

MCU

File: mcu.kicad_sch

Sensors

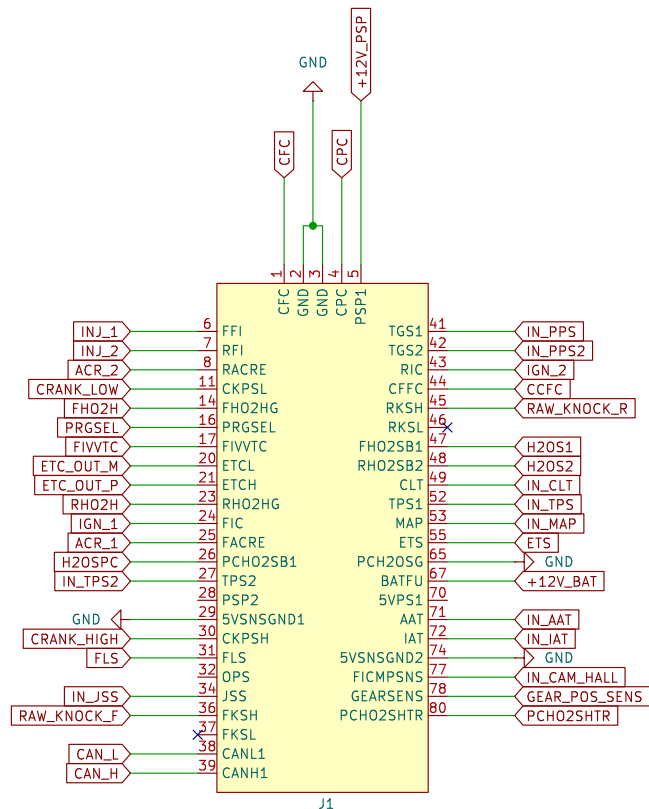
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Bluetooth

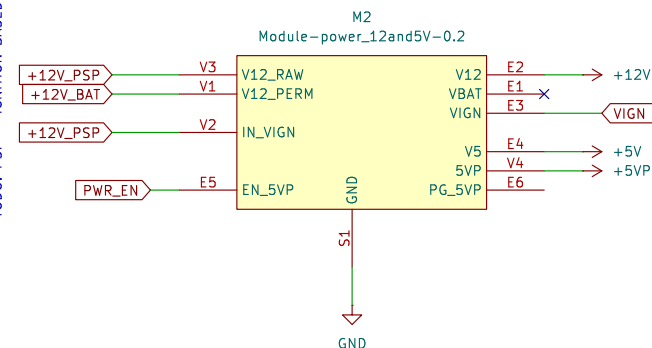
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Outputs

File: outputs.kicad_sch

TODO:**Do we need to connect PSP2? Like connect it directly to PSP1 or sth? Measure at OEM ECU.****DONE: GEARSSENS analyze the signal -> Kind of analog?****DONE: AM POSITION = FICMPSNS Hall effect or what is that?****Knock Sensor LOW signals not needed?**

TODO: PSP = IGNITION BASED?



GND ← TP1 TestPoint_Probe
 +3V3 ← TP2 TestPoint_Probe
 +5V ← TP3 TestPoint_Probe
 +12V ← TP4 TestPoint_Probe
 +3V3SW ← TP5 TestPoint_Probe

FID1 Fiducial
 FID2 Fiducial
 FID3 Fiducial
 FID4 Fiducial

Hellen-Bremen

Sheet: /
File: hellenbremen.kicad_sch

Title:

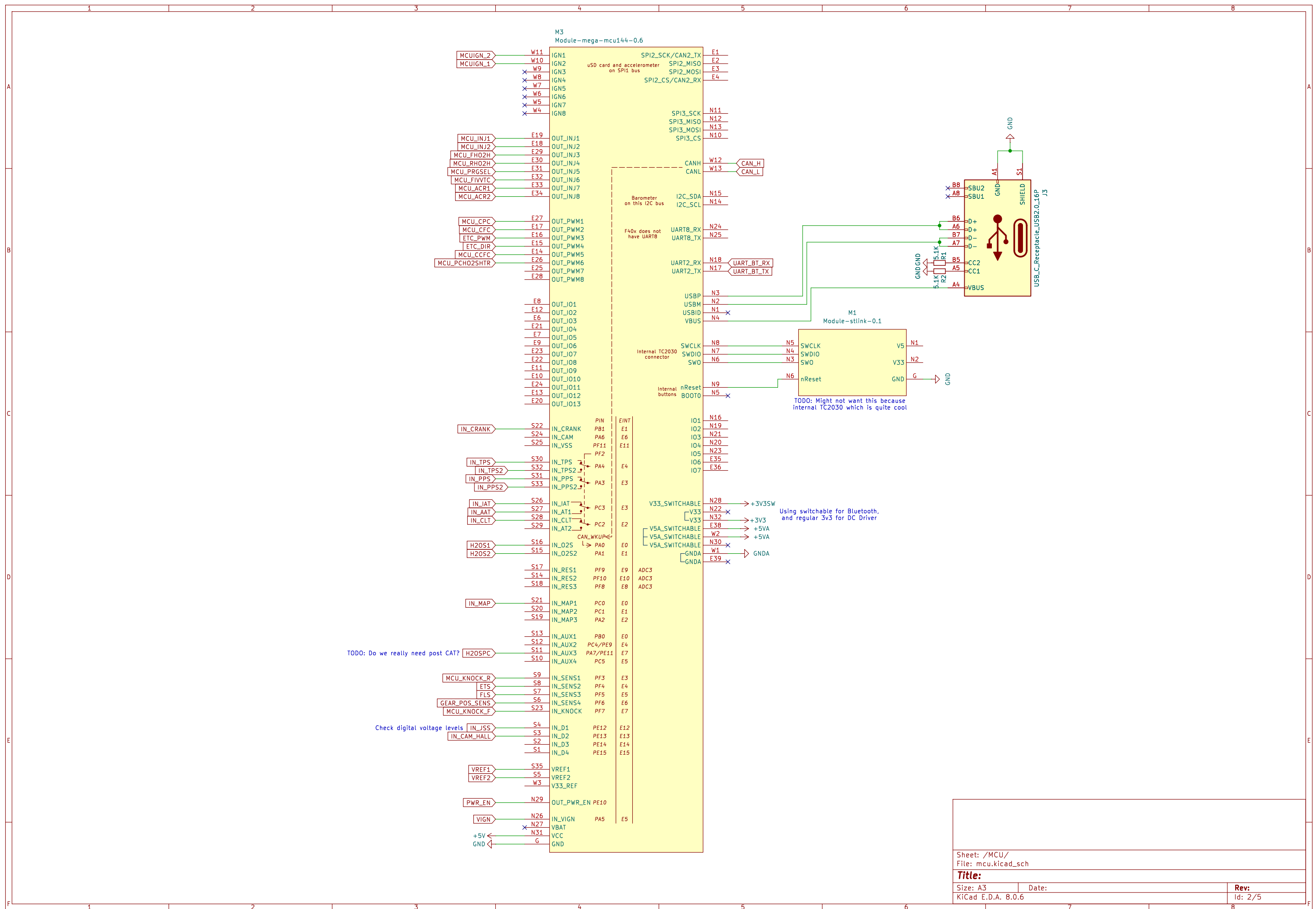
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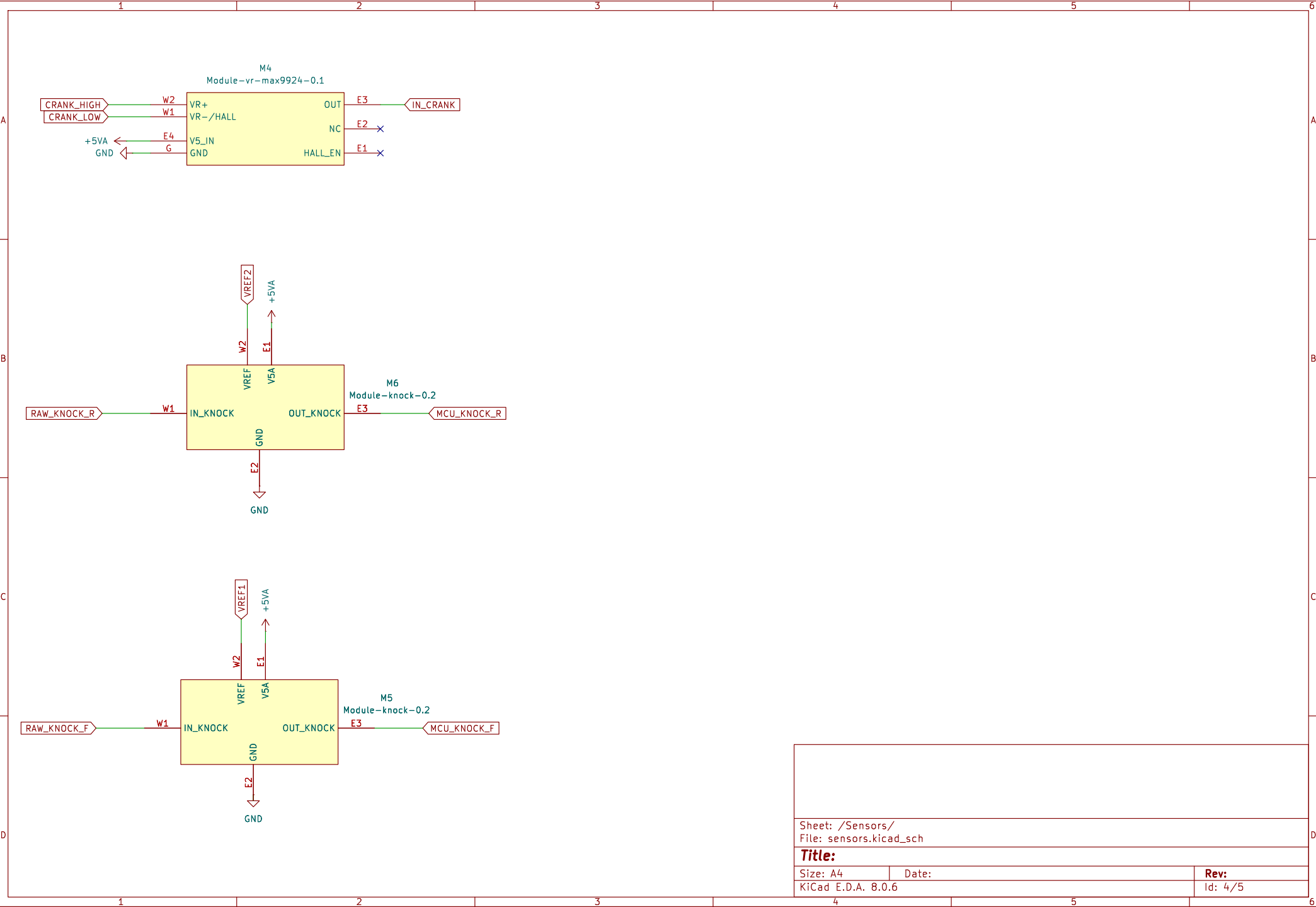
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KiCad E.D.A. 8.0.6

