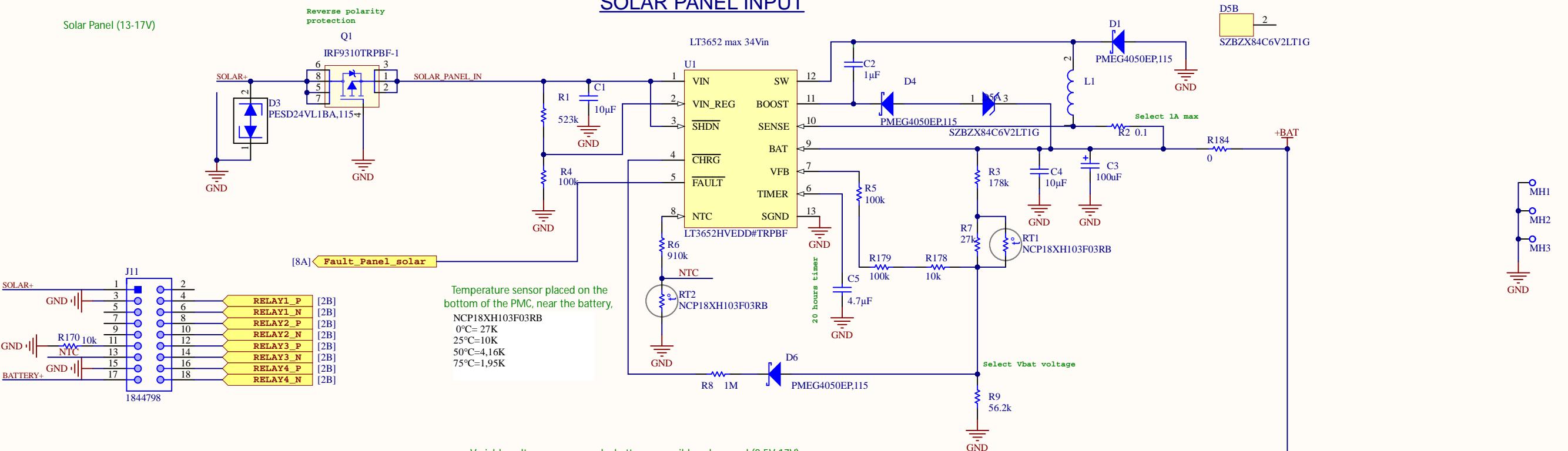
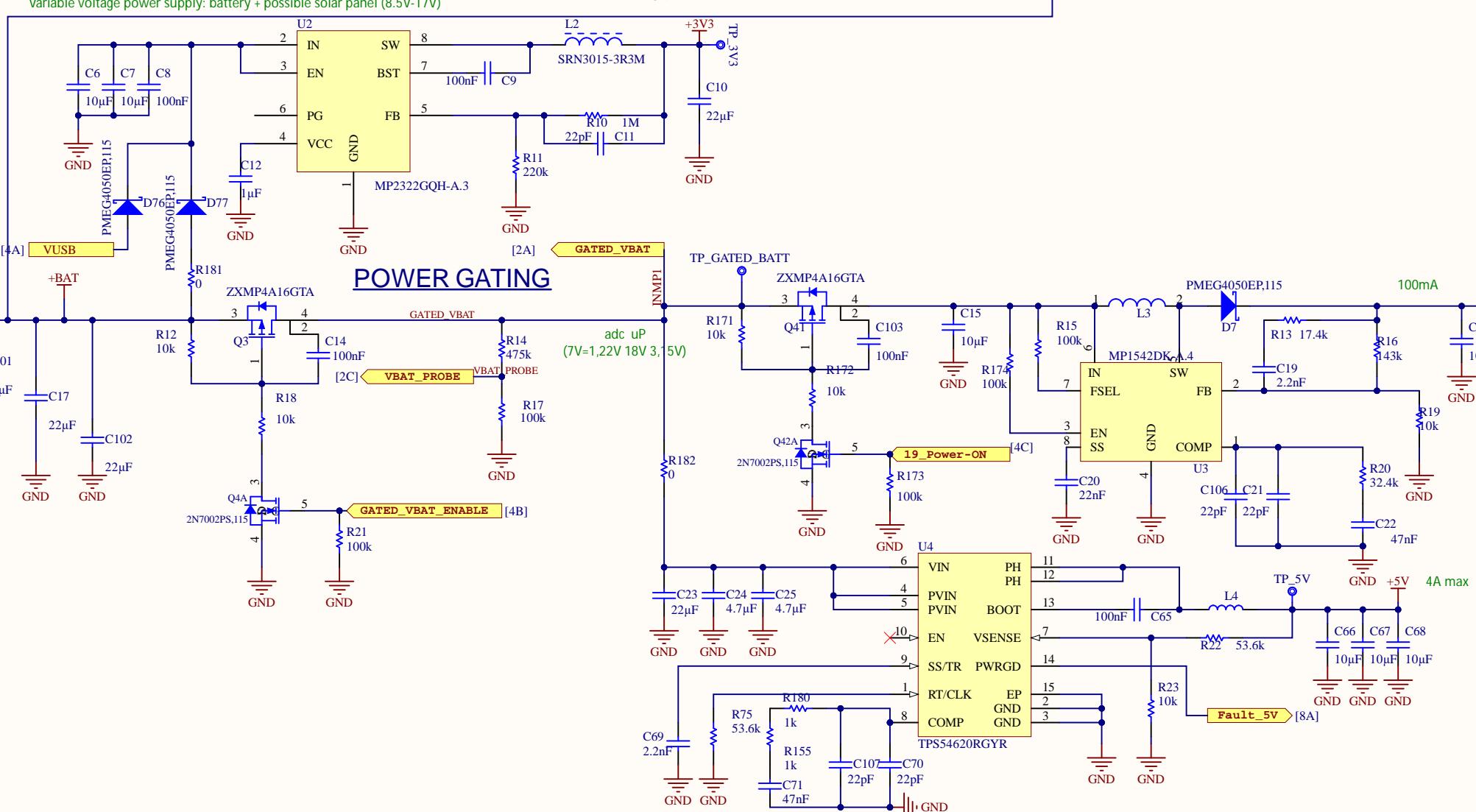


