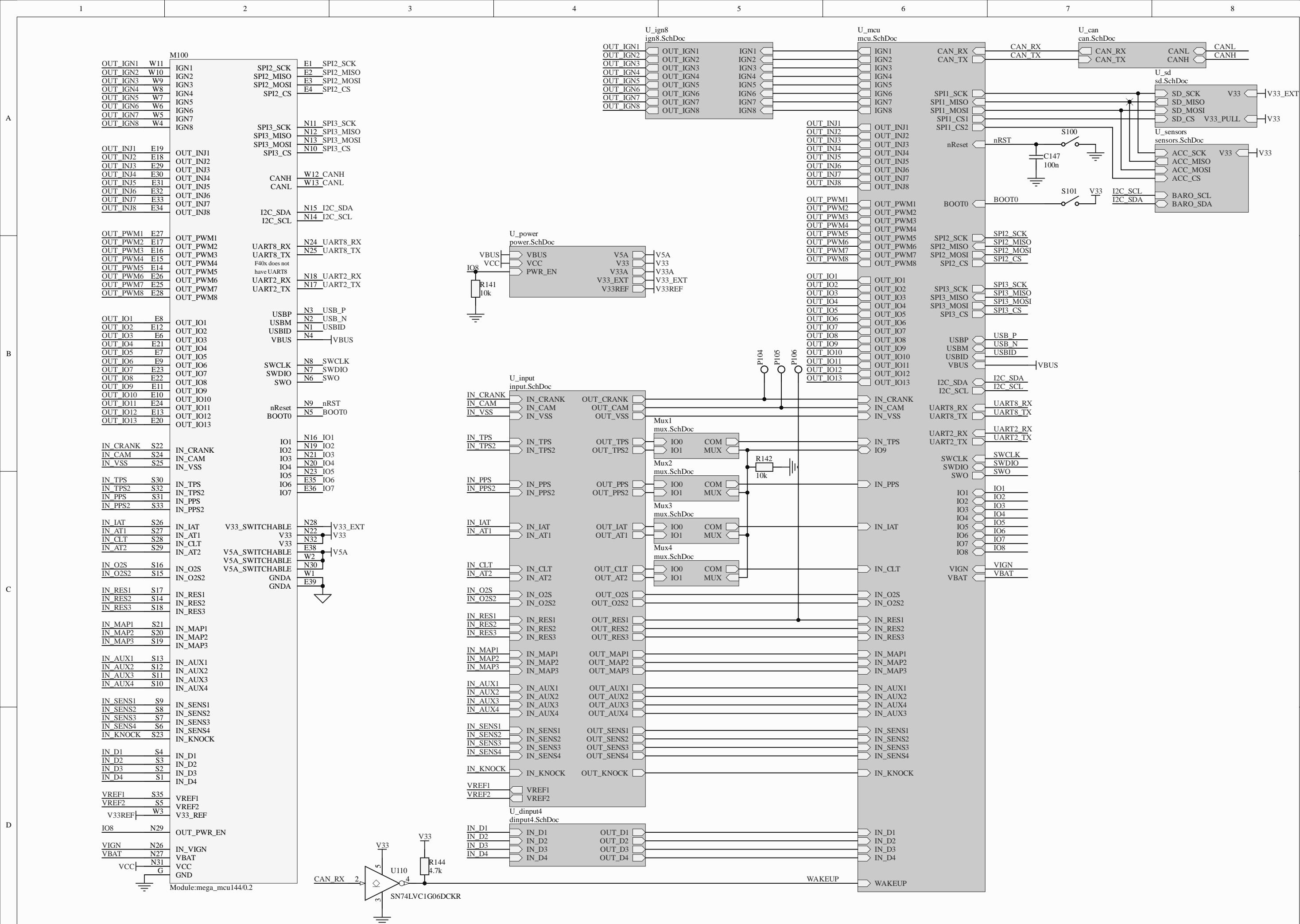
C

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A

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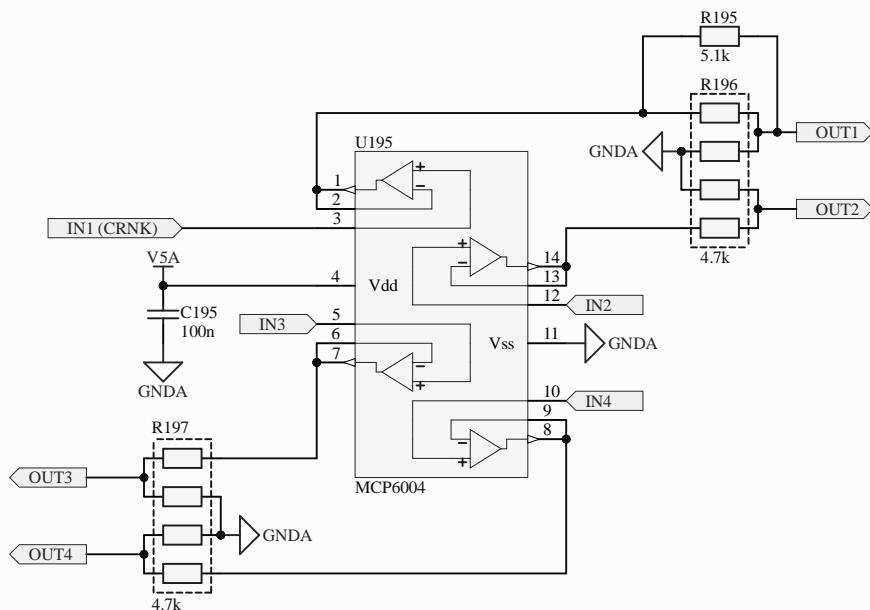
