

MCU

File: mcu.kicad_sch

Sensors

File: sensors.kicad_sch

Bluetooth

File: bluetooth.kicad_sch

Outputs

File: outputs.kicad_sch

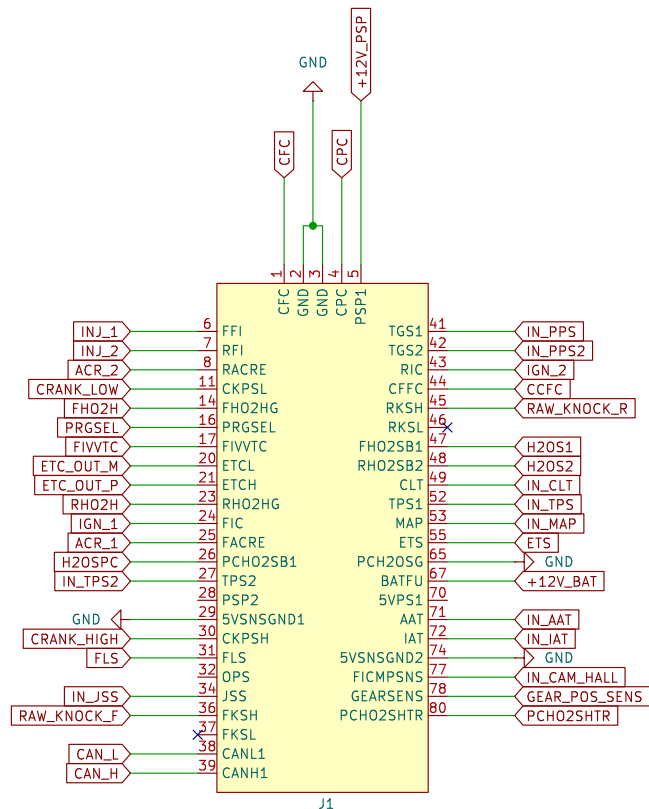
TODO:

Do we need to connect PSP2? Like connect it directly to PSP1 or sth? Measure at OEM ECU.

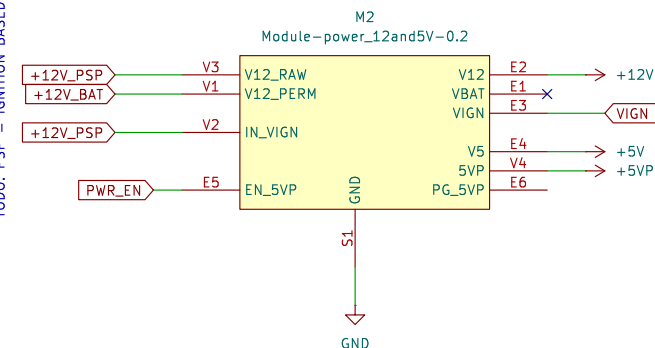
DONE: GEARSSENS analyze the signal -> Kind of analog?

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:

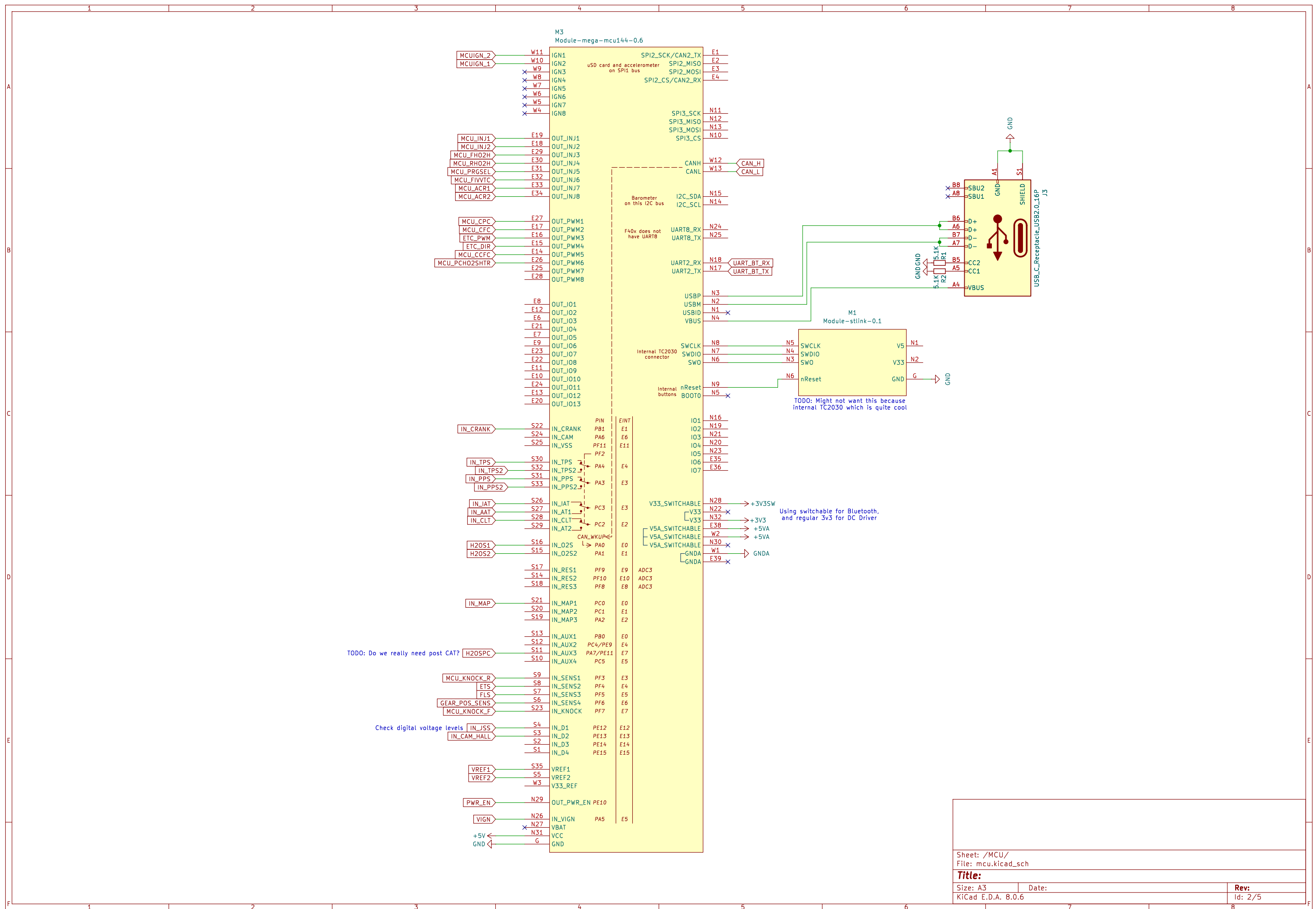
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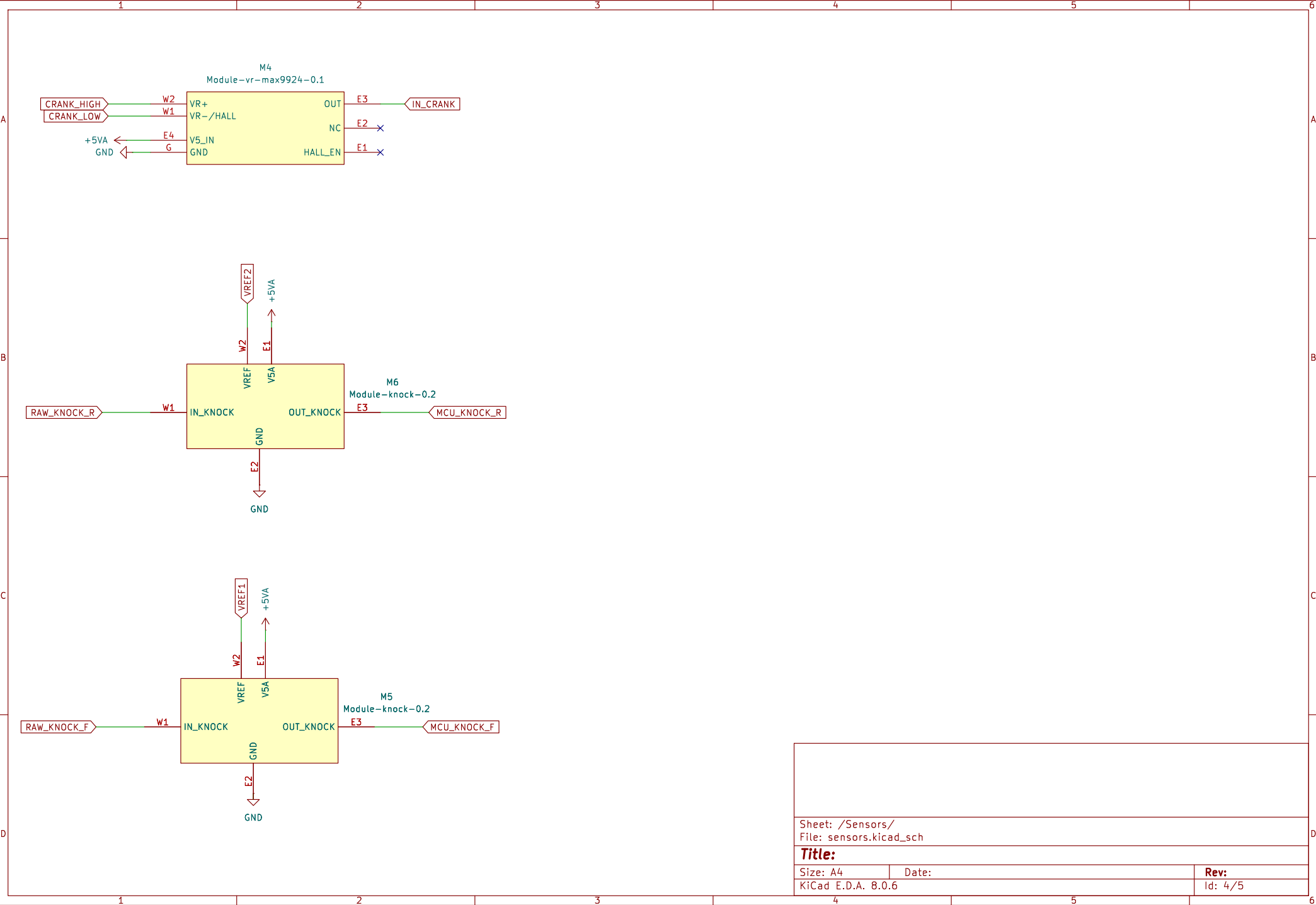
Date:

KiCad E.D.A. 8.0.6

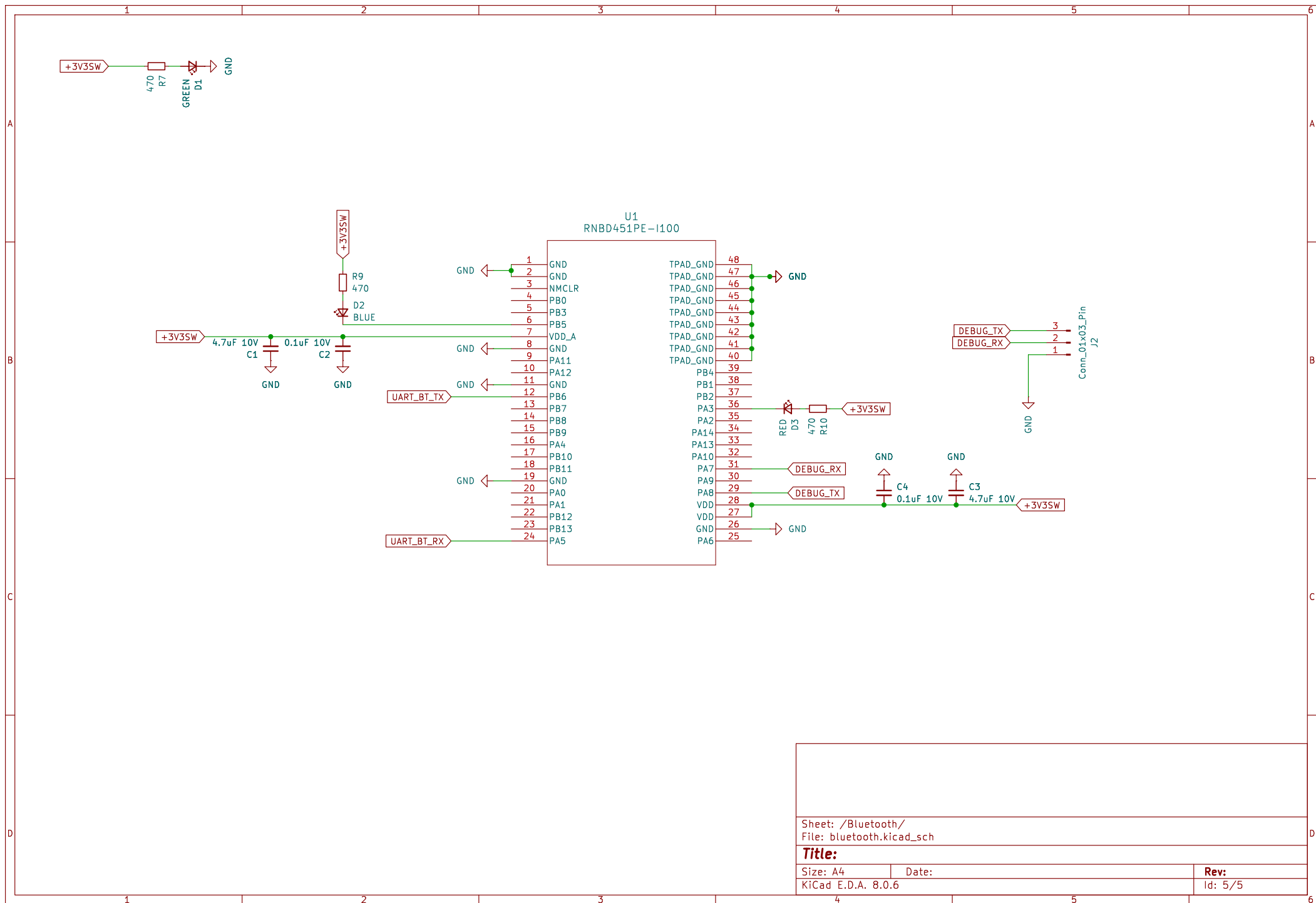
Rev: A

Id: 1/5





Sheet: /Sensors/ File: sensors.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.6	Id: 4/5	



Sheet: /Bluetooth/
File: bluetooth.kicad_sch

Title:

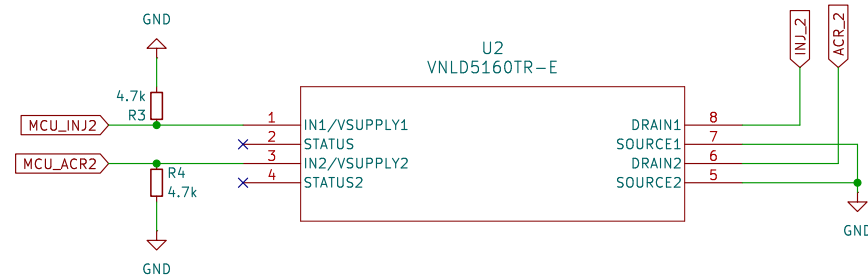
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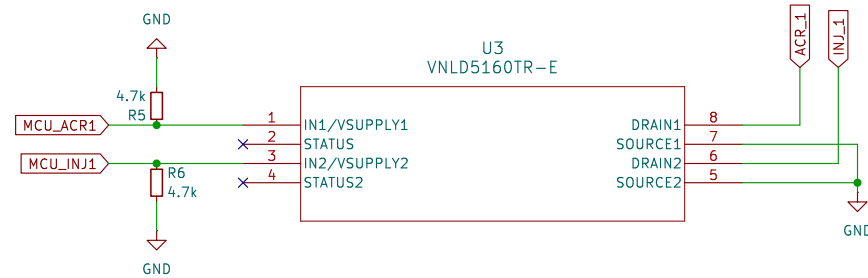
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Id: 5/5