SOLAR PANEL INPUT

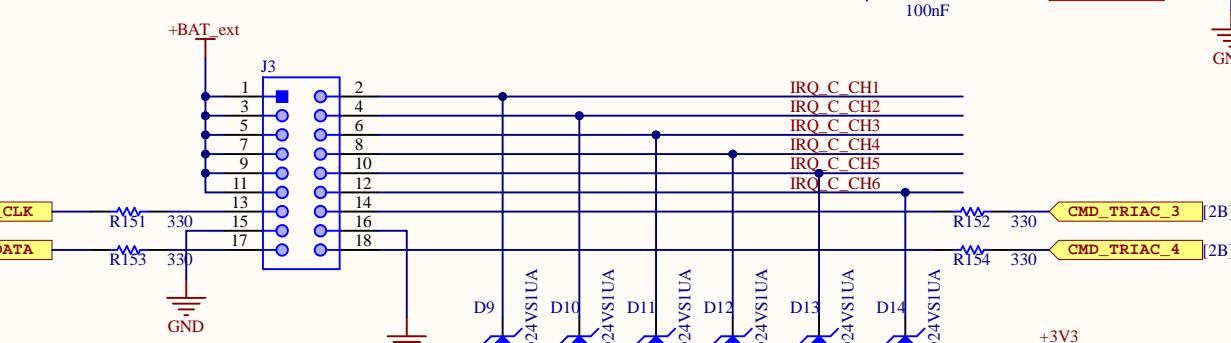
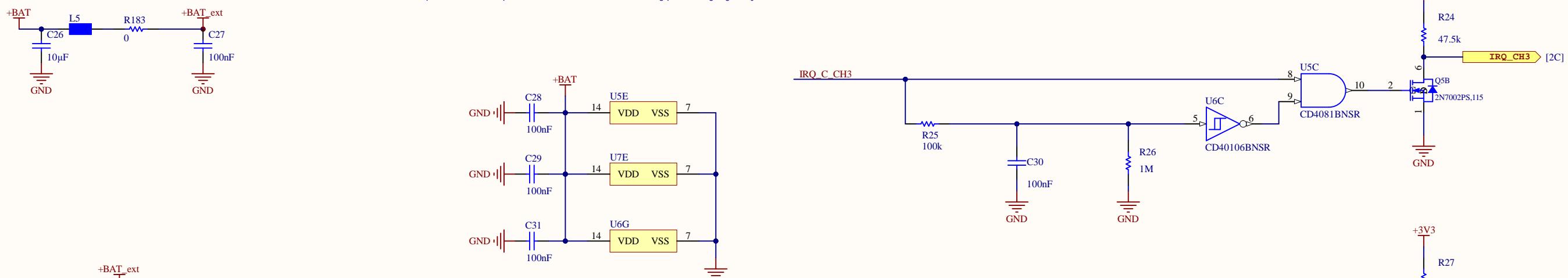


Variable voltage power supply: battery + possible solar panel (8.5V-17V)