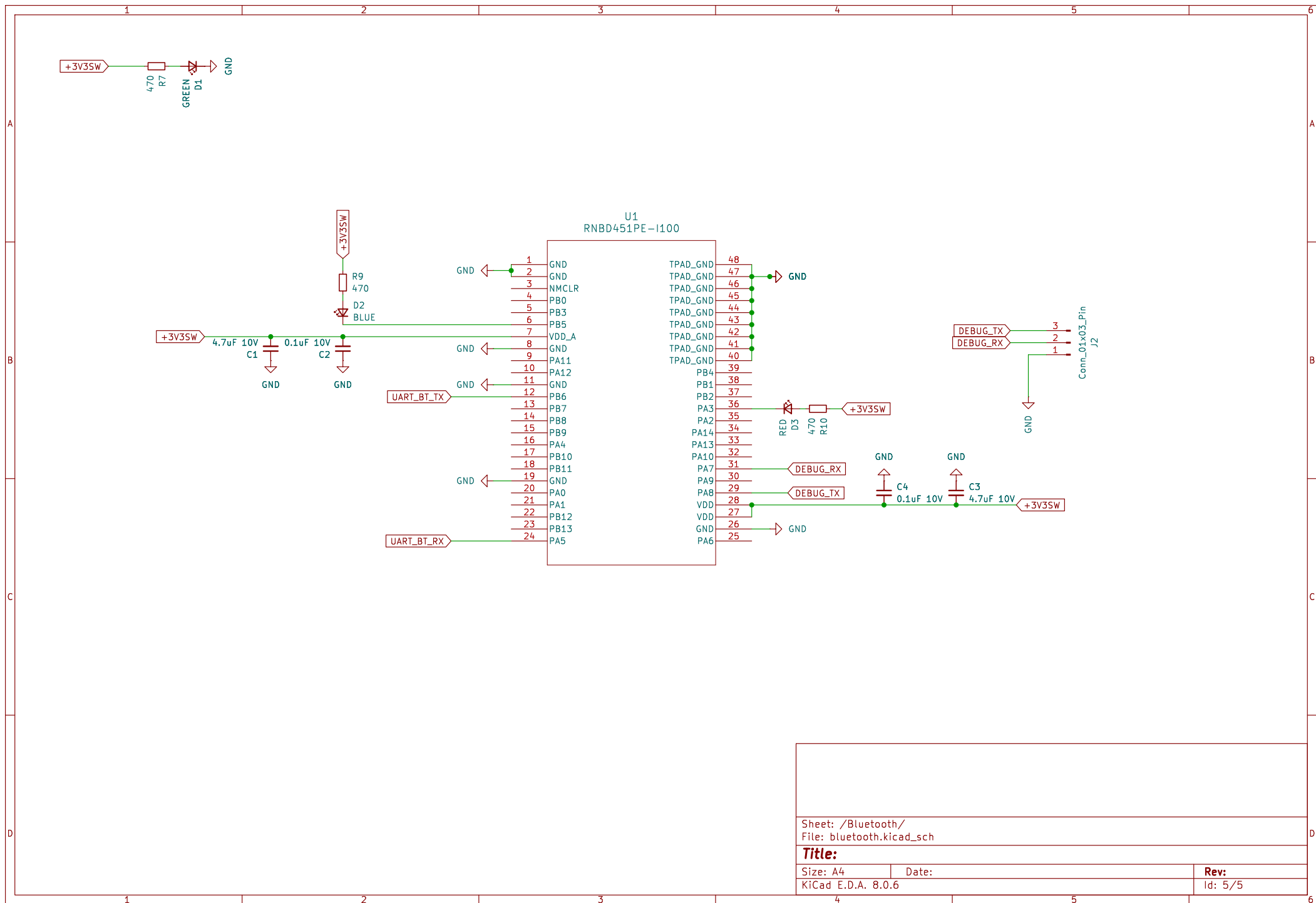
Rev: A

Id: 1/5



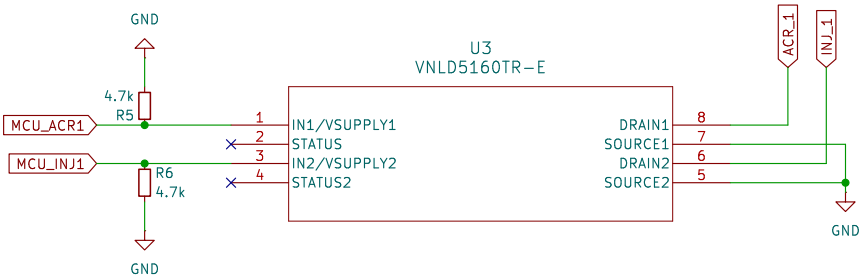
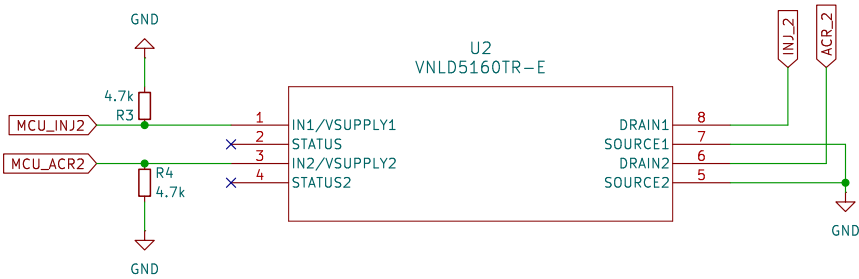


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Size: A4	Date:	Rev:
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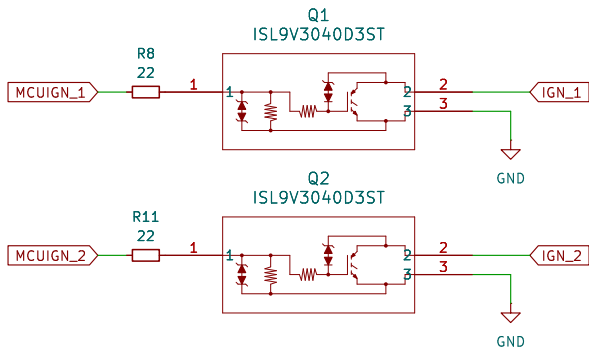