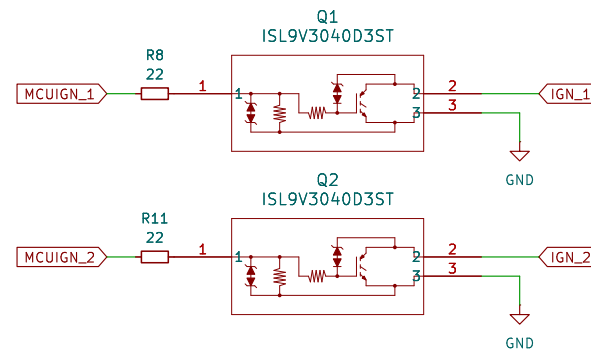
INJECTORS & ACR



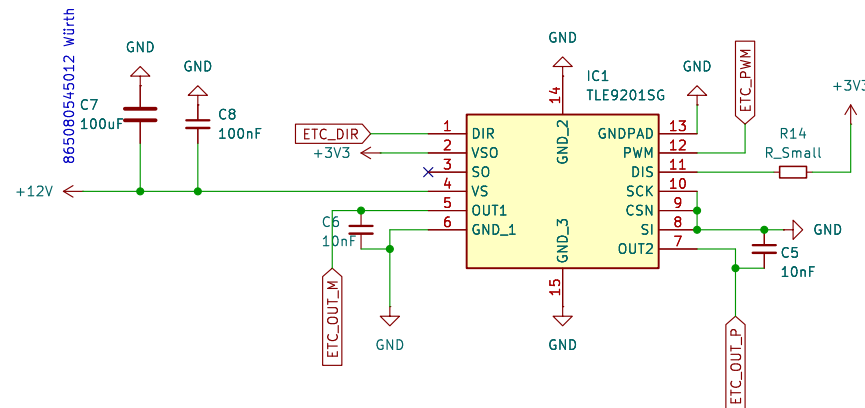
INJECTORS MEASURED TO TAKE MAX 1A EACH WHEN OPEN



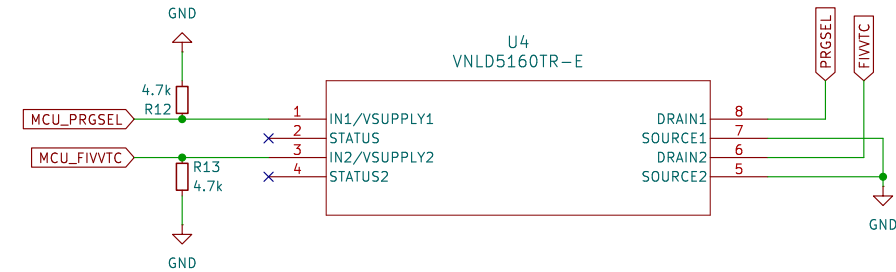
IGNITION



Electronic Throttle

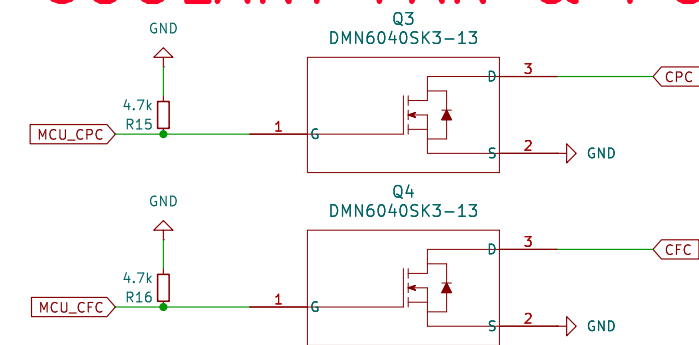


PURGE & VVT SOLENOIDS



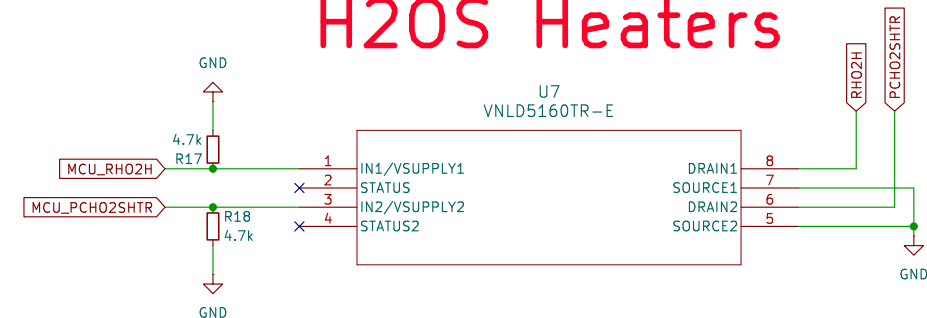
COOLANT FAN PULLS AROUND 4A WHEN CONSTANT 100%,
INITIALLY PULLING UP TO 8A FOR GETTING SPINNING
HARLEY USES: <https://www.onsemi.com/pdf/datasheet/huf76629d3s-d.pdf>
POSSIBLE: <https://www.digikey.de/de/products/detail/onsemi/HUF76629D3ST/4553106>
AND: <https://www.digikey.de/de/products/detail/diodes-incorporated/DMN6040SK3-13/8545933>

COOLANT FAN & PUMP



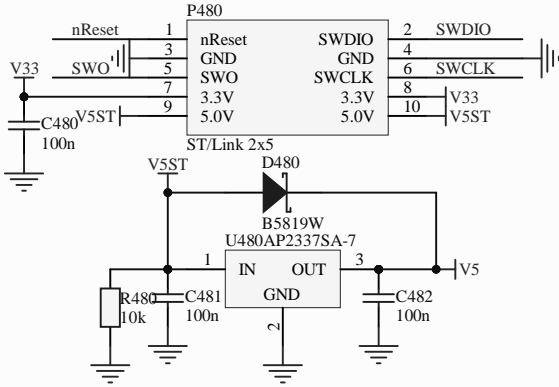
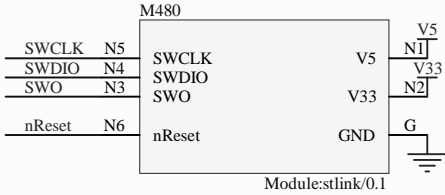
H2OS Heaters are PWM Controlled and max out at about 0.9 Amps
at room temperature, then reducing with coming heat

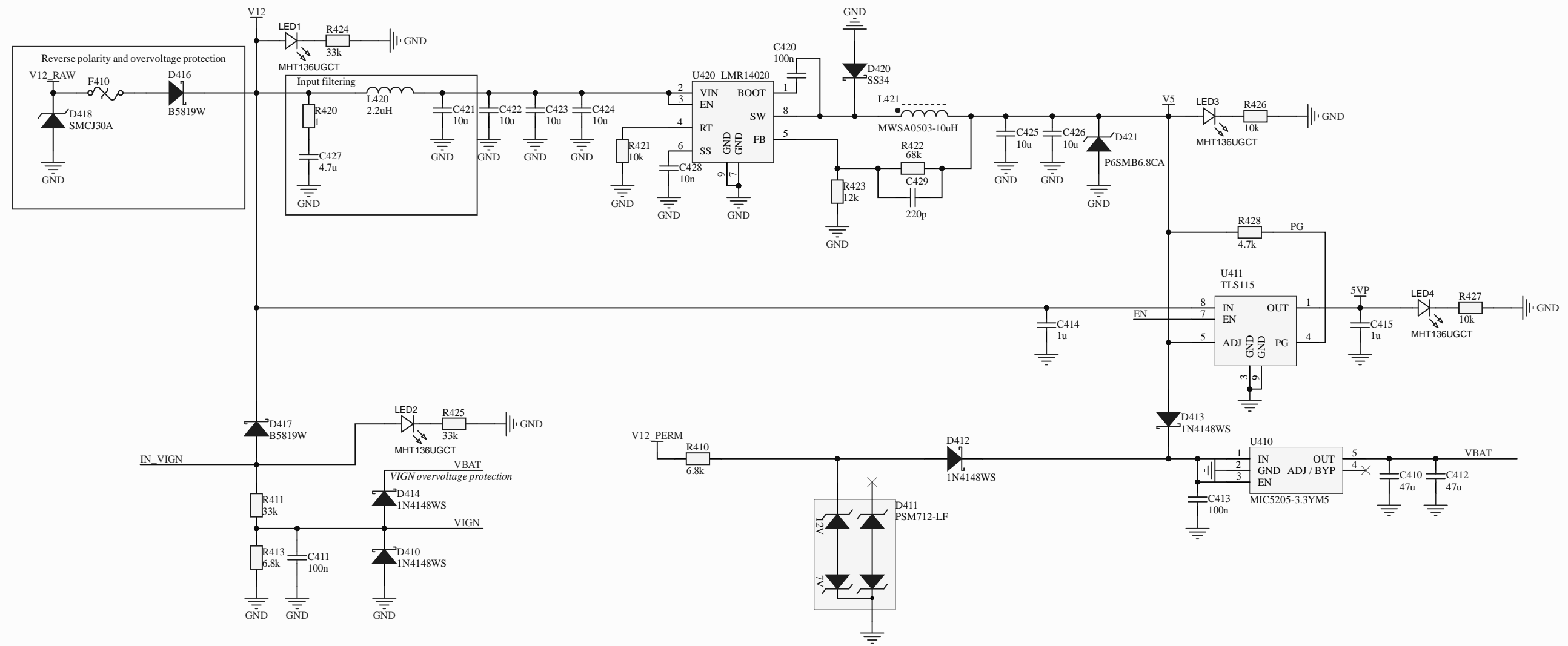
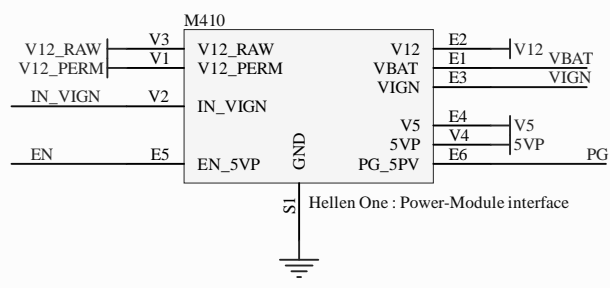
H2OS Heaters