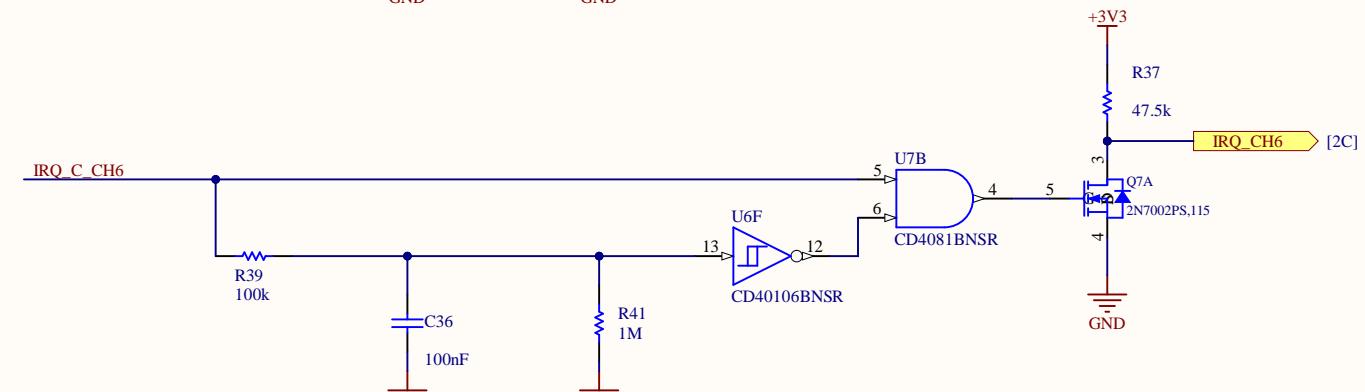
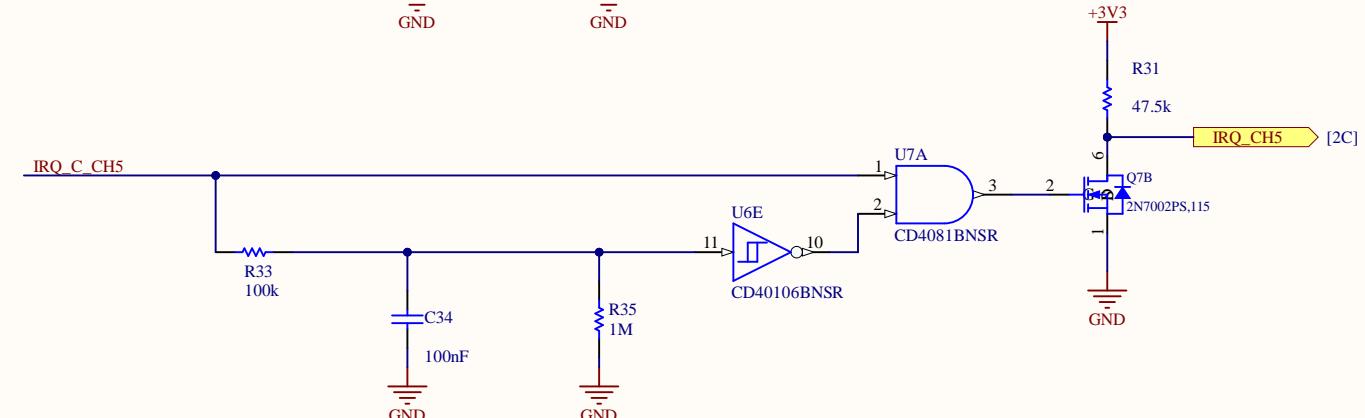
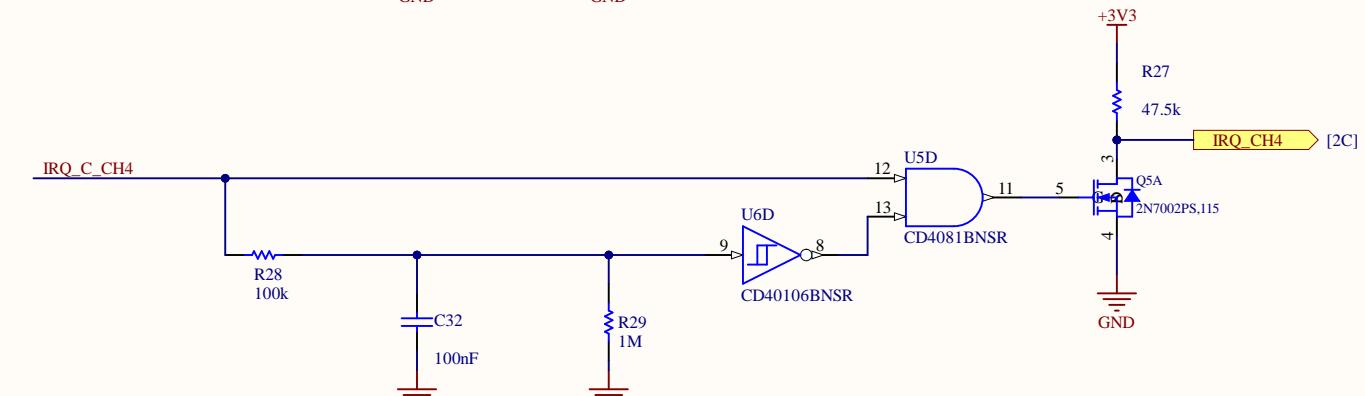