INJECTORS & ACR

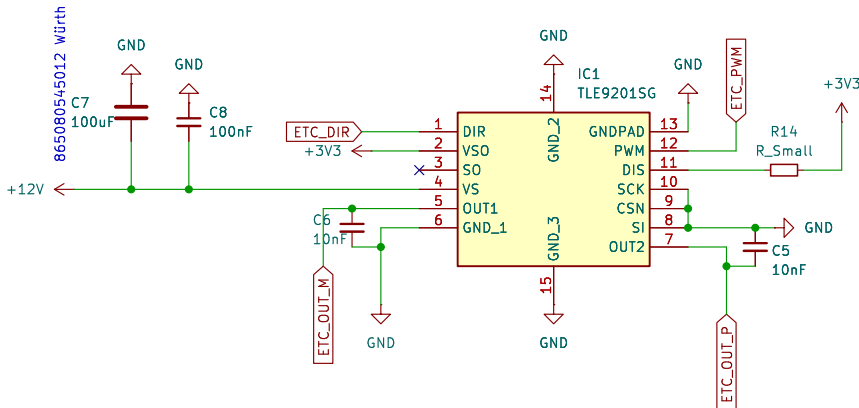
INJECTORS MEASURED TO TAKE AROUND 1A EACH



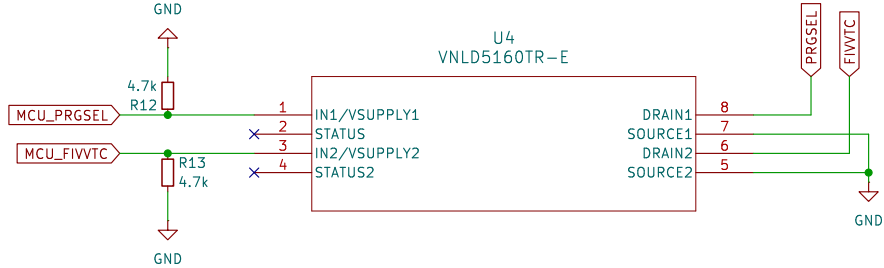
IGNITION



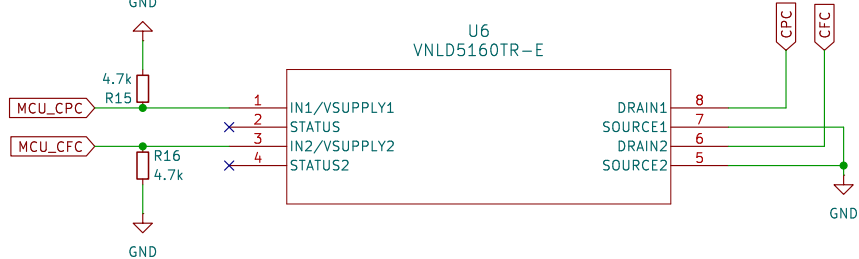
Electronic Throttle



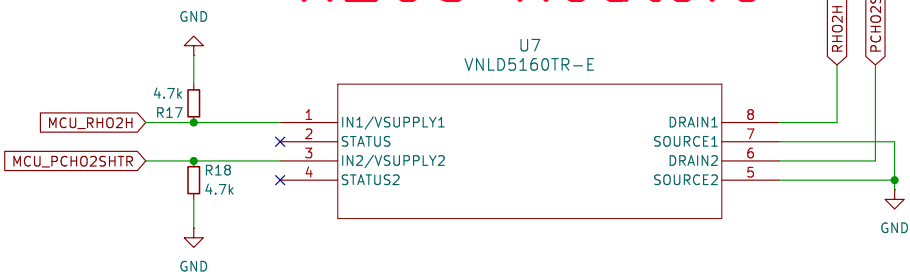
PURGE & VVT SOLENOIDS



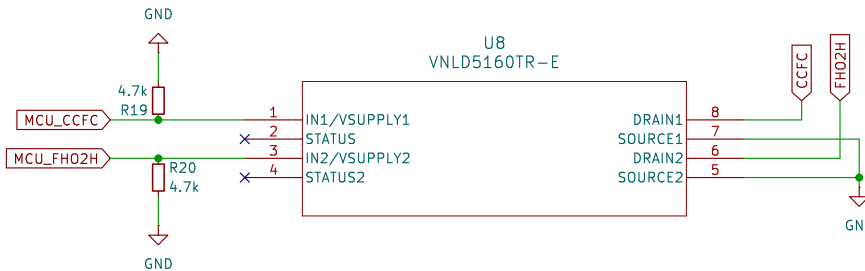
COOLANT FAN & PUMP

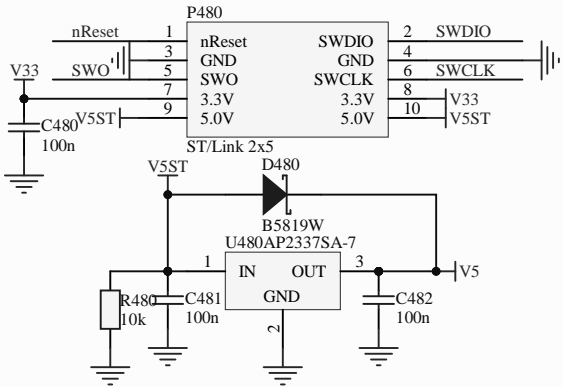
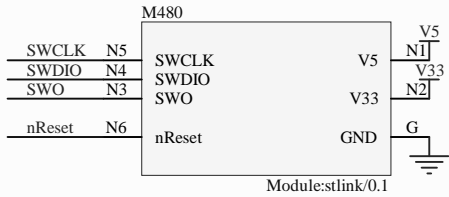


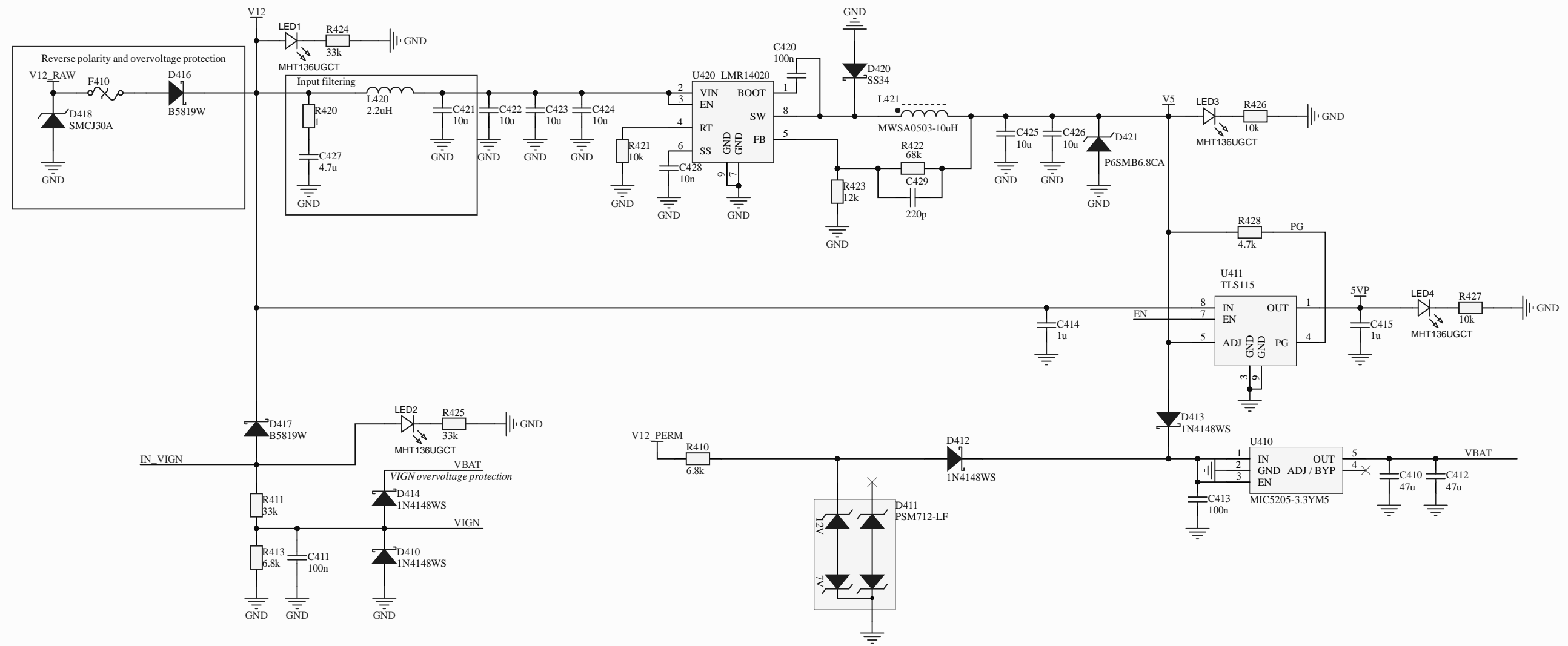
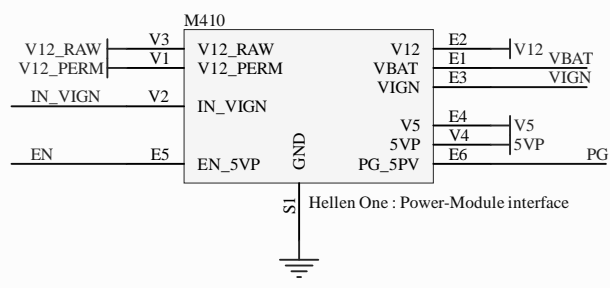
H2OS Heaters