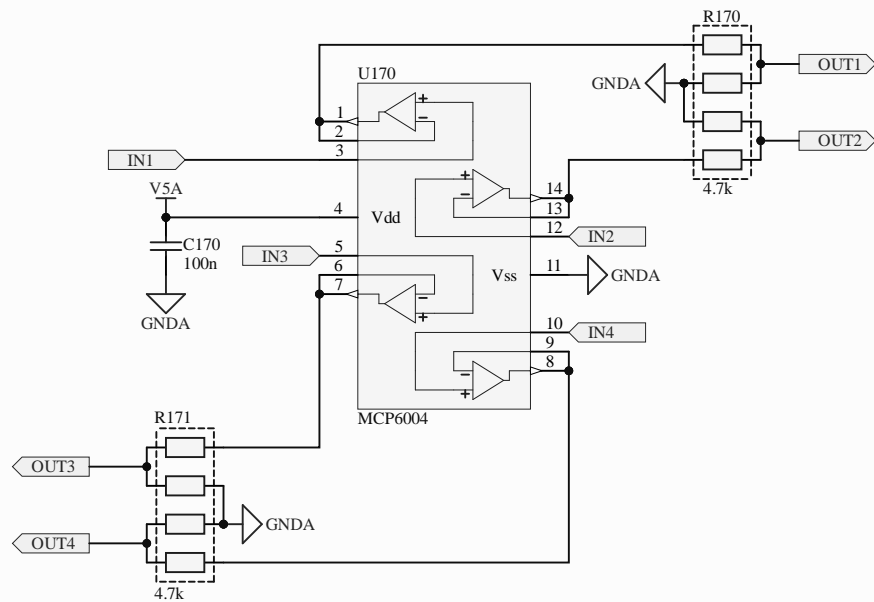


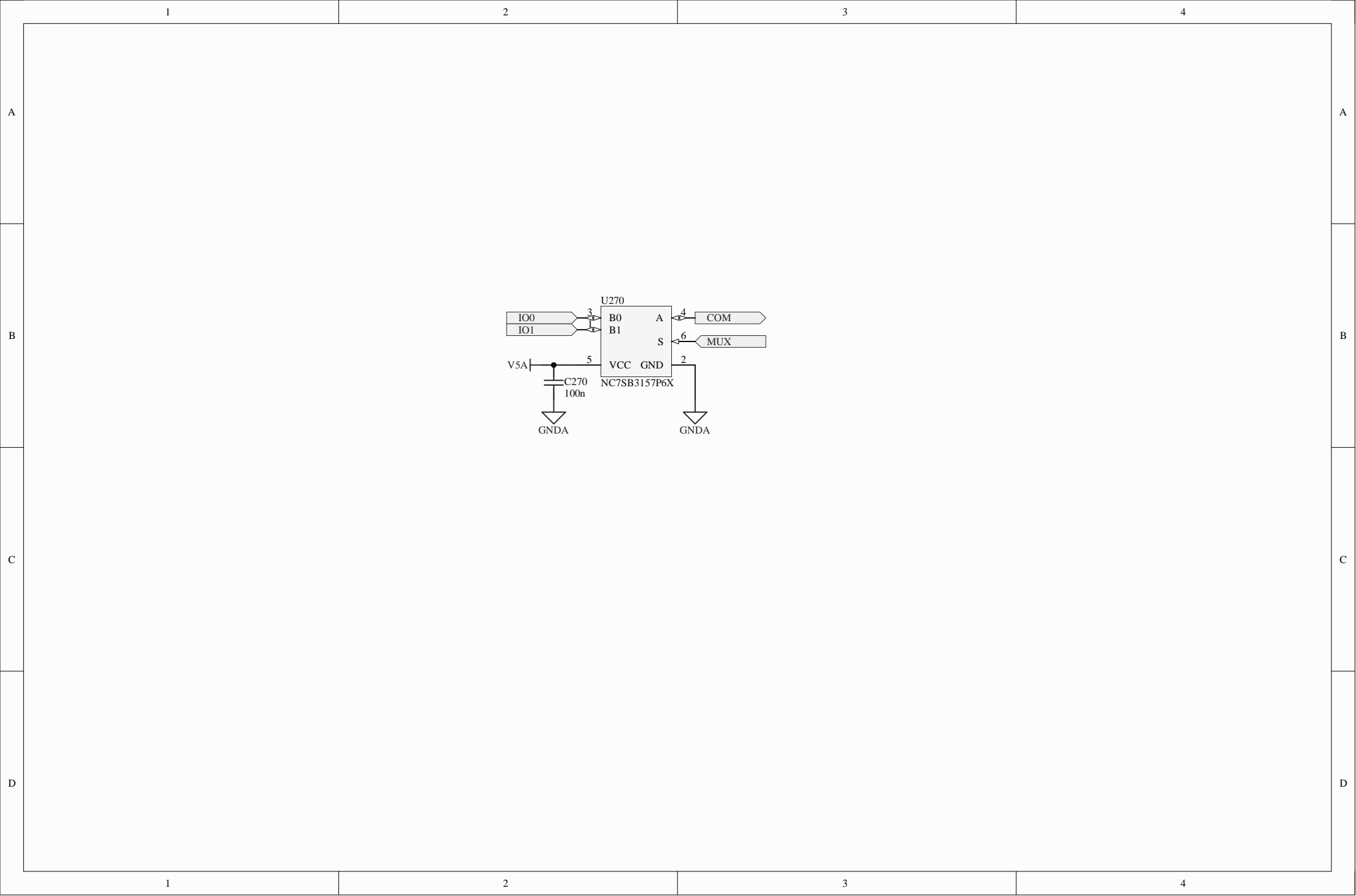
CCFC & HO2HTR

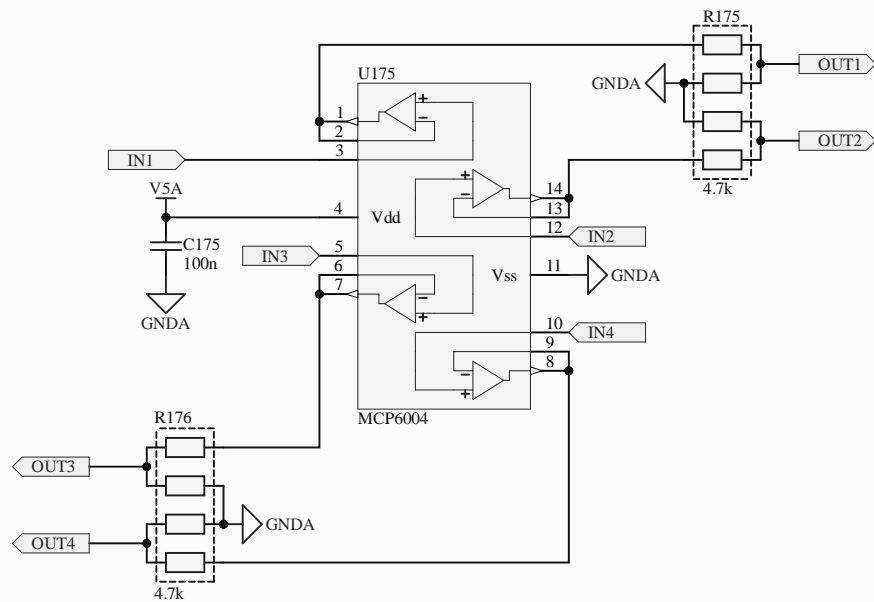