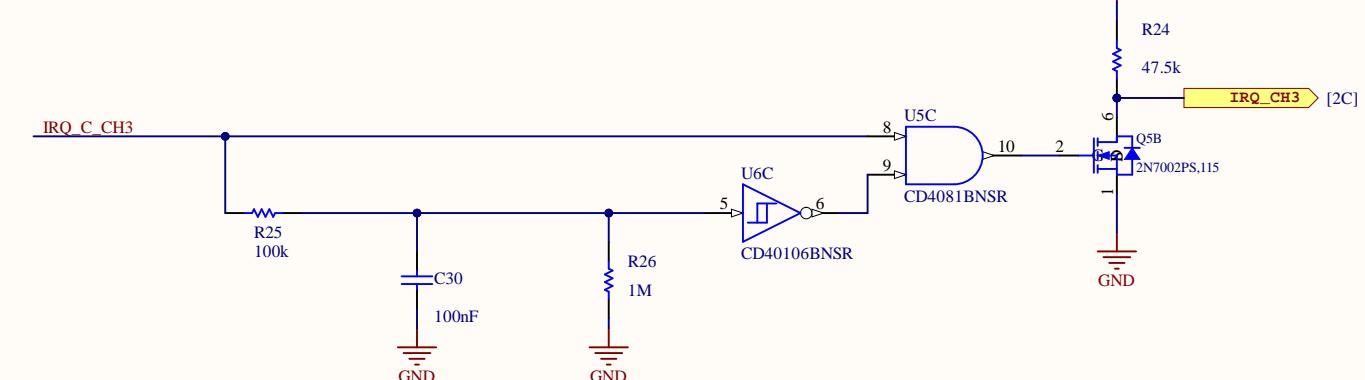
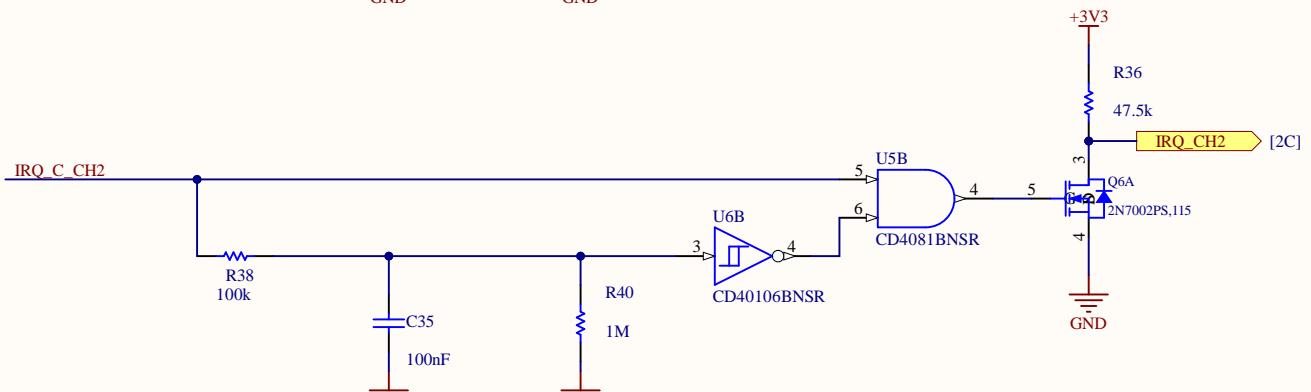
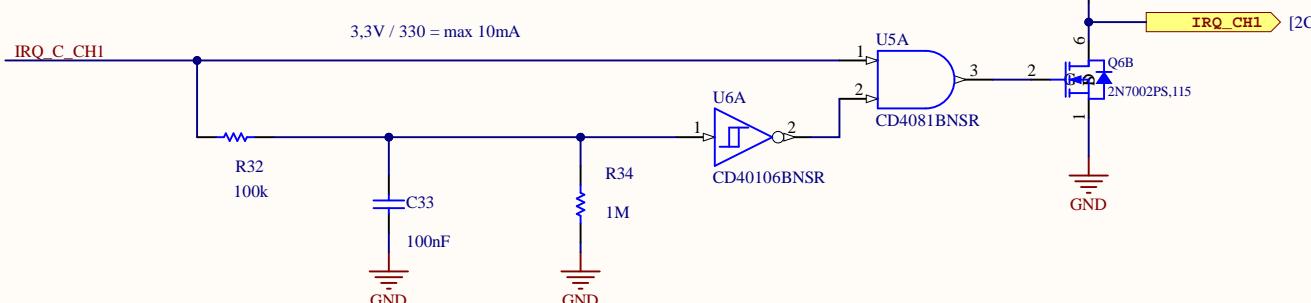