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C

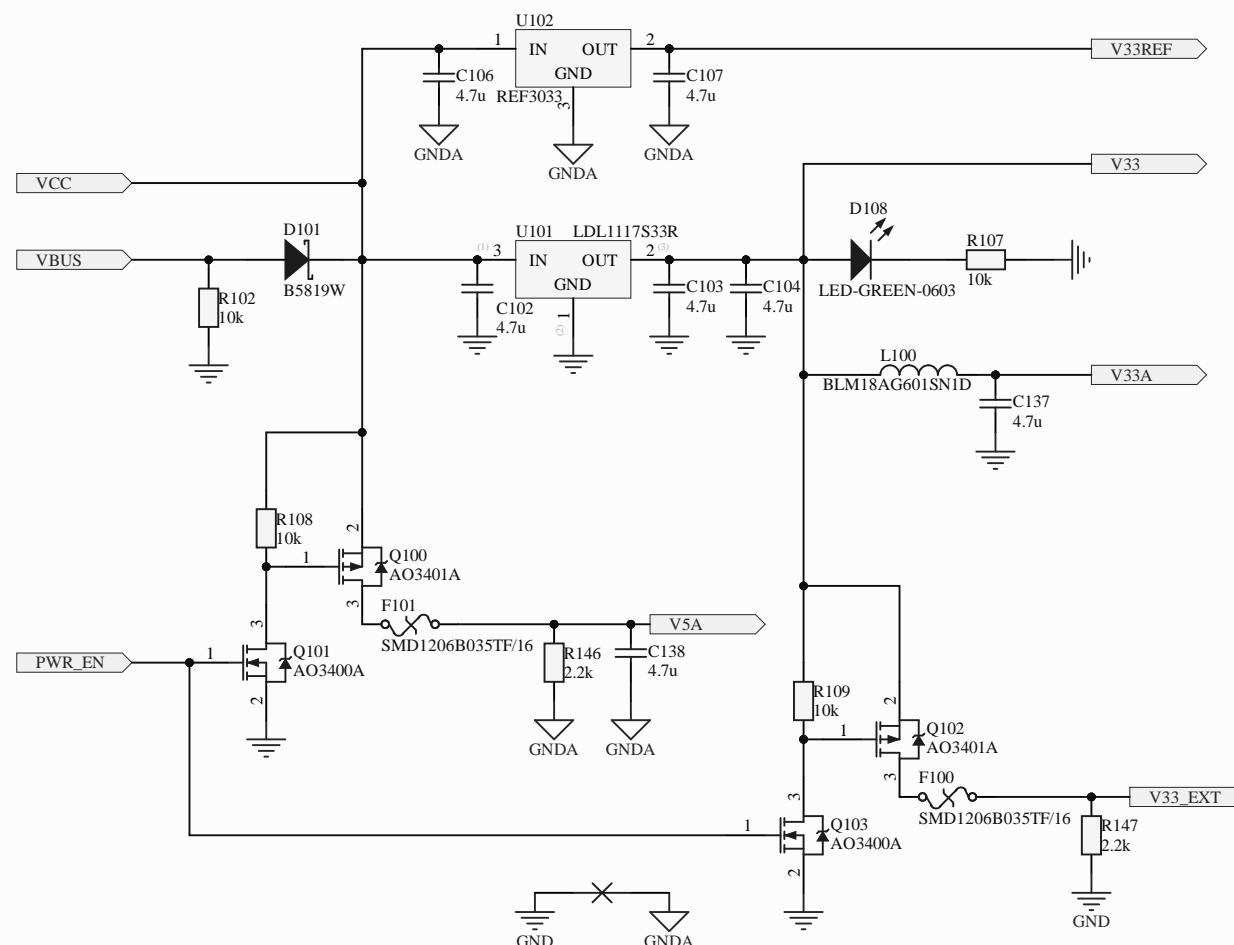
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D