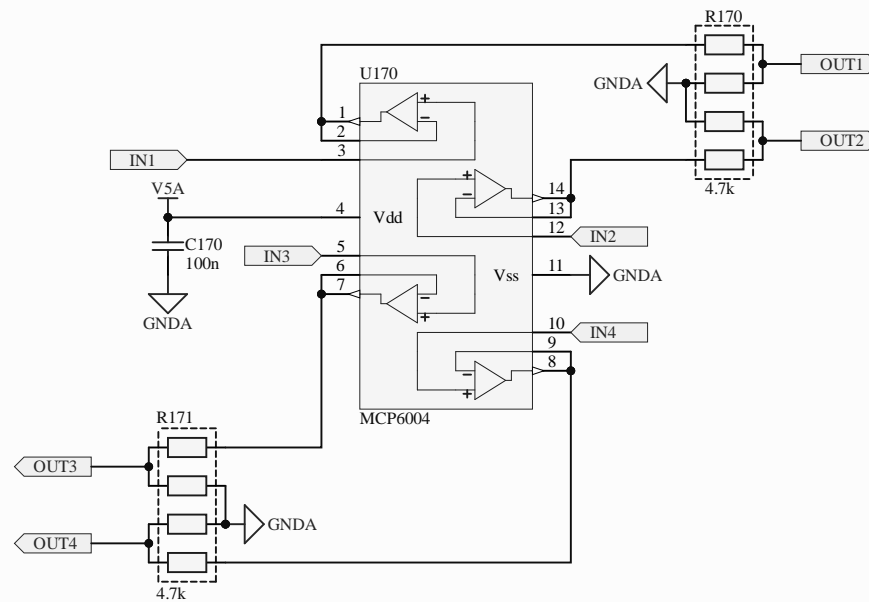


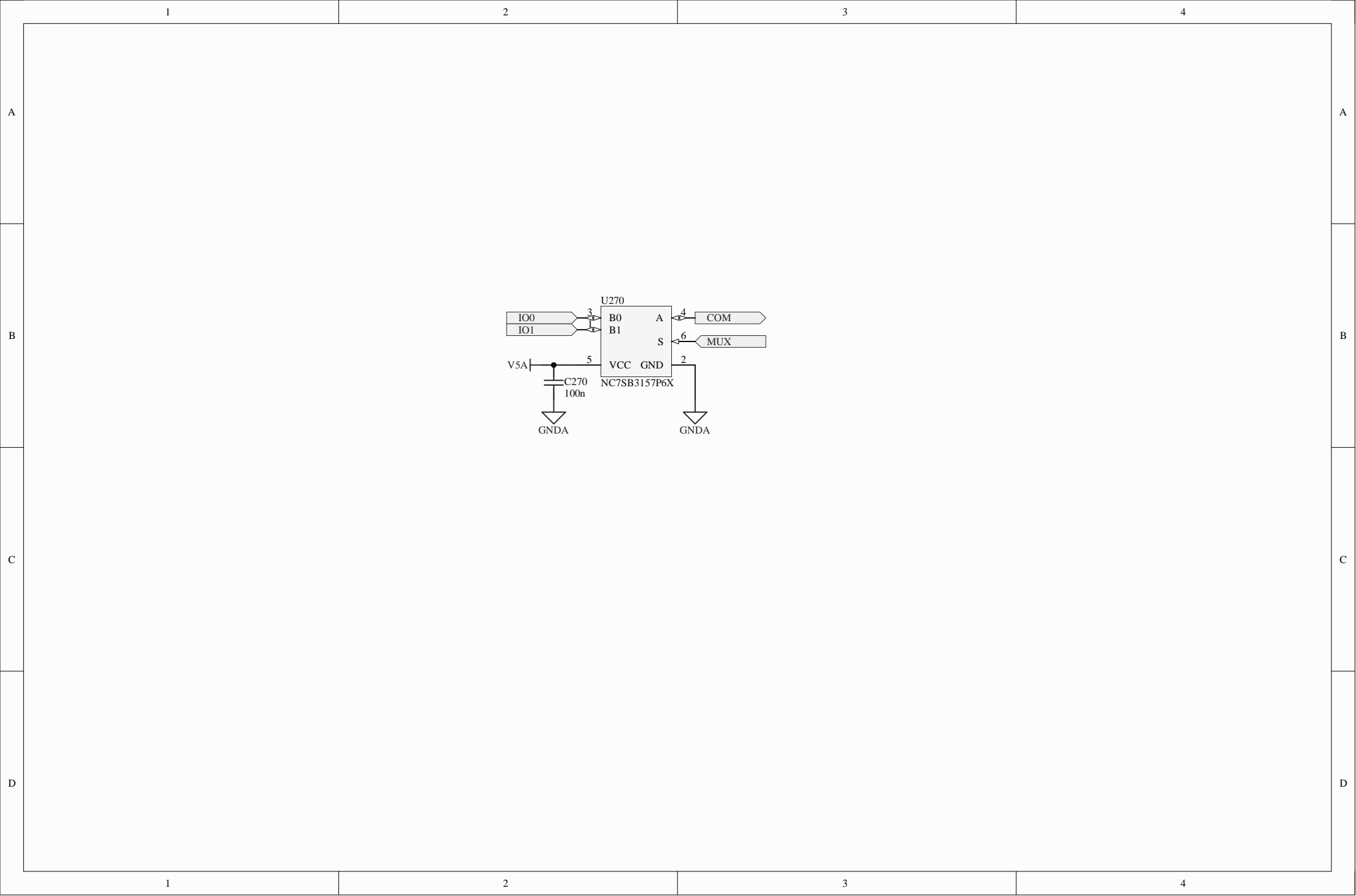
CCFC & H02HTR

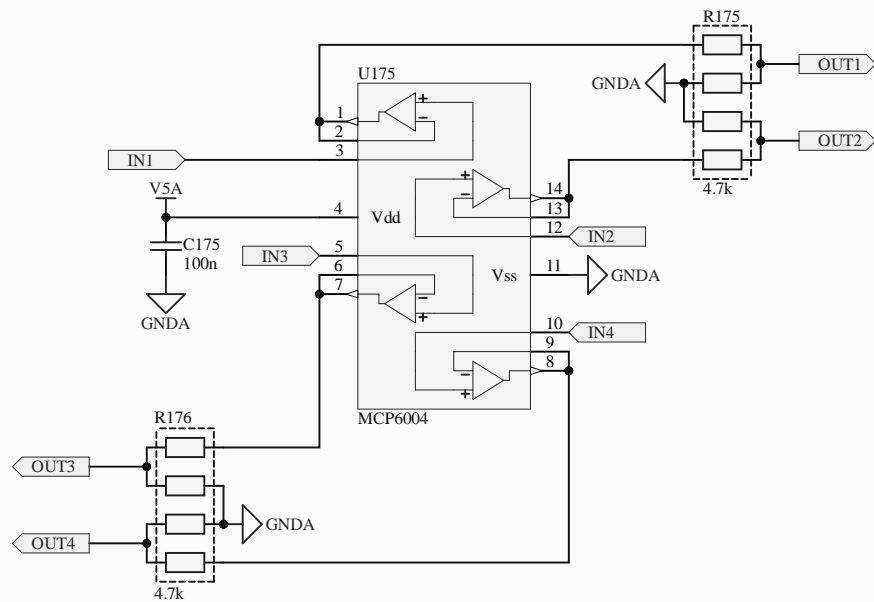


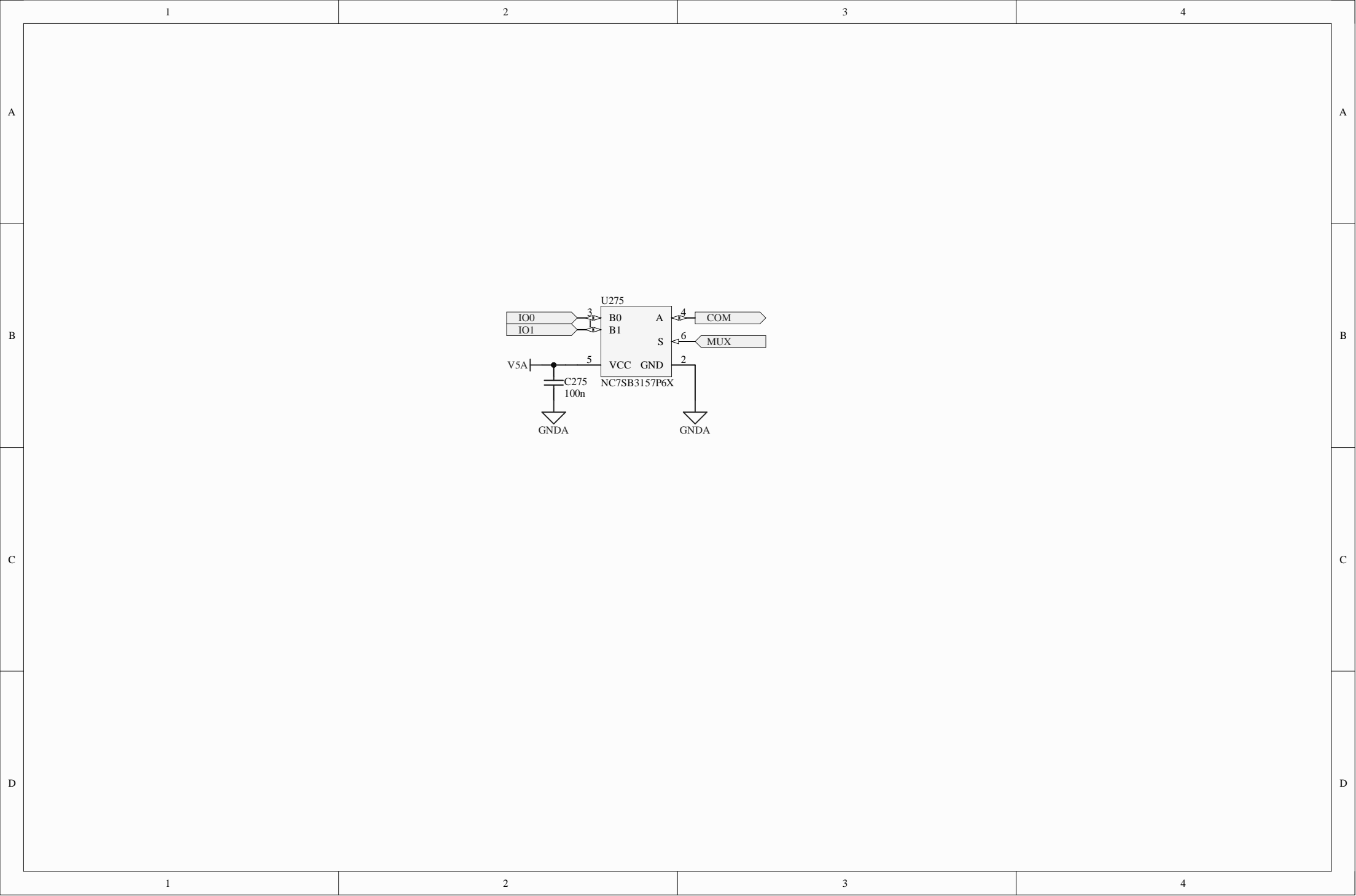


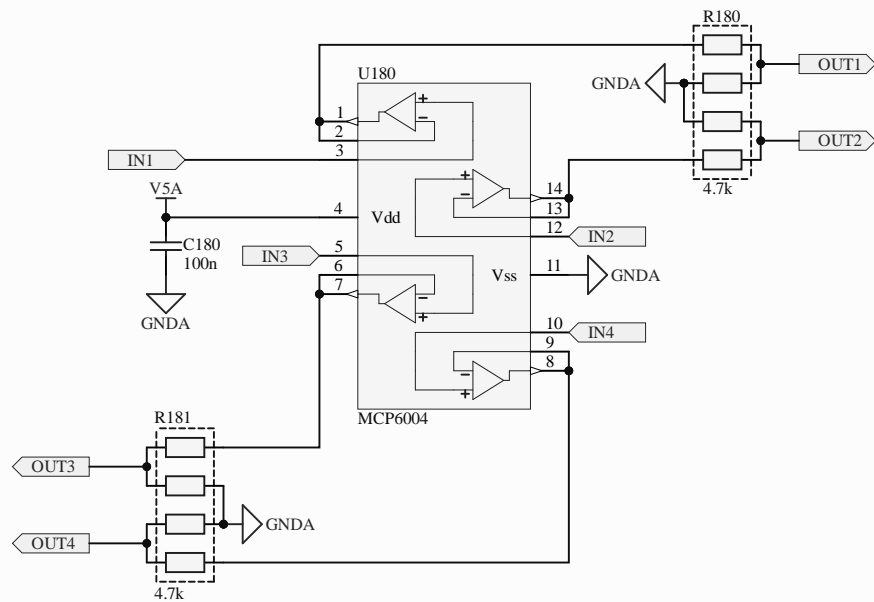


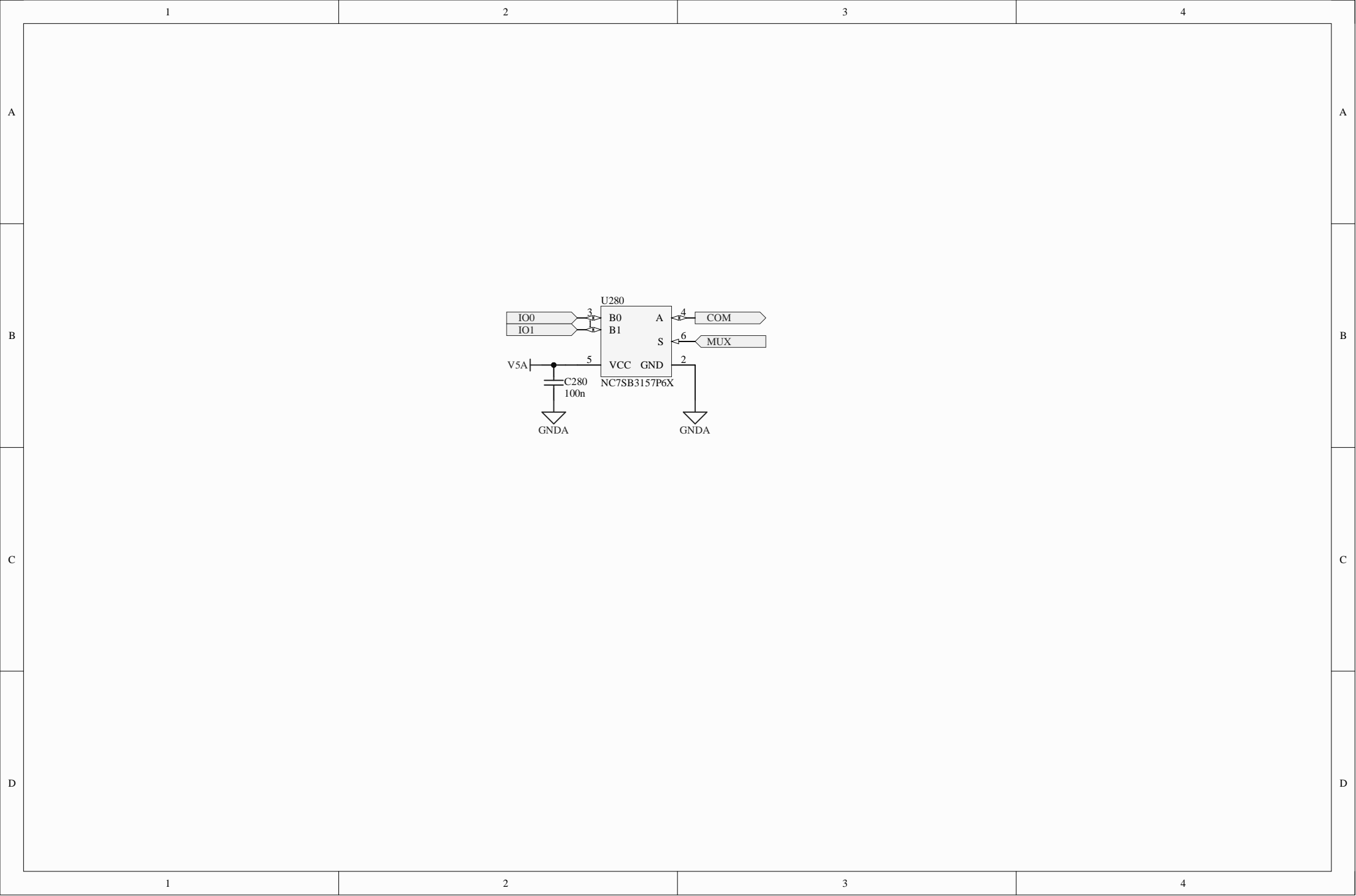


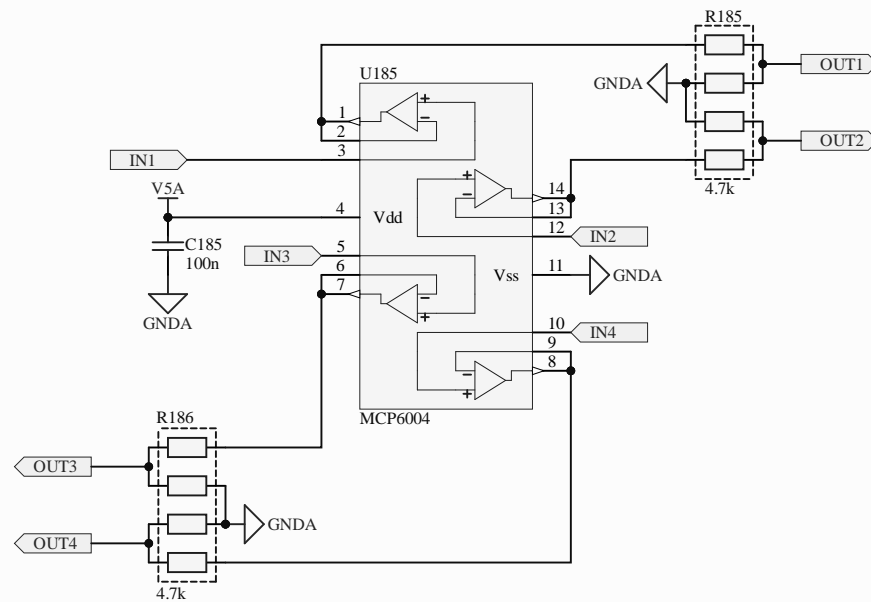