INPUT ON/OFF Channel 1..6 (interrupt)

6 inputs on/off i for pluviometer, watermeter, switching pressure gauge, dry contacts



OUTPUT Channel 1..4



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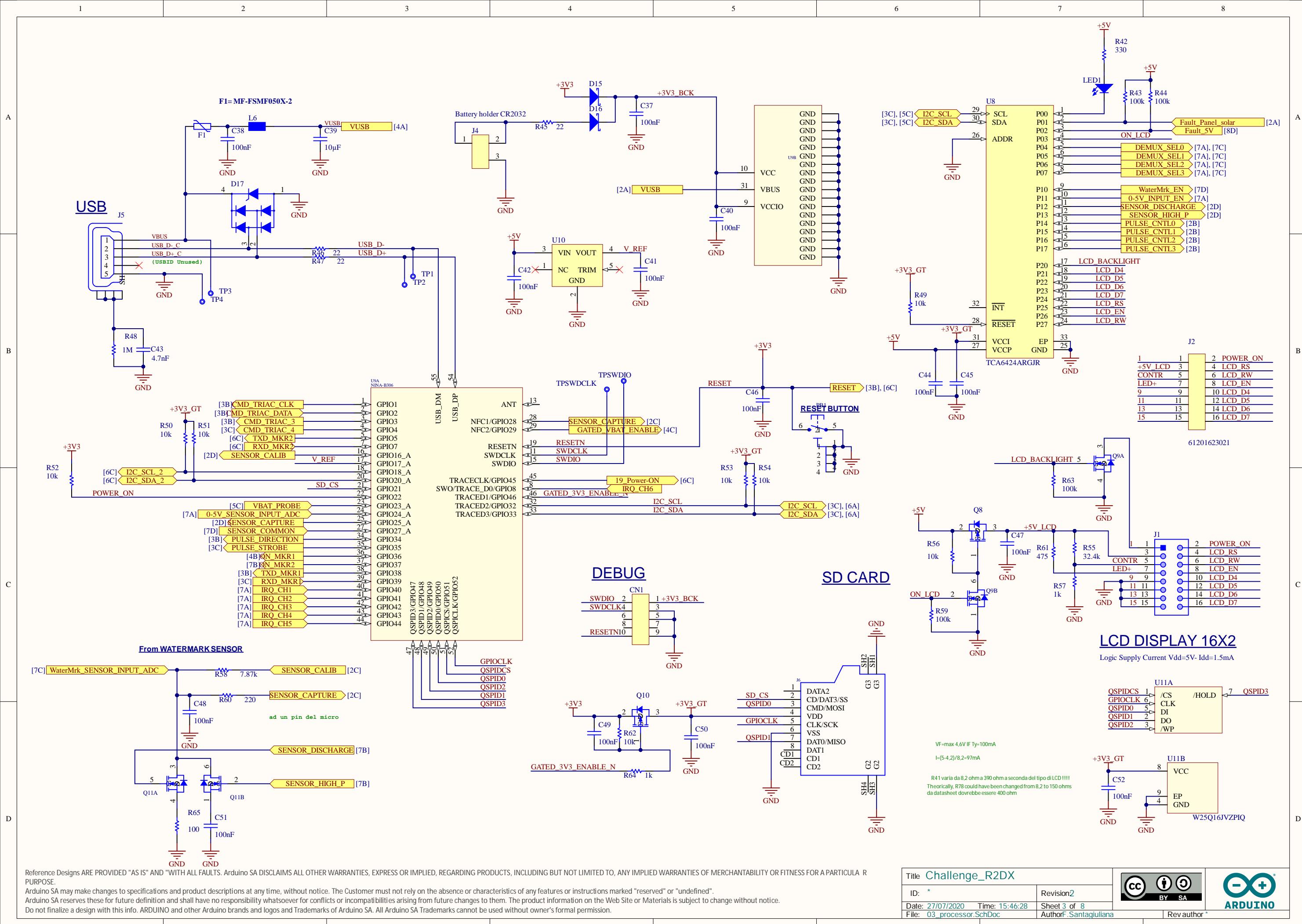
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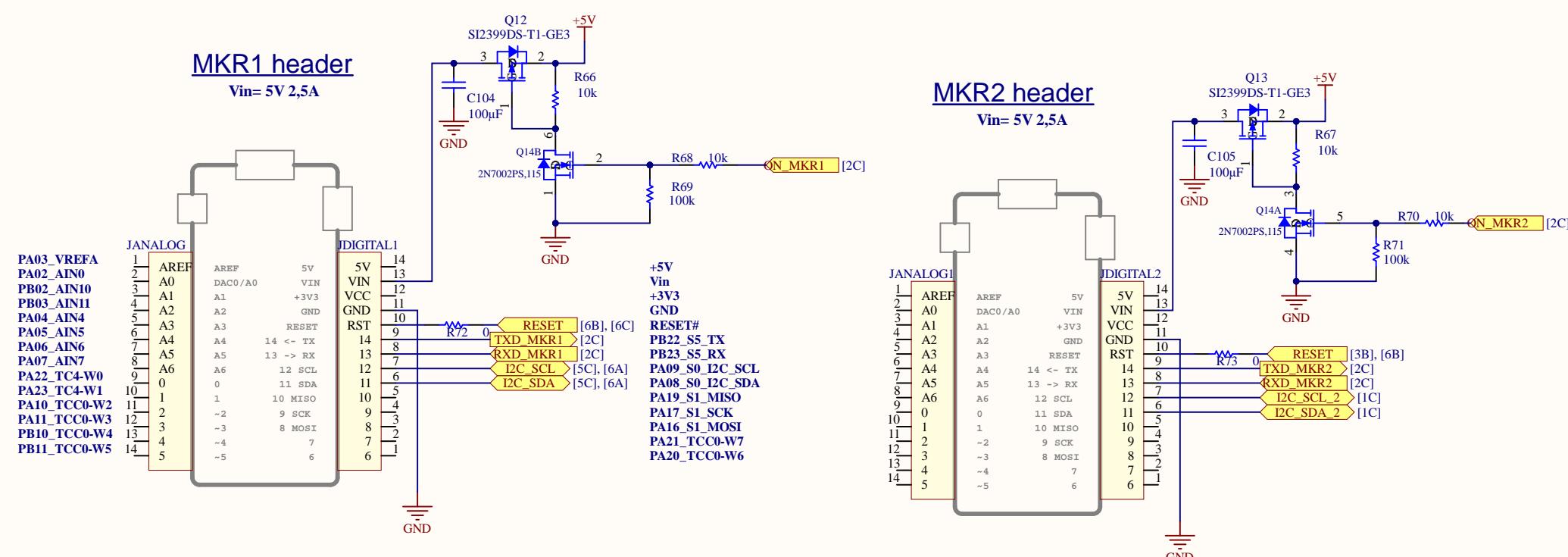
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| Title Challenge_R2DX | | |
|----------------------------------|----------------------|--------------|
| ID: * | Revision: 2 | |
| Date: 27/07/2020 | Time: 15:46:27 | Sheet 2 of 8 |
| File: 02_onoff_interrupts.SchDoc | Author: SantaJuliana | Rev author * |





[MKR Arduino Expansion](#)