More accurate threshold for "raw" connection of VR sensors



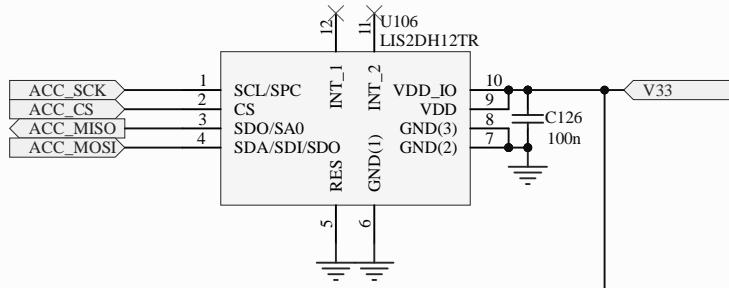
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Title		
Size	Number	Revision
A4		
Date: 11.26.2023	Sheet of	
File: C:\github\..\power.SchDoc		Drawn By:

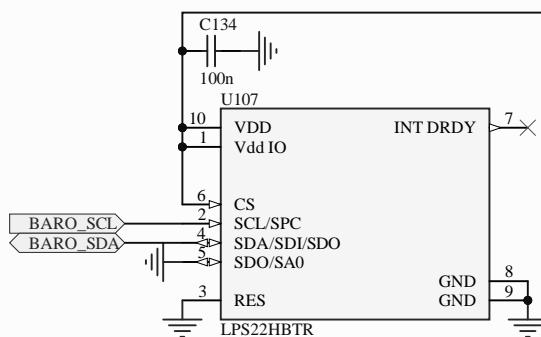
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A



B

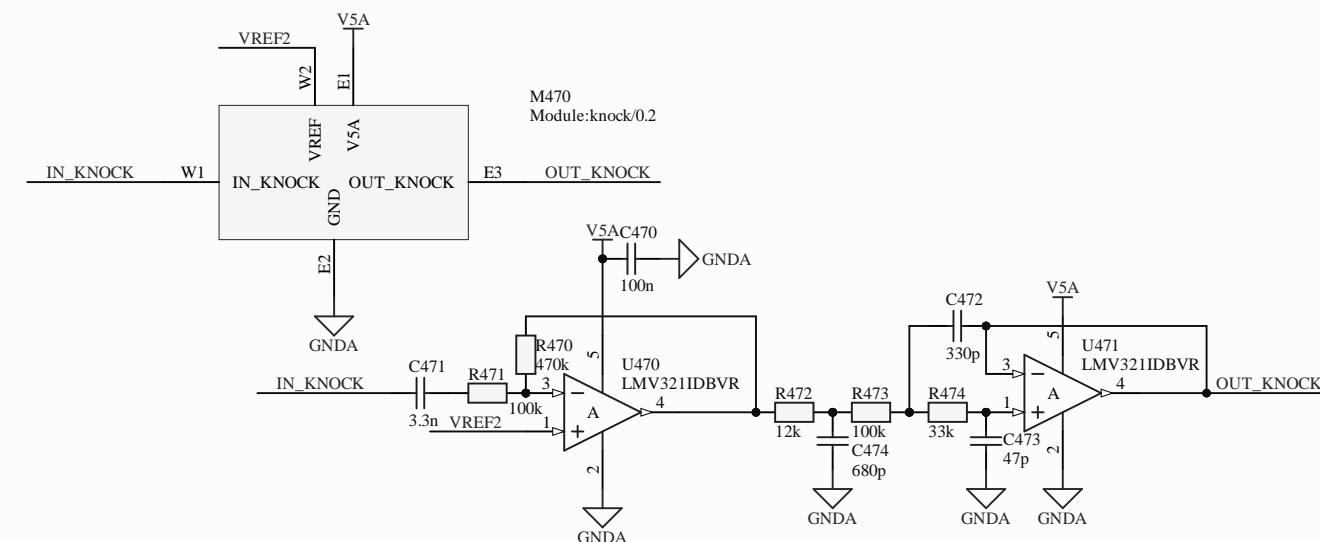
B



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