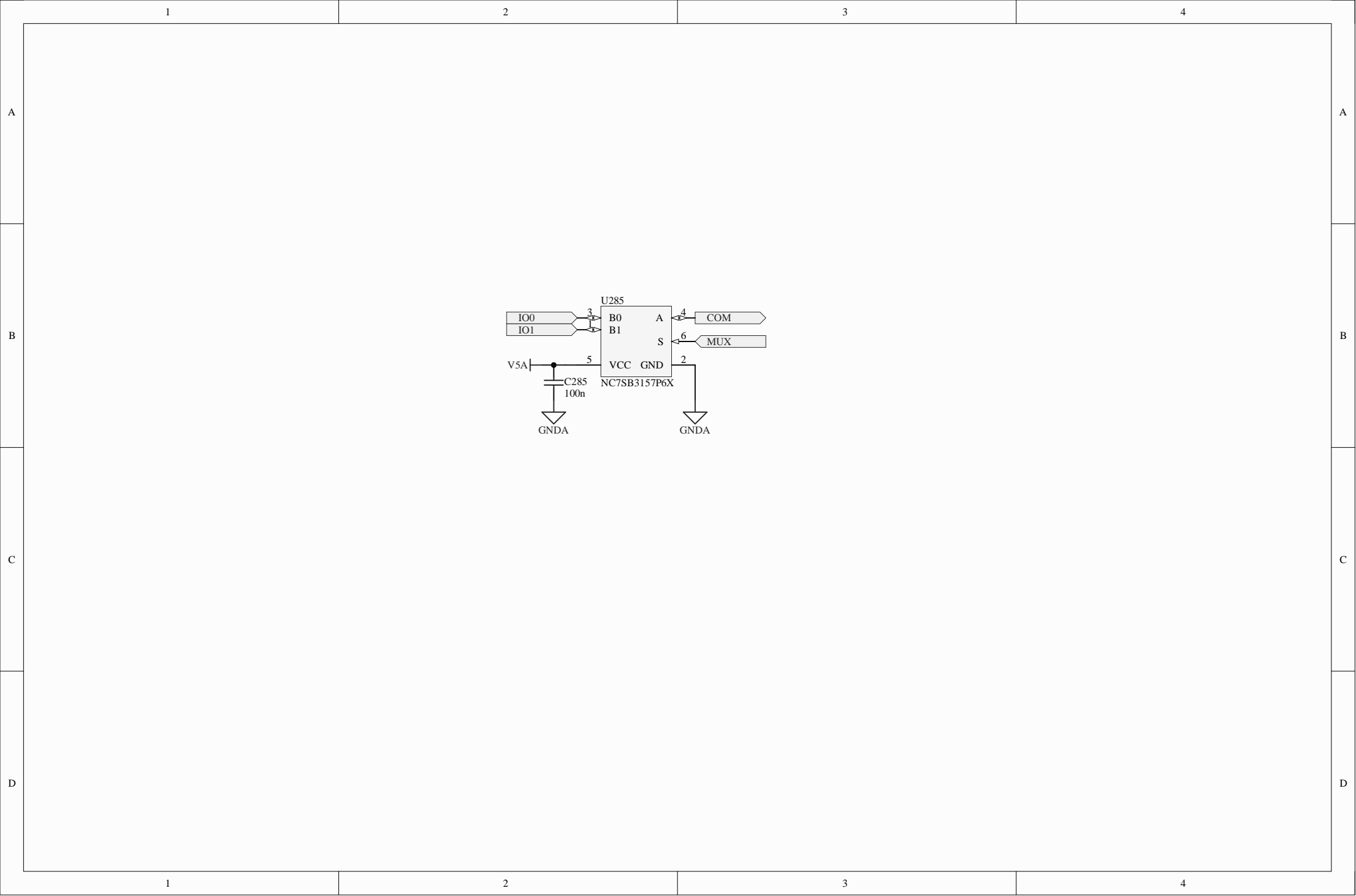


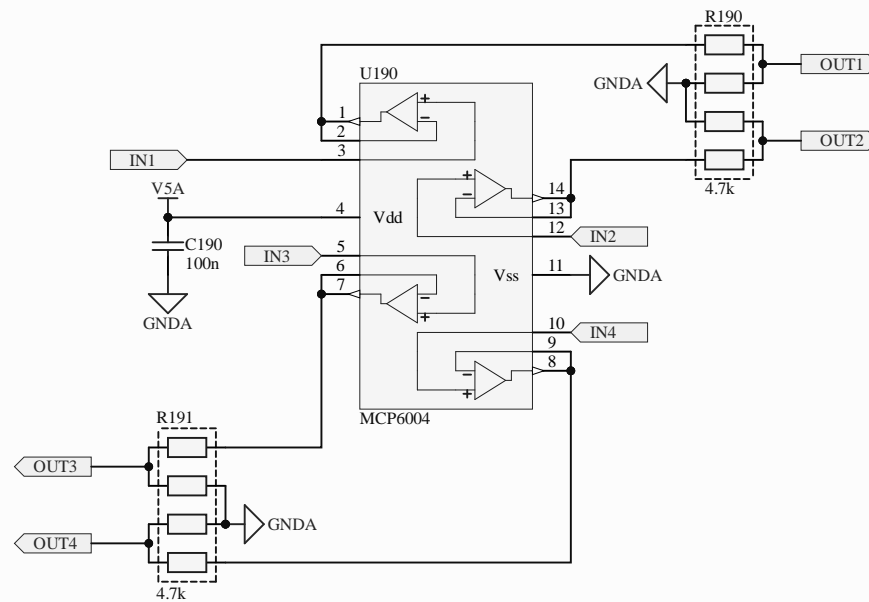




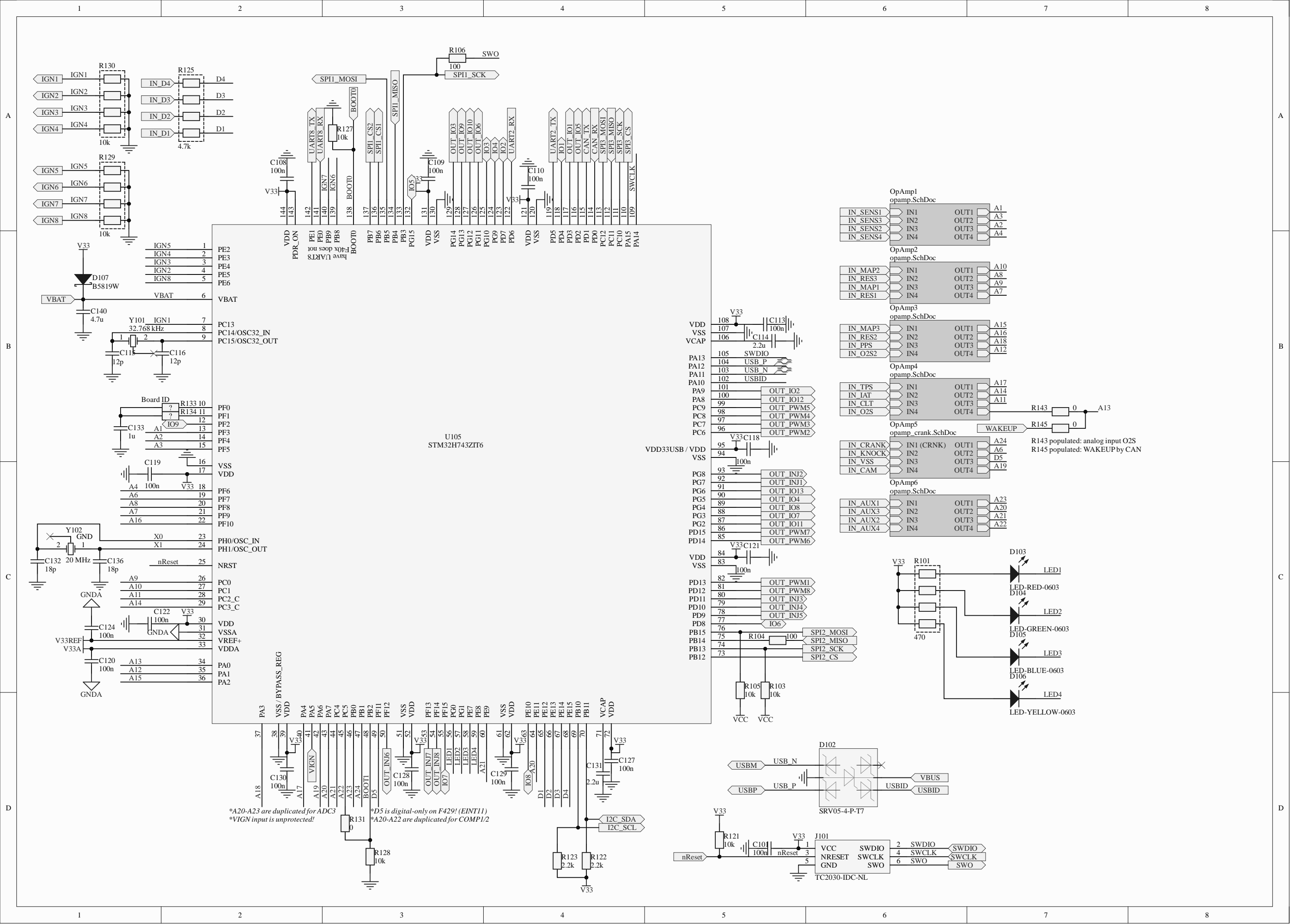












A

A

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C

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D

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E