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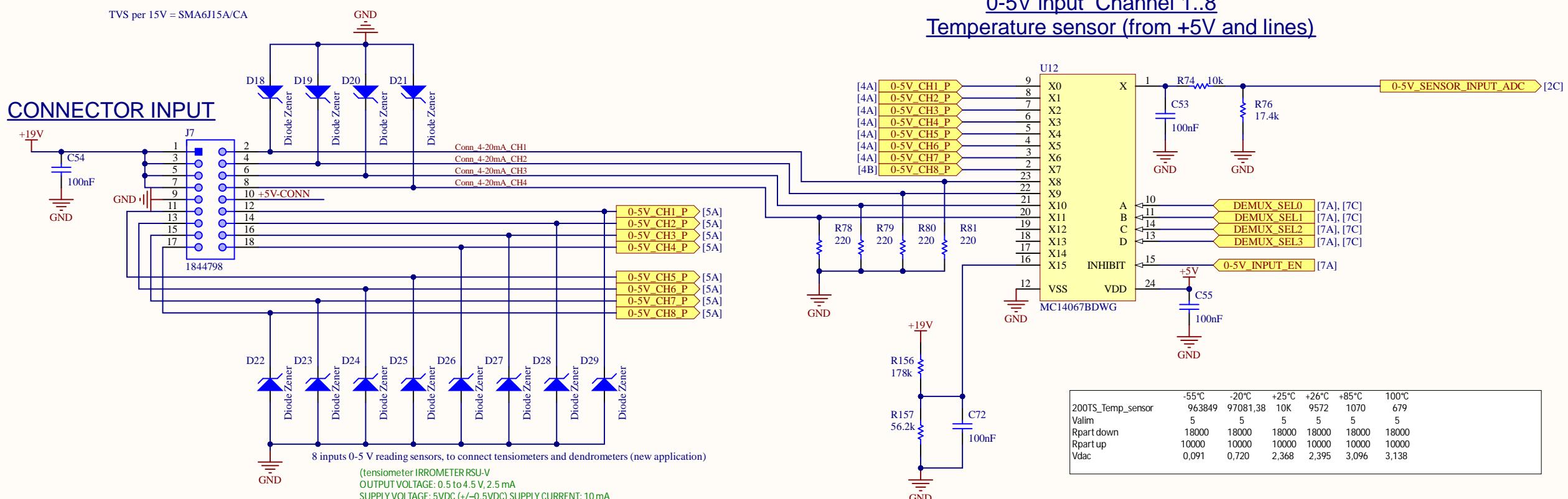
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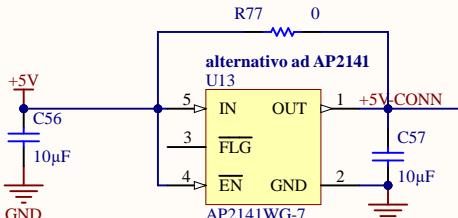
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| Date: | 27/07/2020 | Time: 15:46:30 |
| File: | 04_mkr-connectors.SchDoc | Sheet 4 of 8 |
| Author: | Santagiuliano | |
| | Roy author * | |

0-5V input Channel 1..8

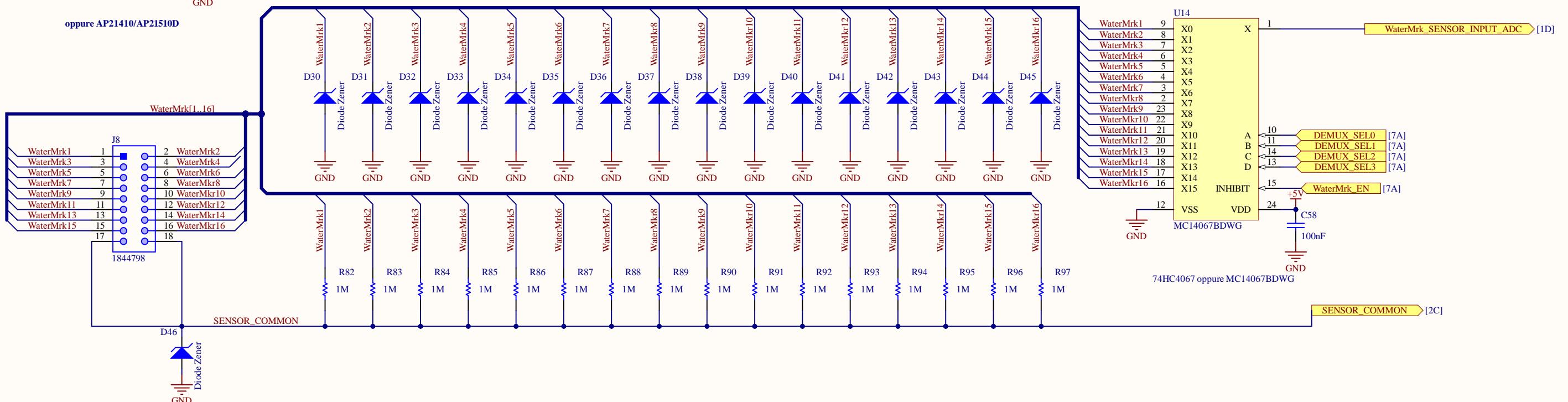
Temperature sensor (from +5V and lines)