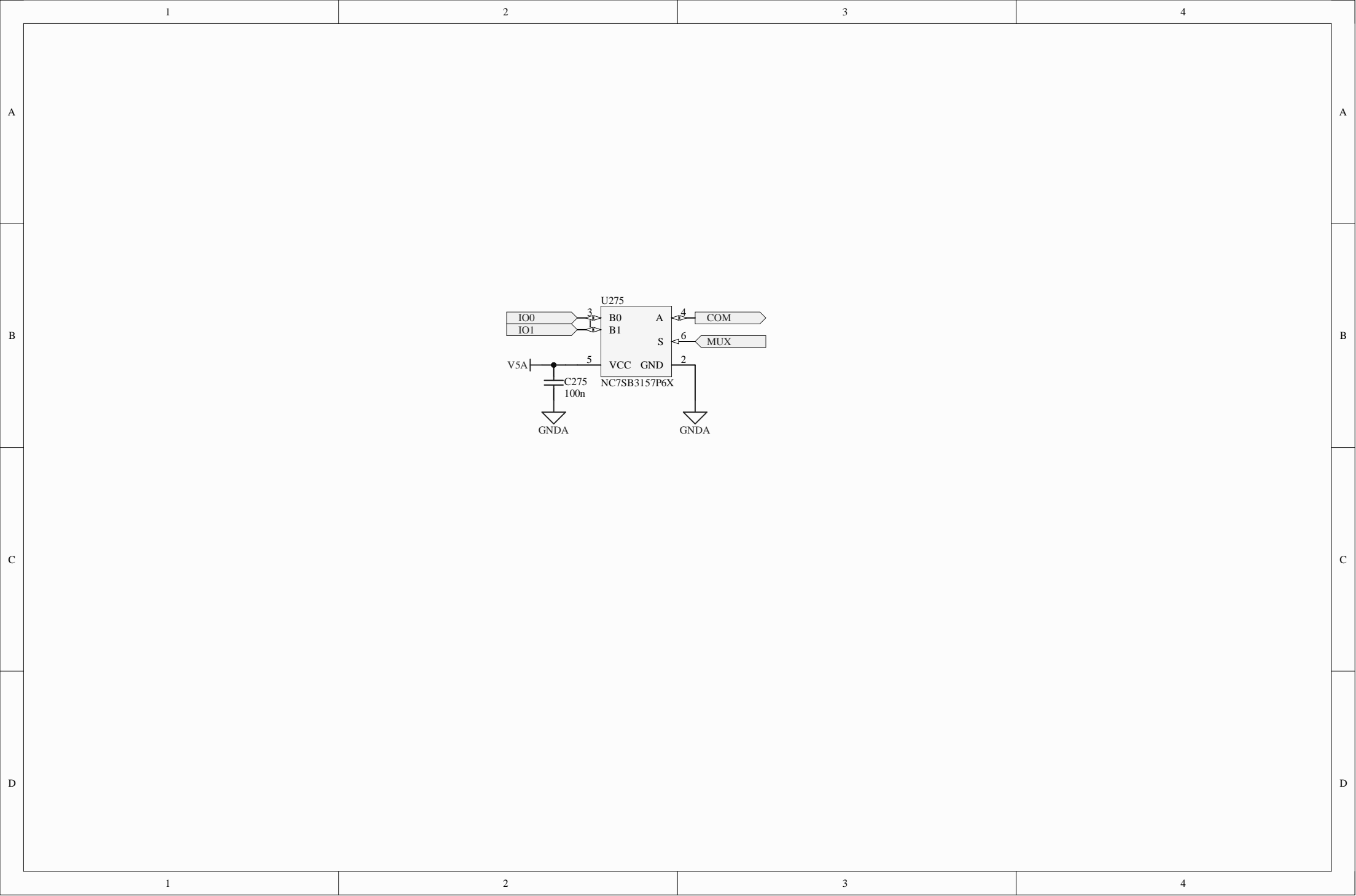


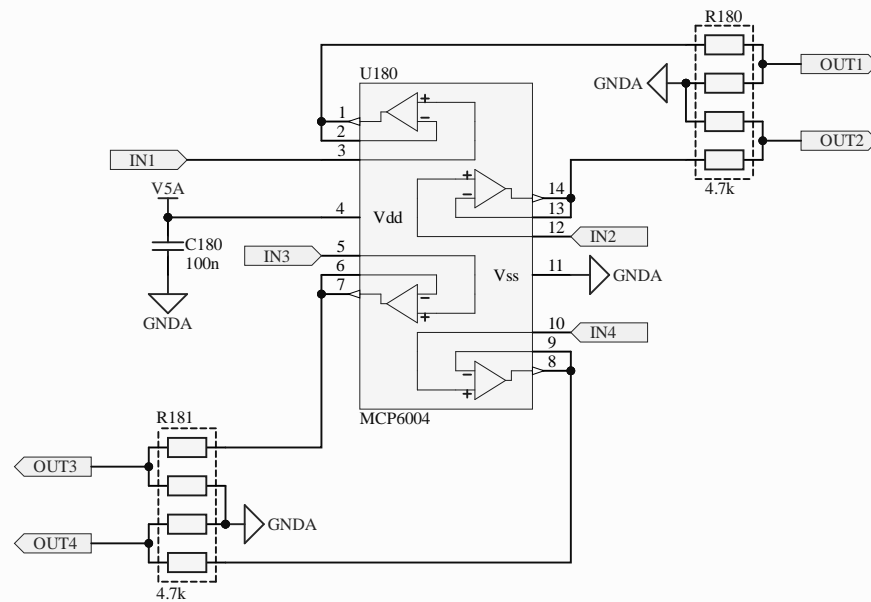


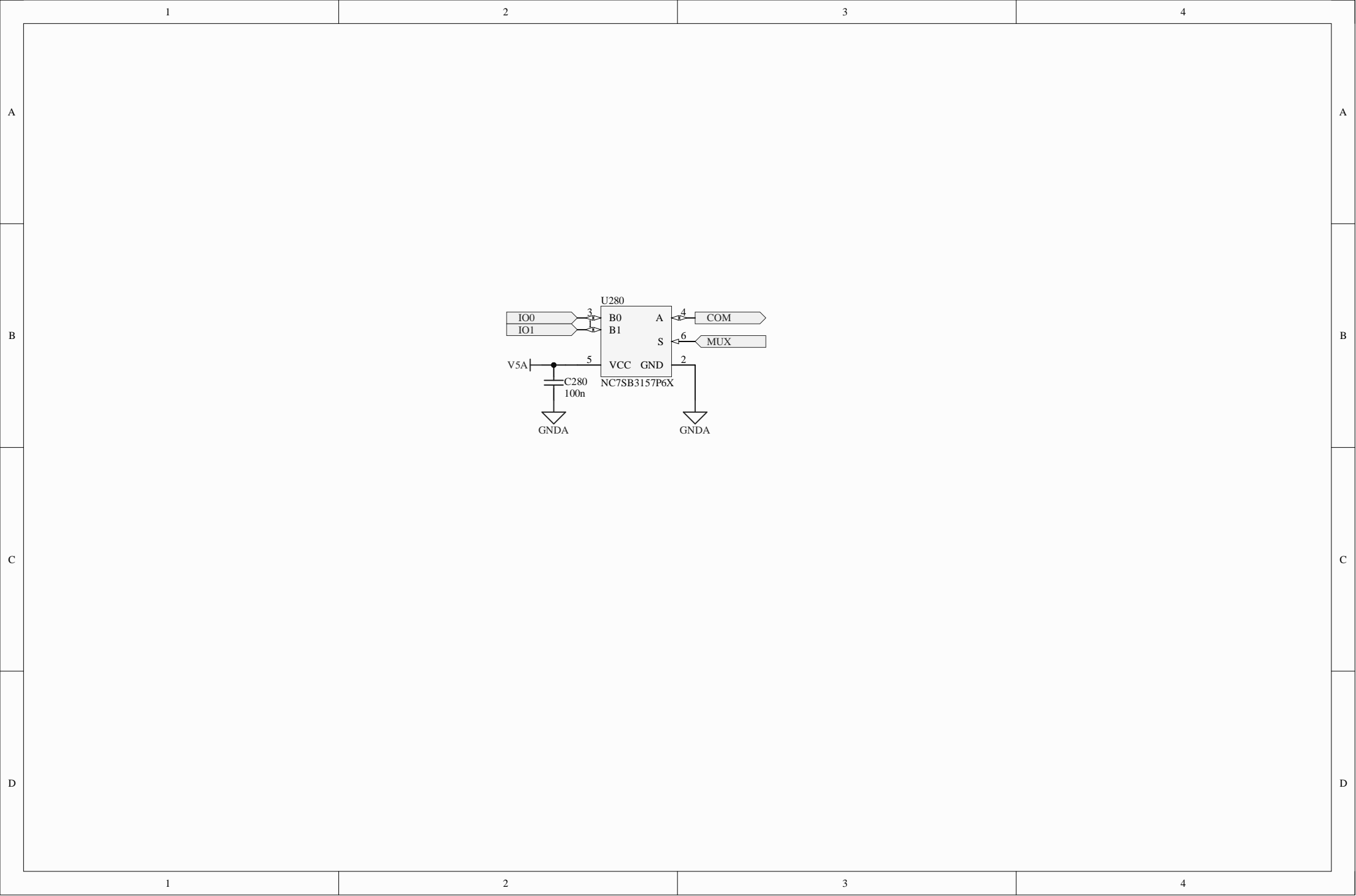