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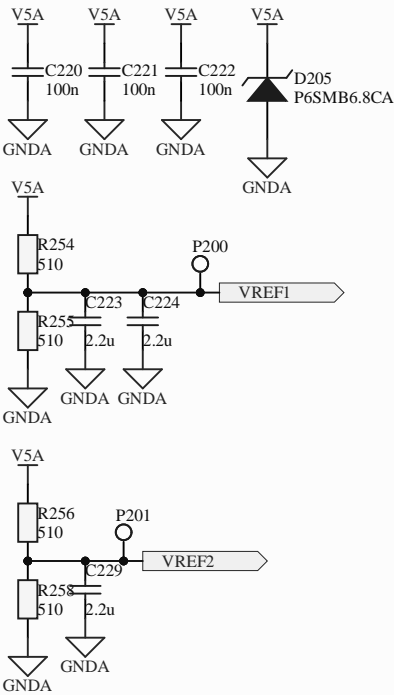
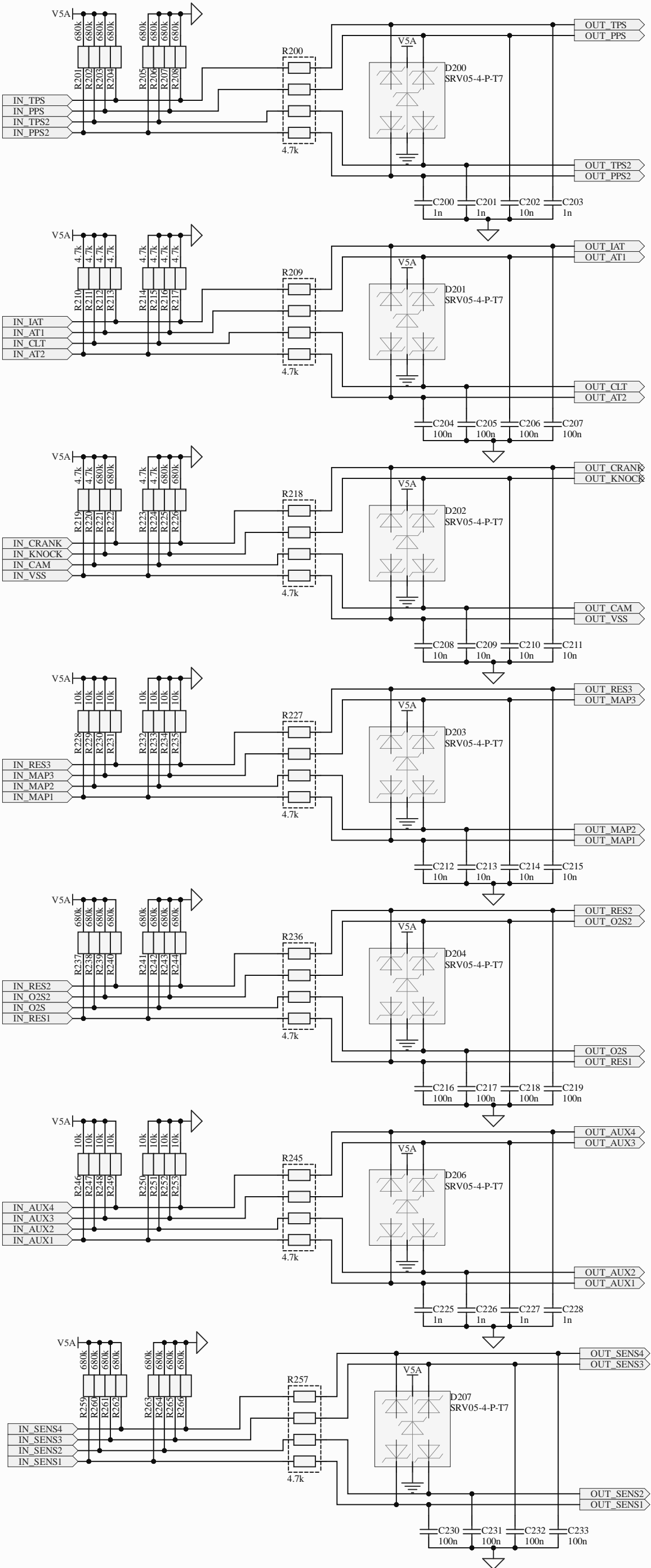
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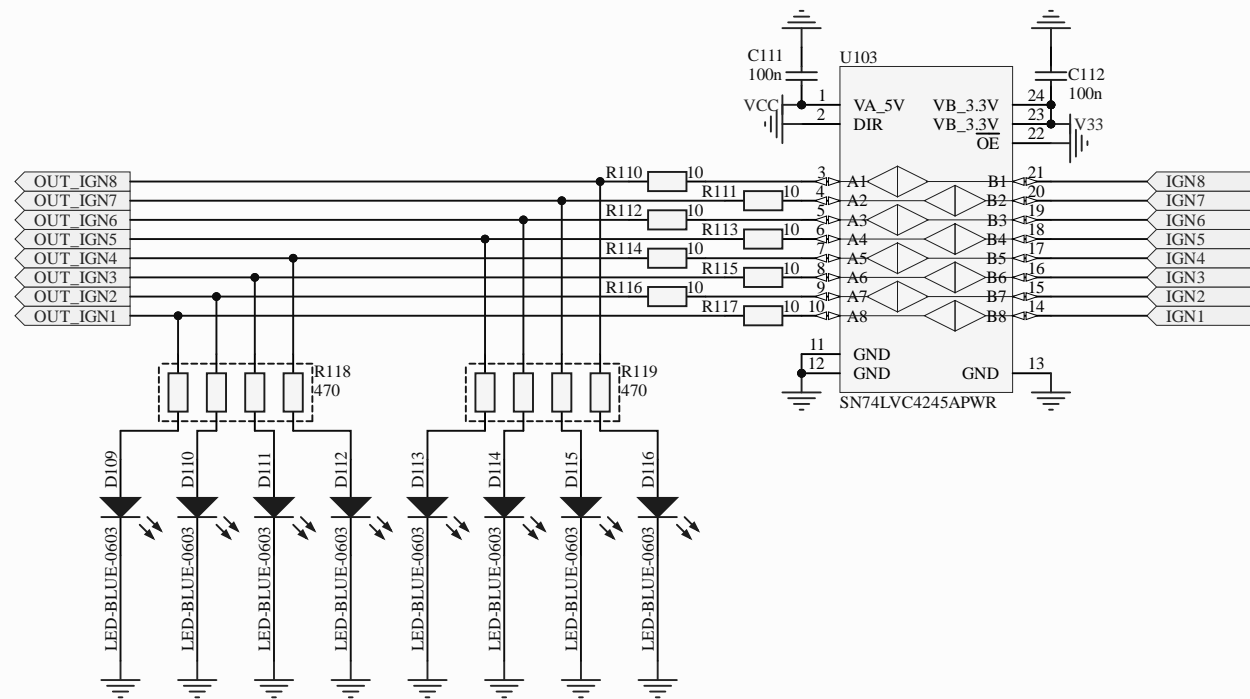
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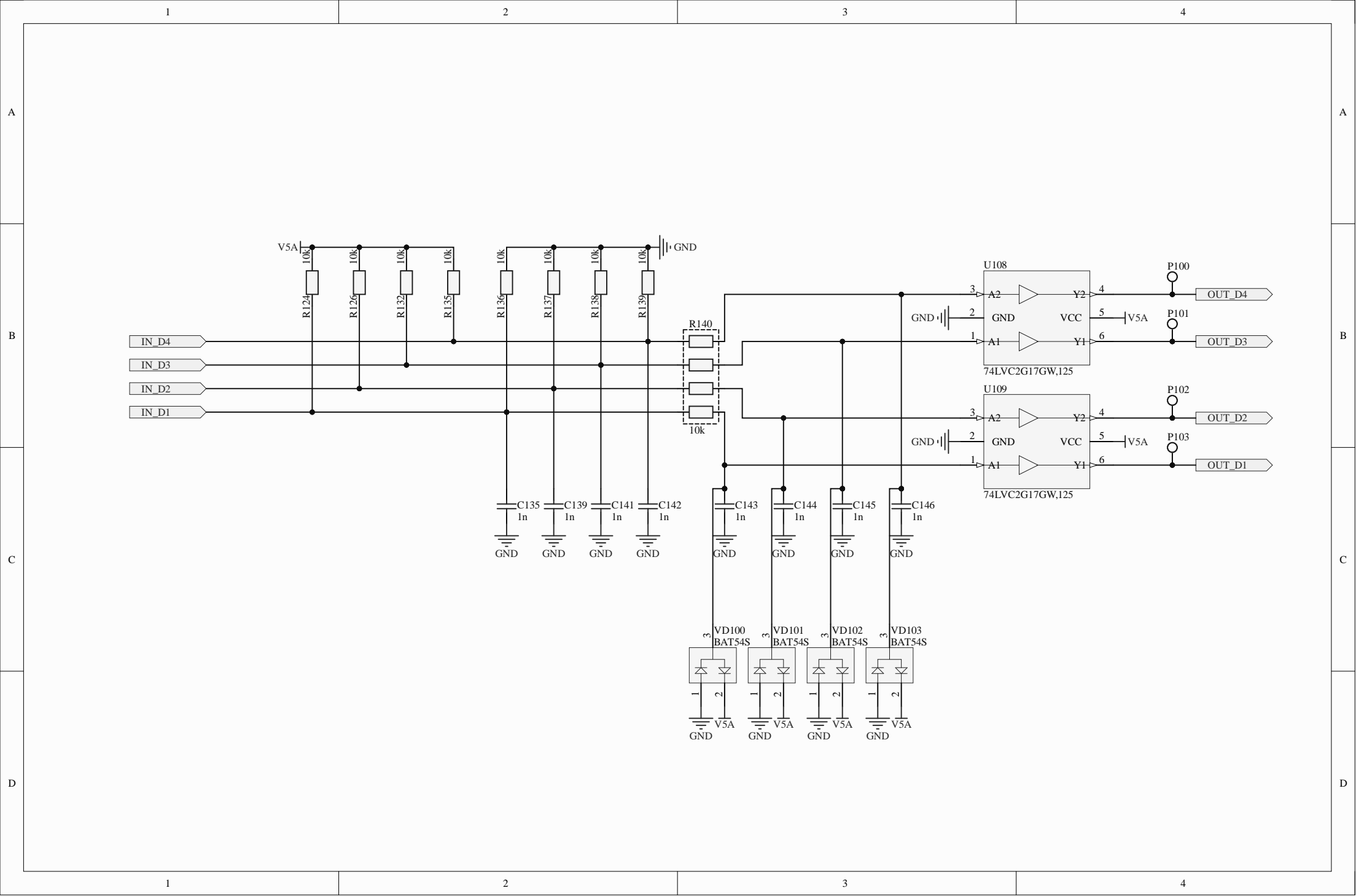