Temperature Sensor: 200TS:
-55°C=963849
+25°C=10K
+85°C=1069.84
+100°C=678.6



INPUT WATERMARK SENSORS Channel 1..10

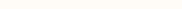


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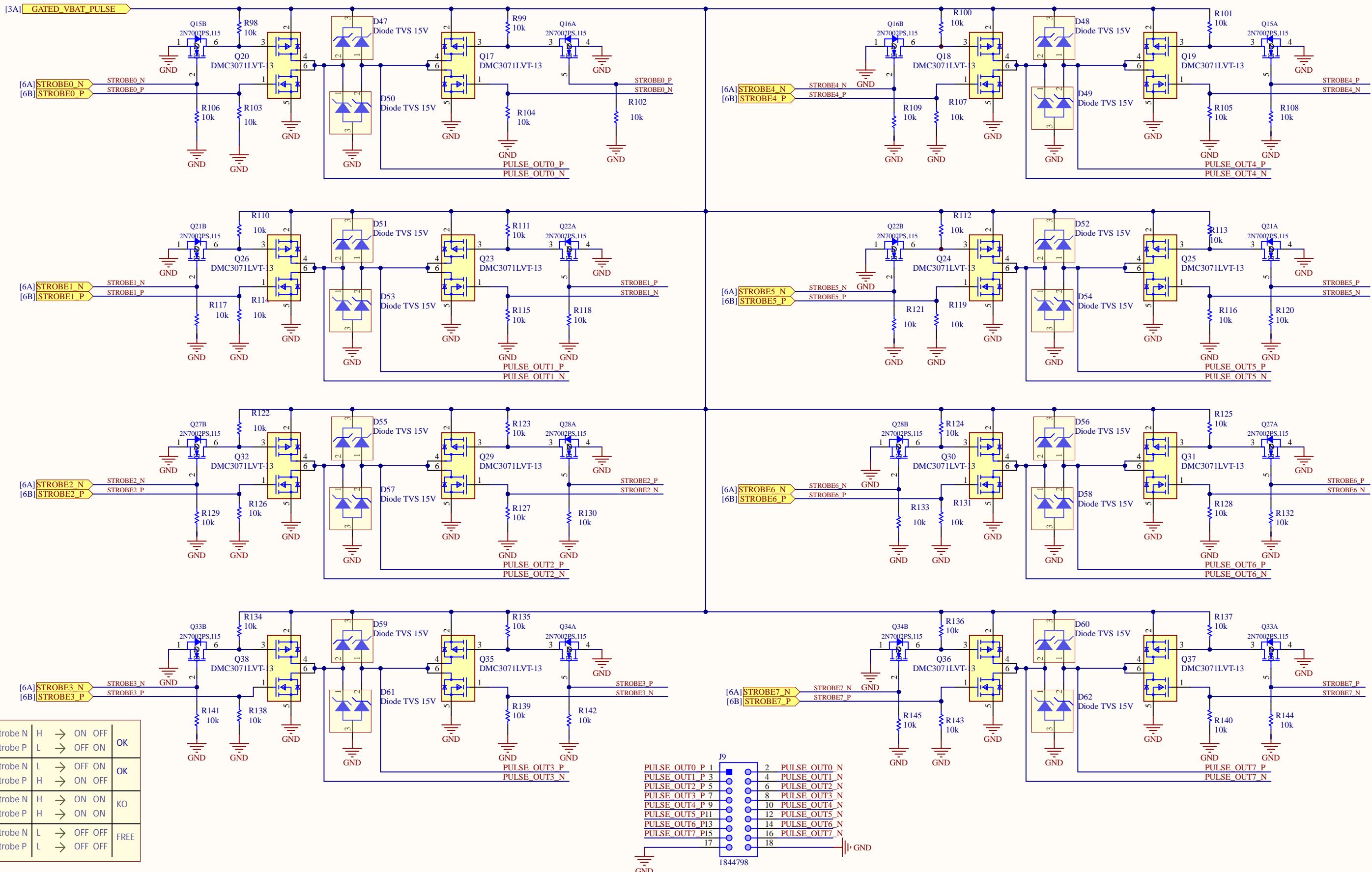
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| | | | |
|-------|----------------|---|---|
| Title | Challenge_R2DX |  |  |
| ID: | * | | |

Date: 27/07/2020 Time: 15:46:31 Sheet 5 of 8

OUT LATCHING Channel 1..8

PROTEZIONI OUTPUT CONTRO CORTOCIRCUITI?



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Title: Challenge_R2DX

ID: * Revision 2

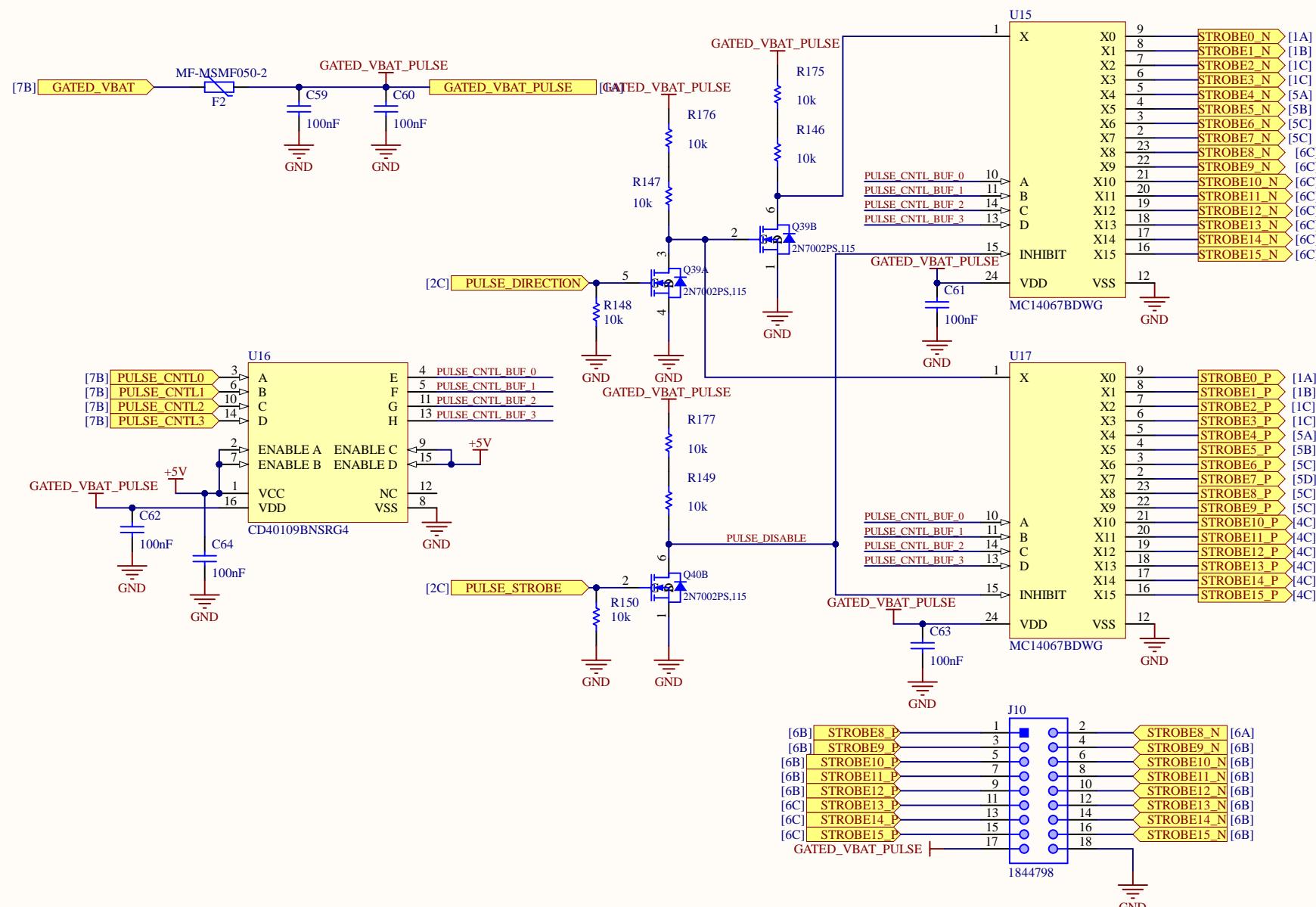
Date: 27/07/2020 Time: 15:46:32 Sheet 6 of 8