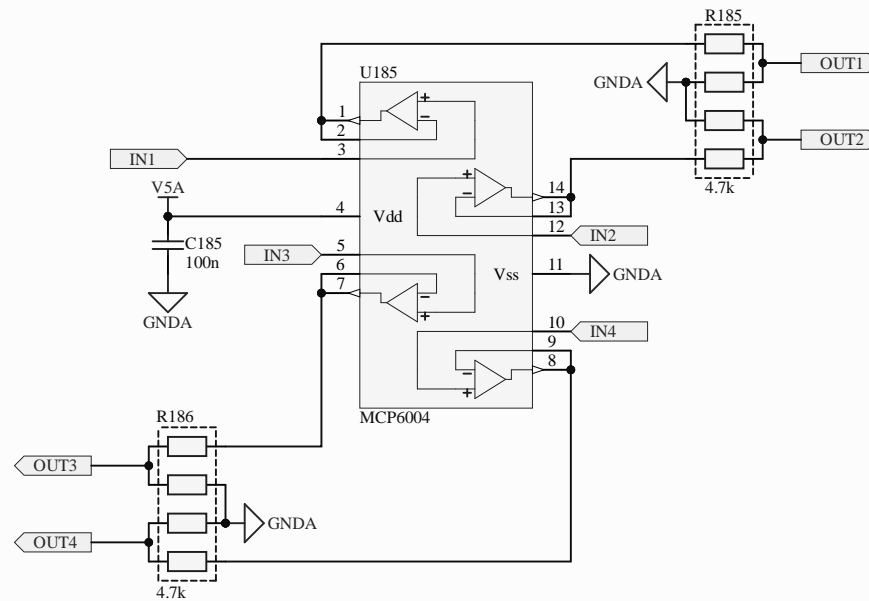


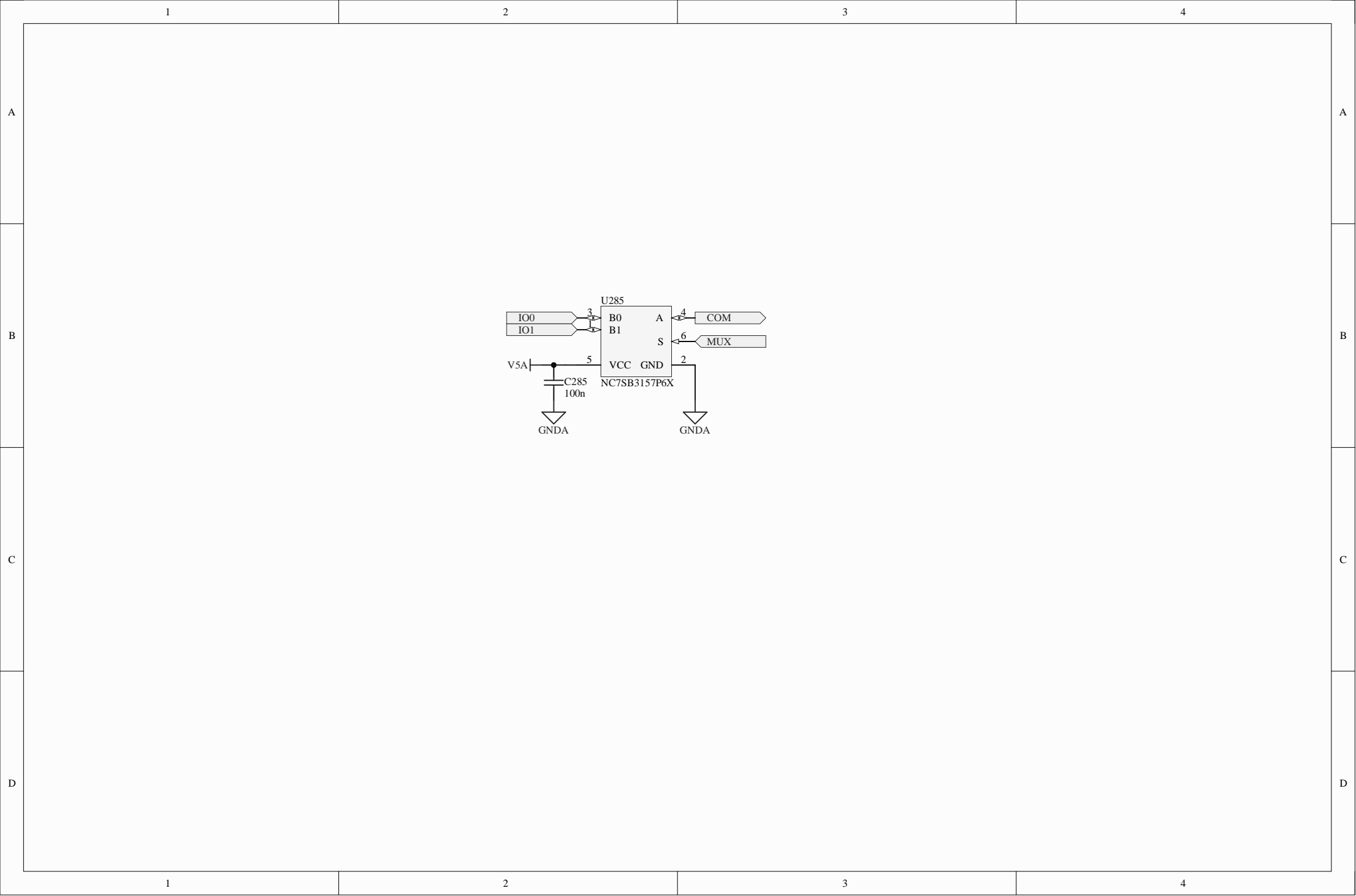


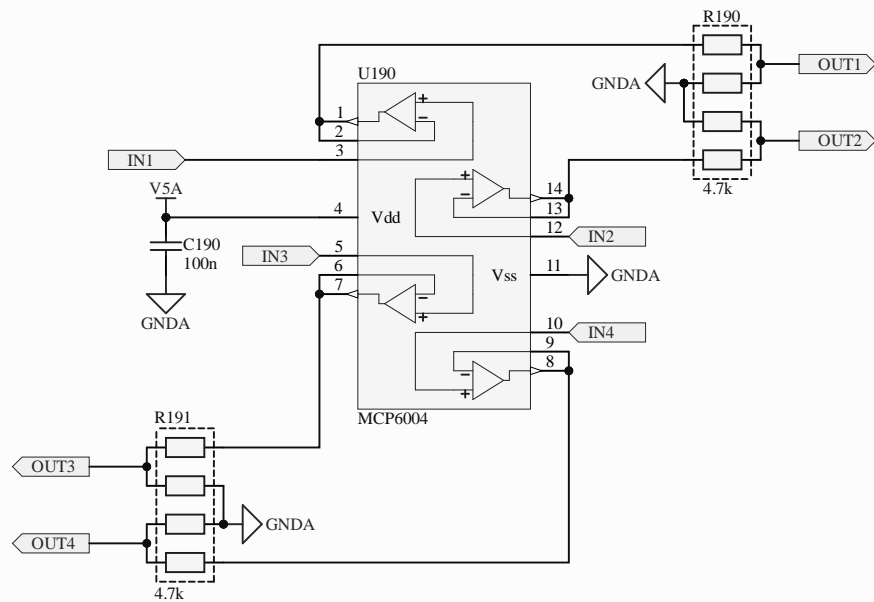




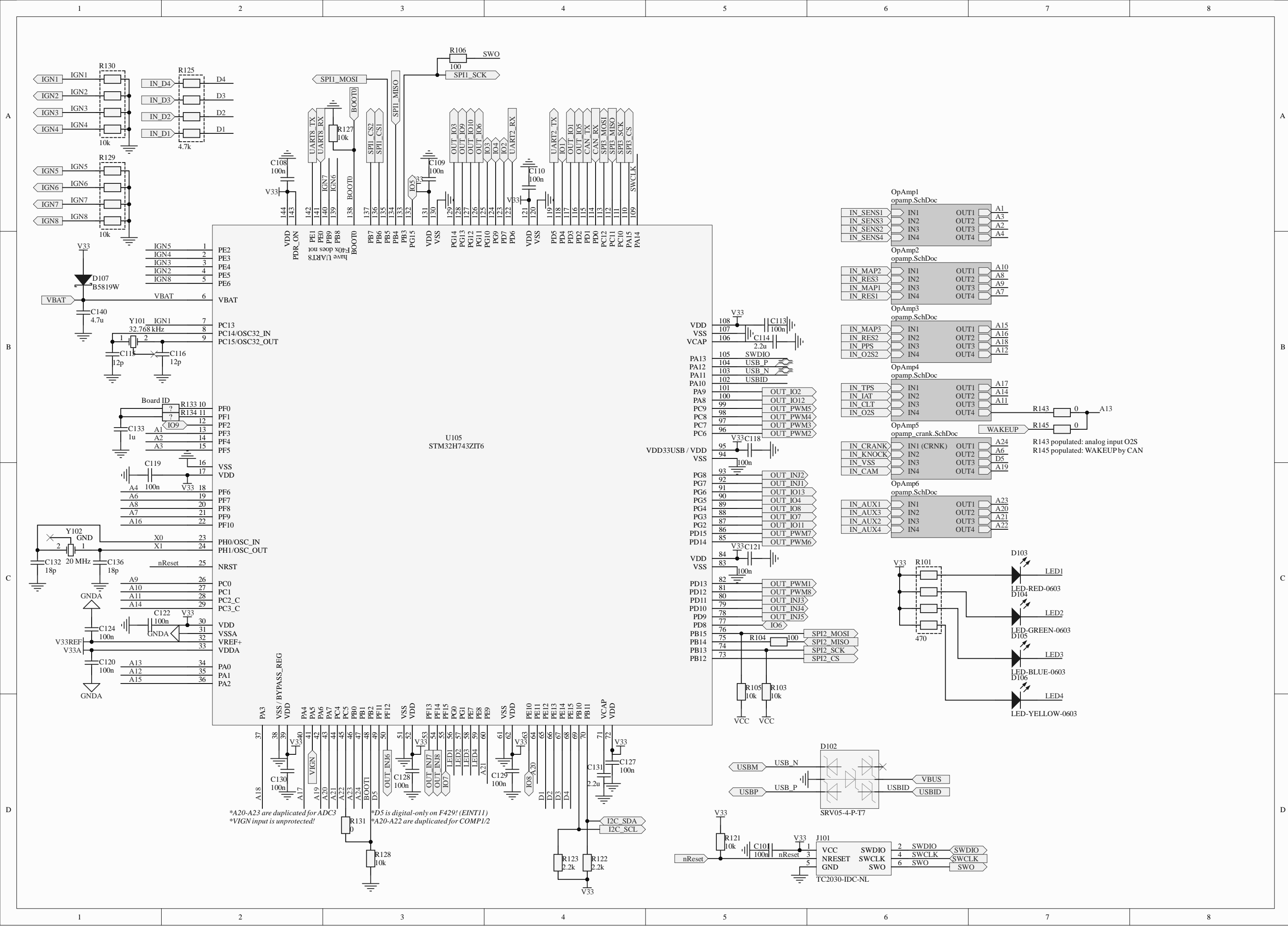