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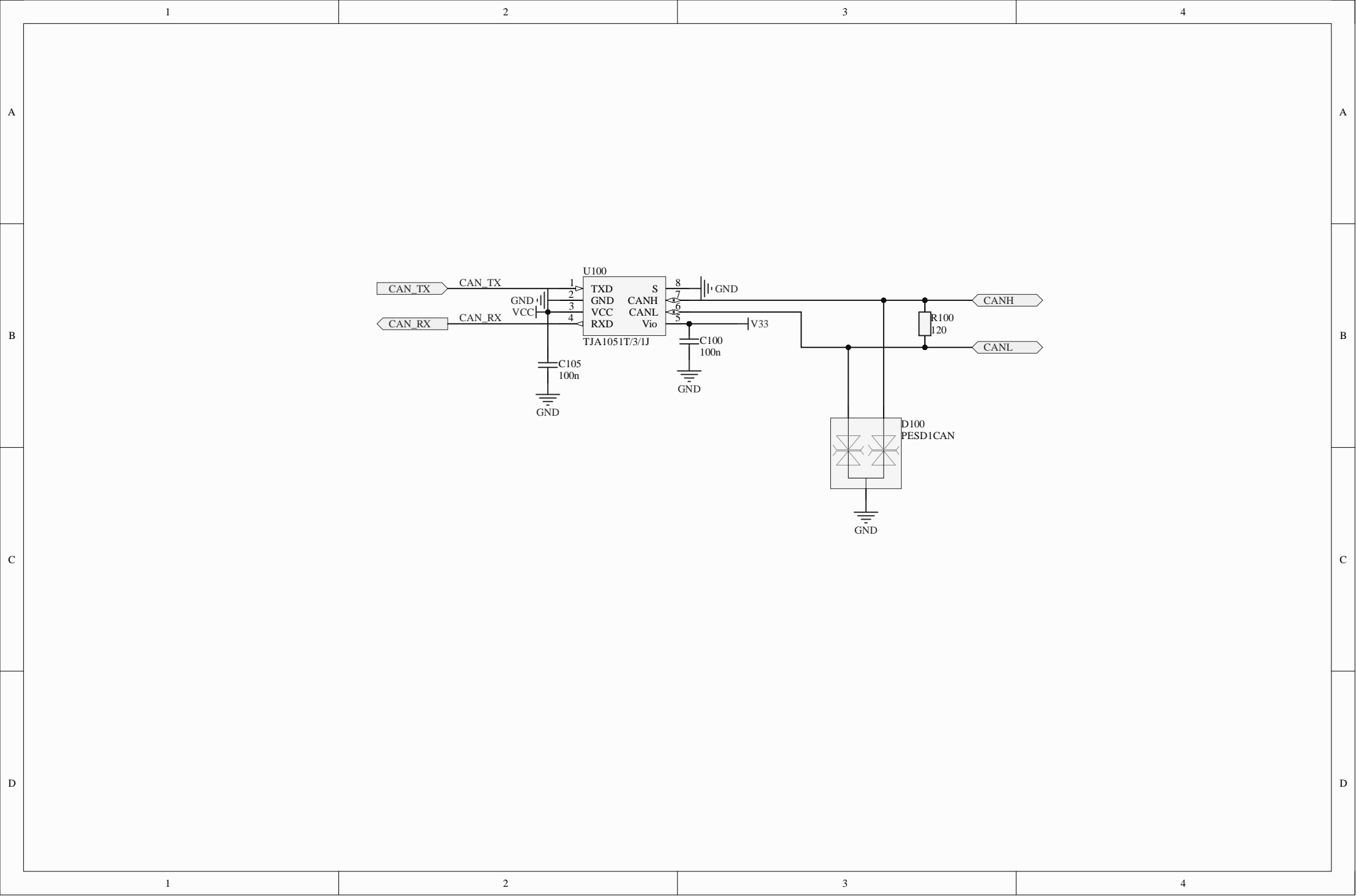
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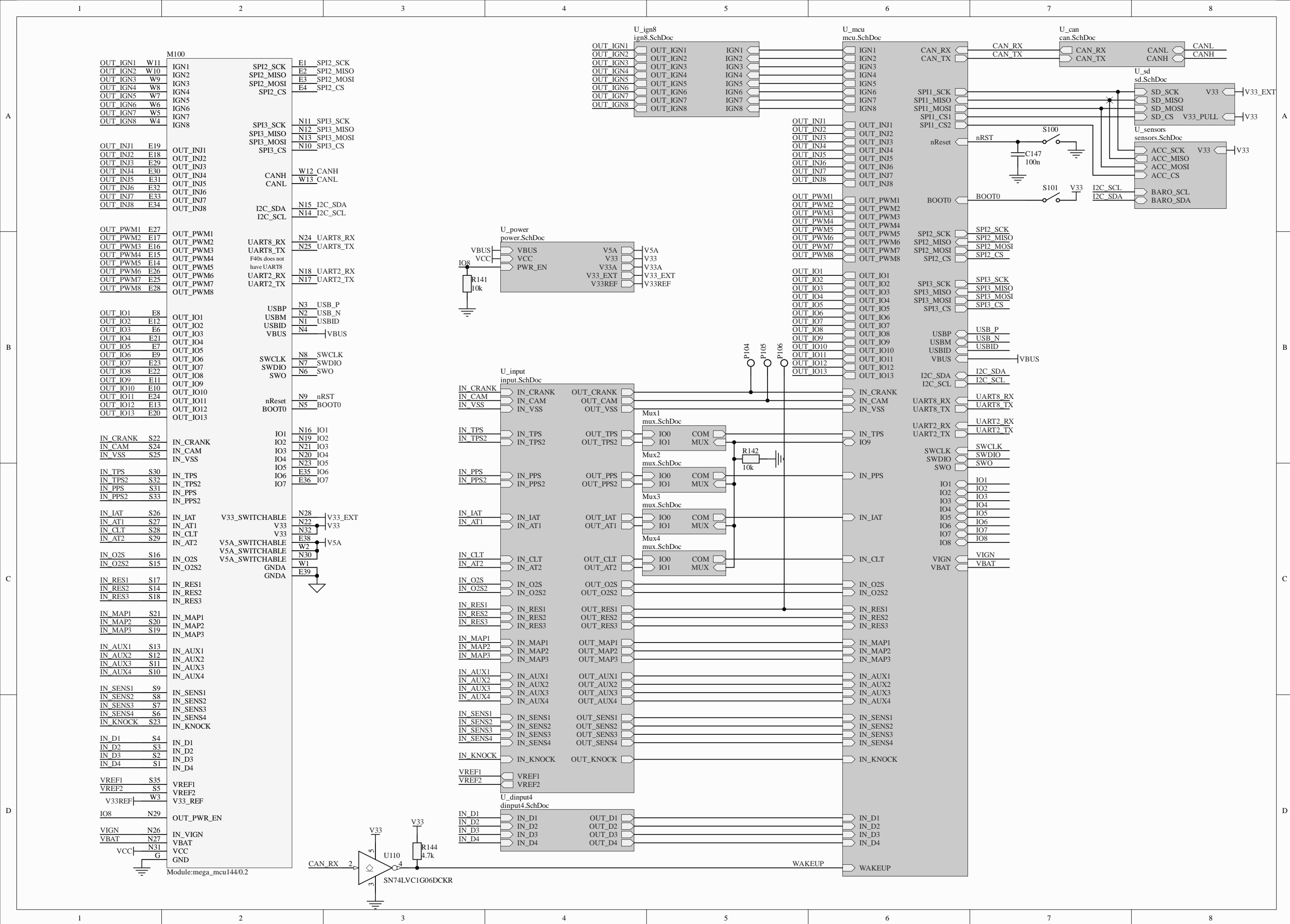
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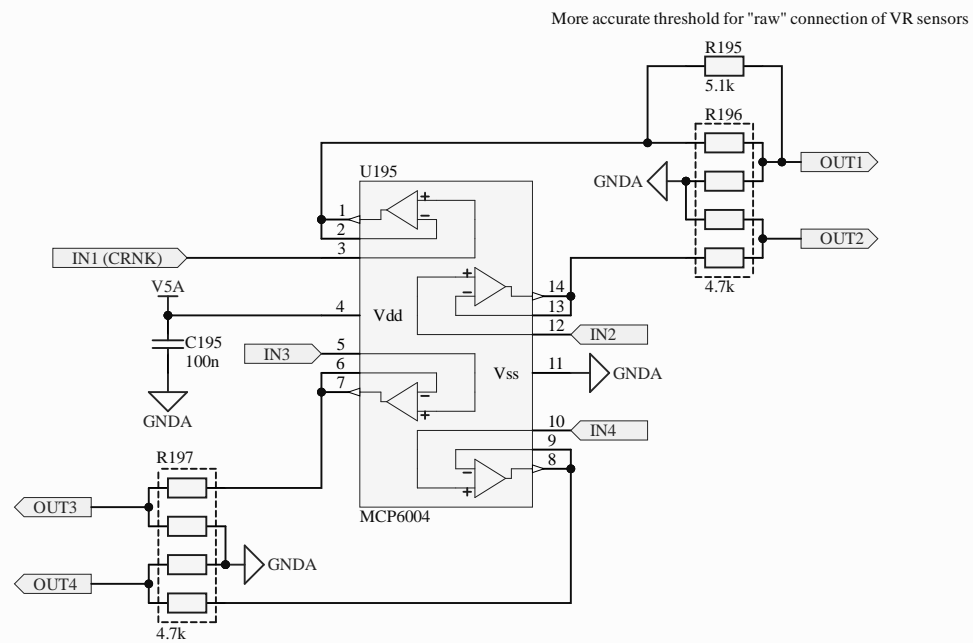