File: 06_latching_out_1-8.SchDoc Author: Santa Giuliana



A

OUT LATCHING COMMANDs Channel 1..8



B

A

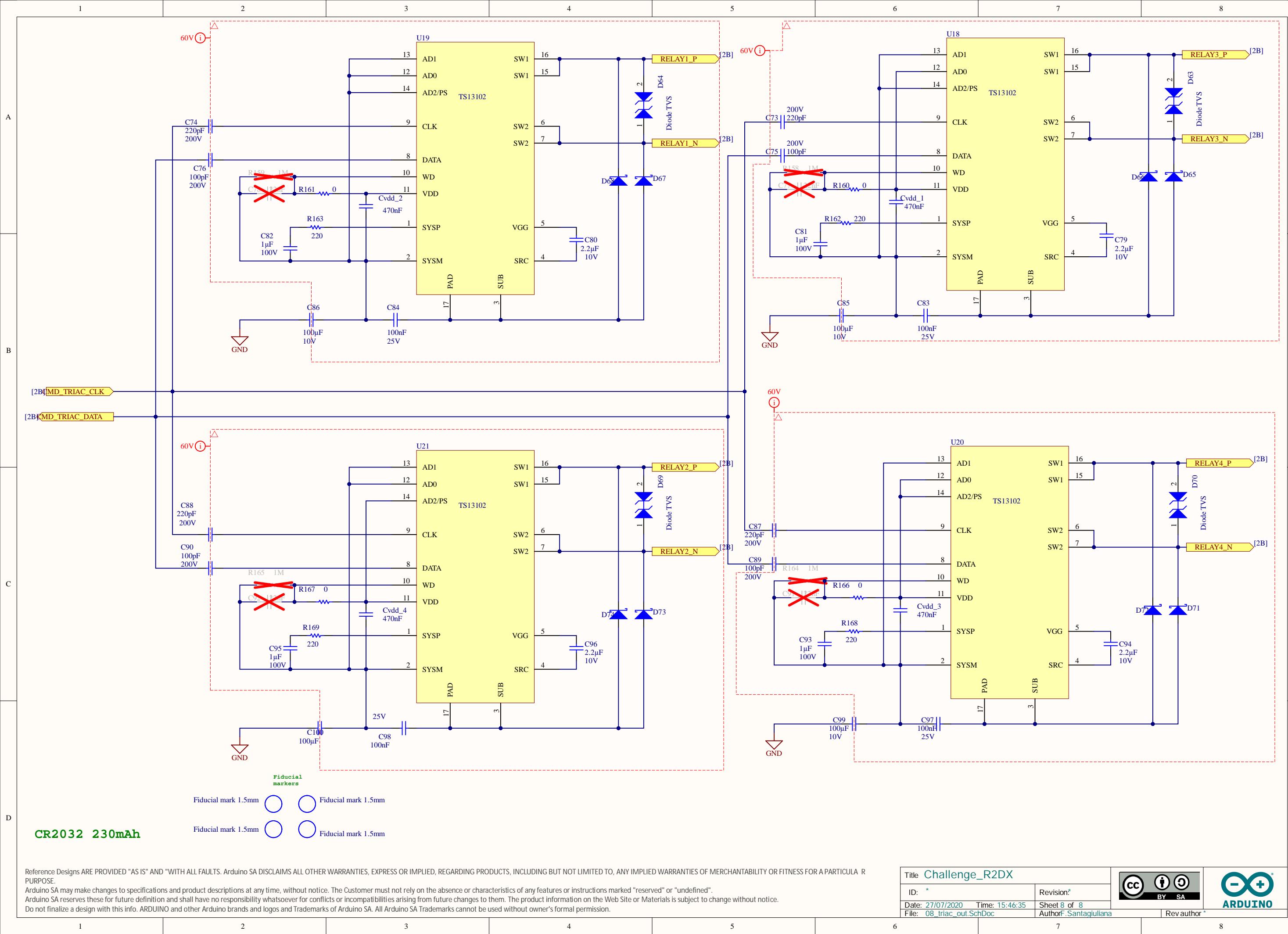
B

C

C

D

D



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