A

A

B

B

C

C

D

D

E

E

F

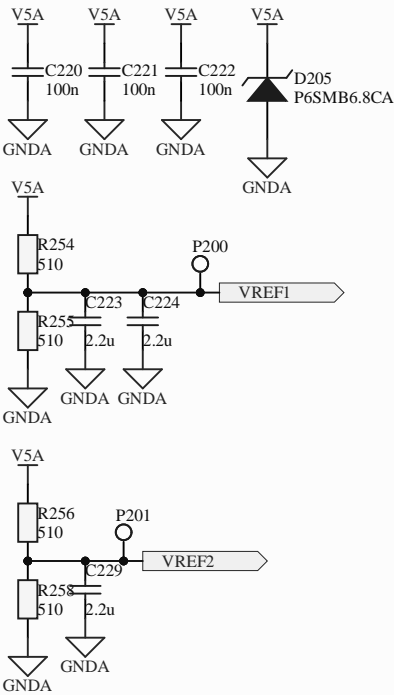
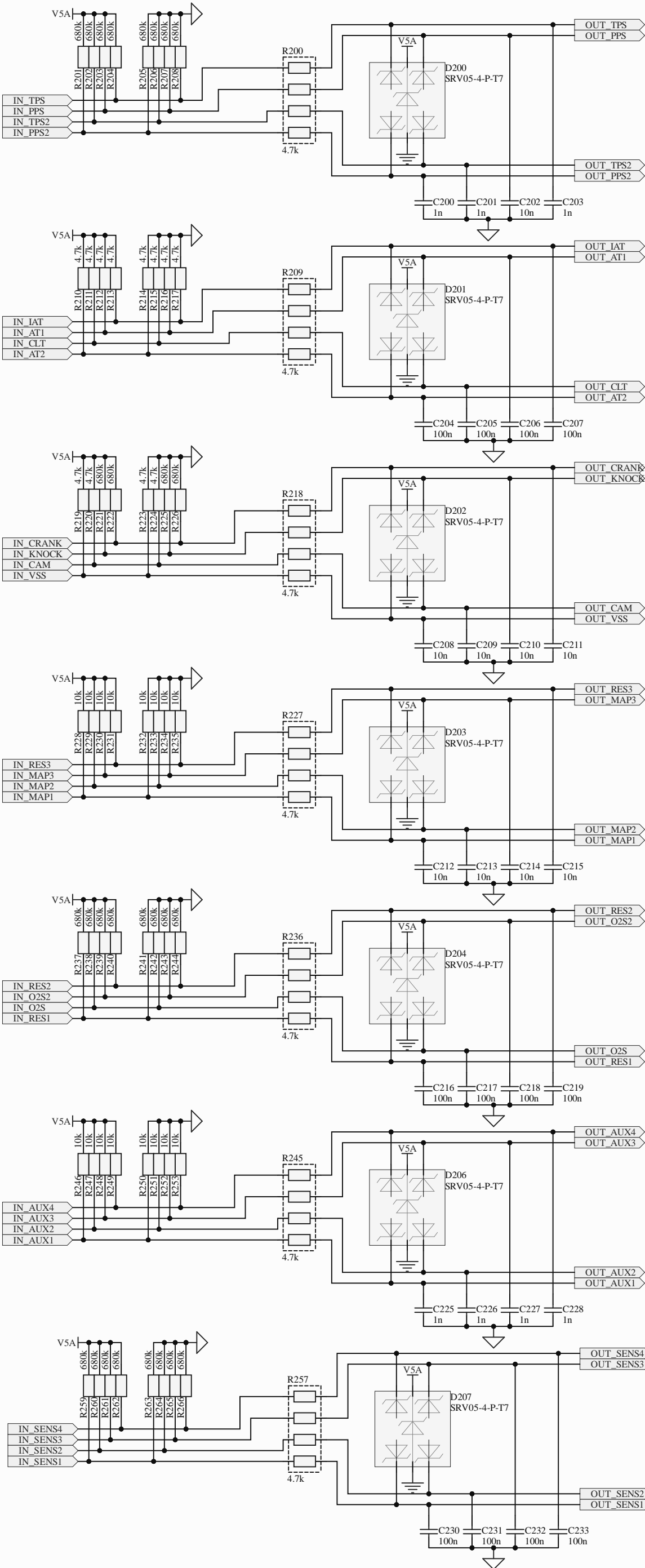
F