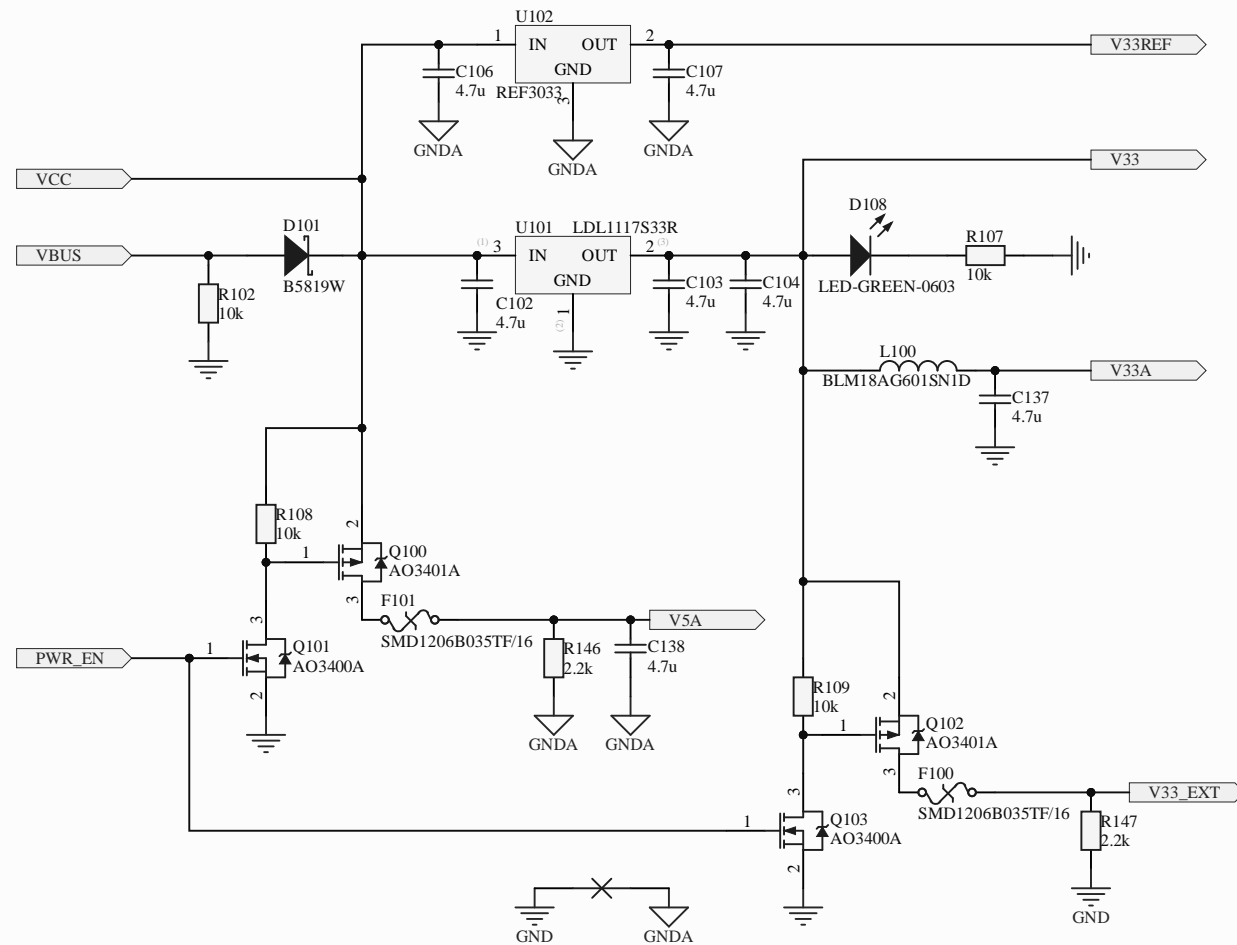












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