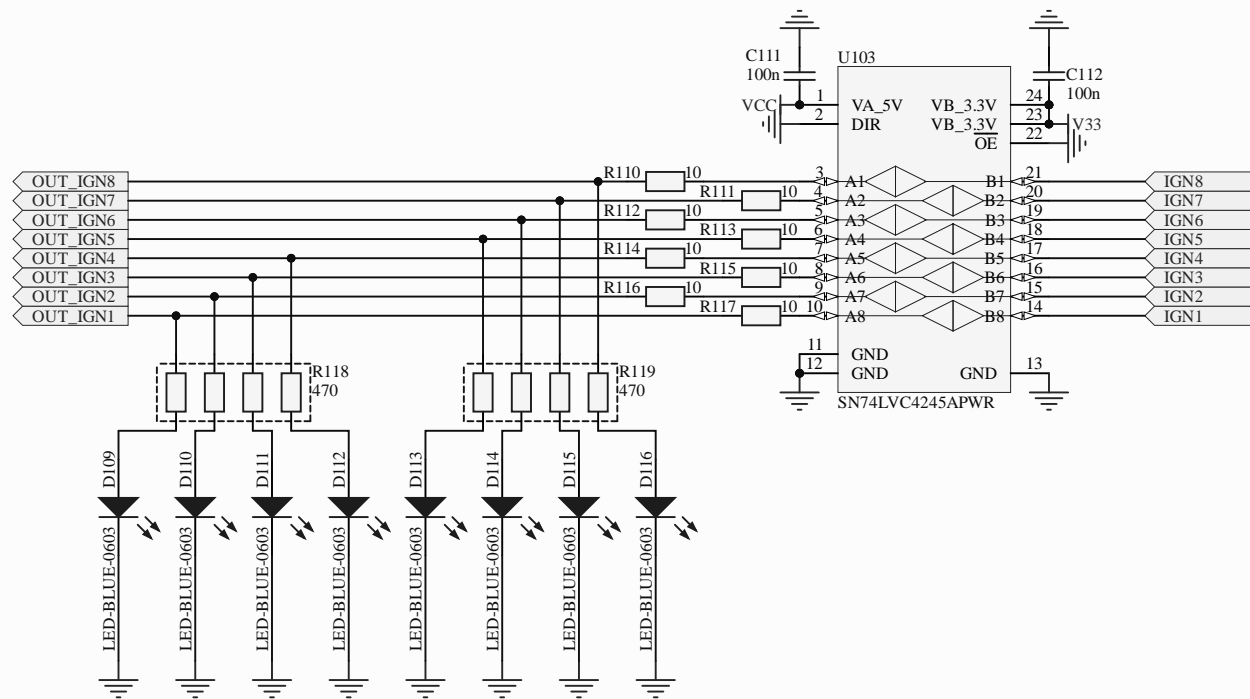
G

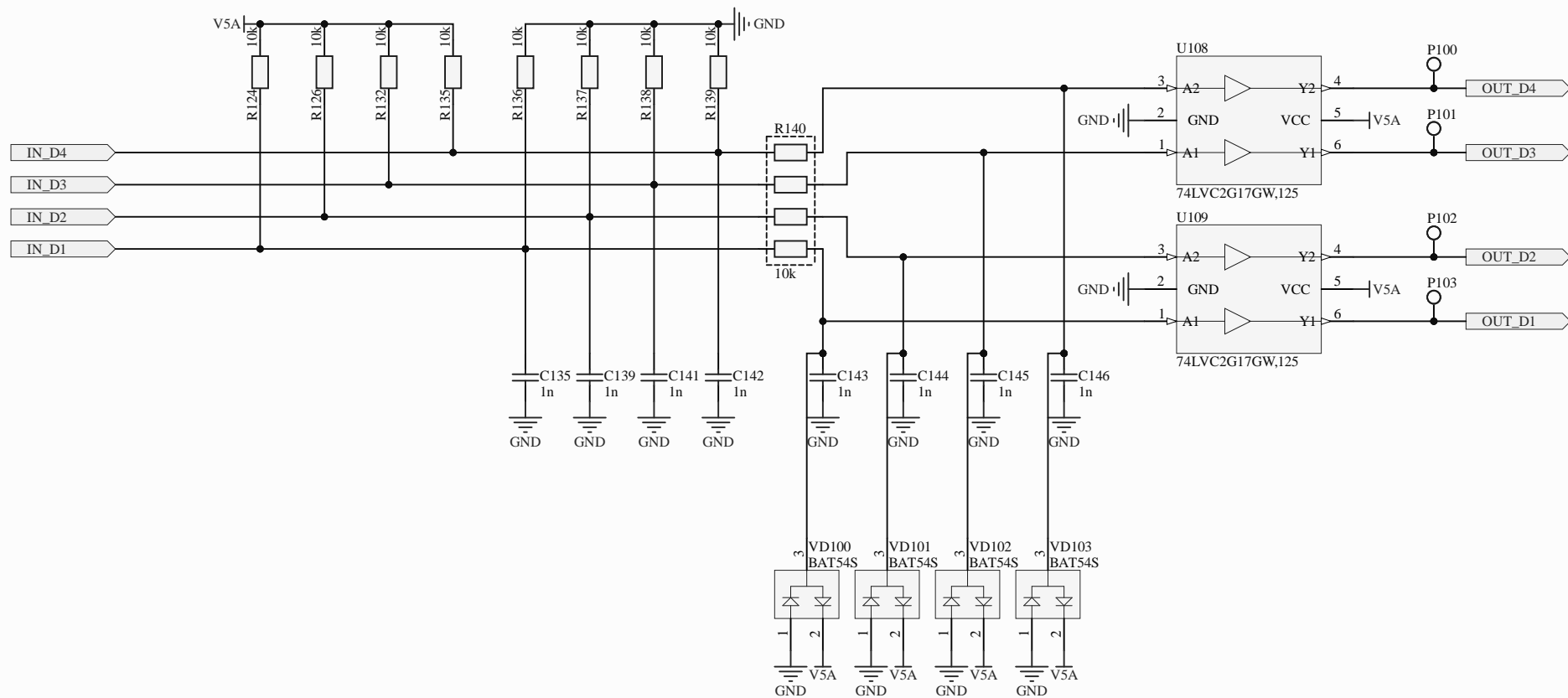
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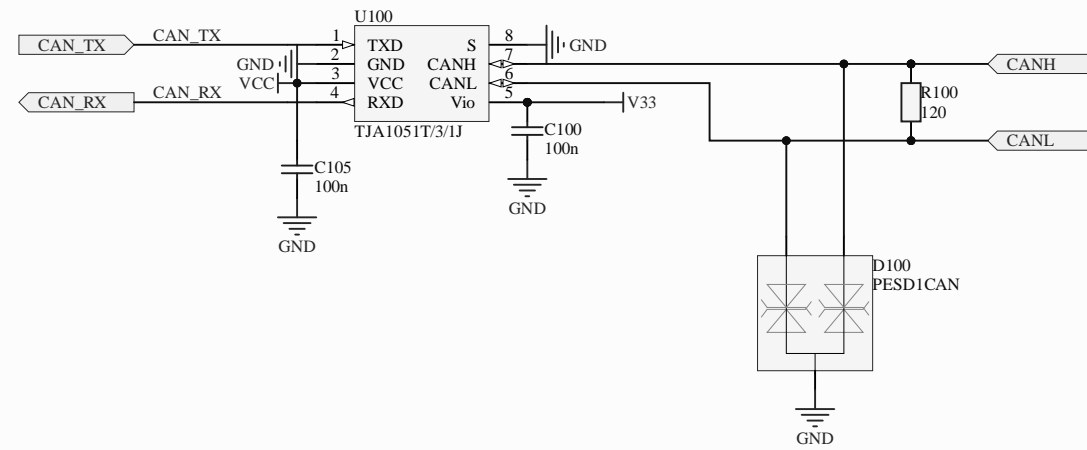
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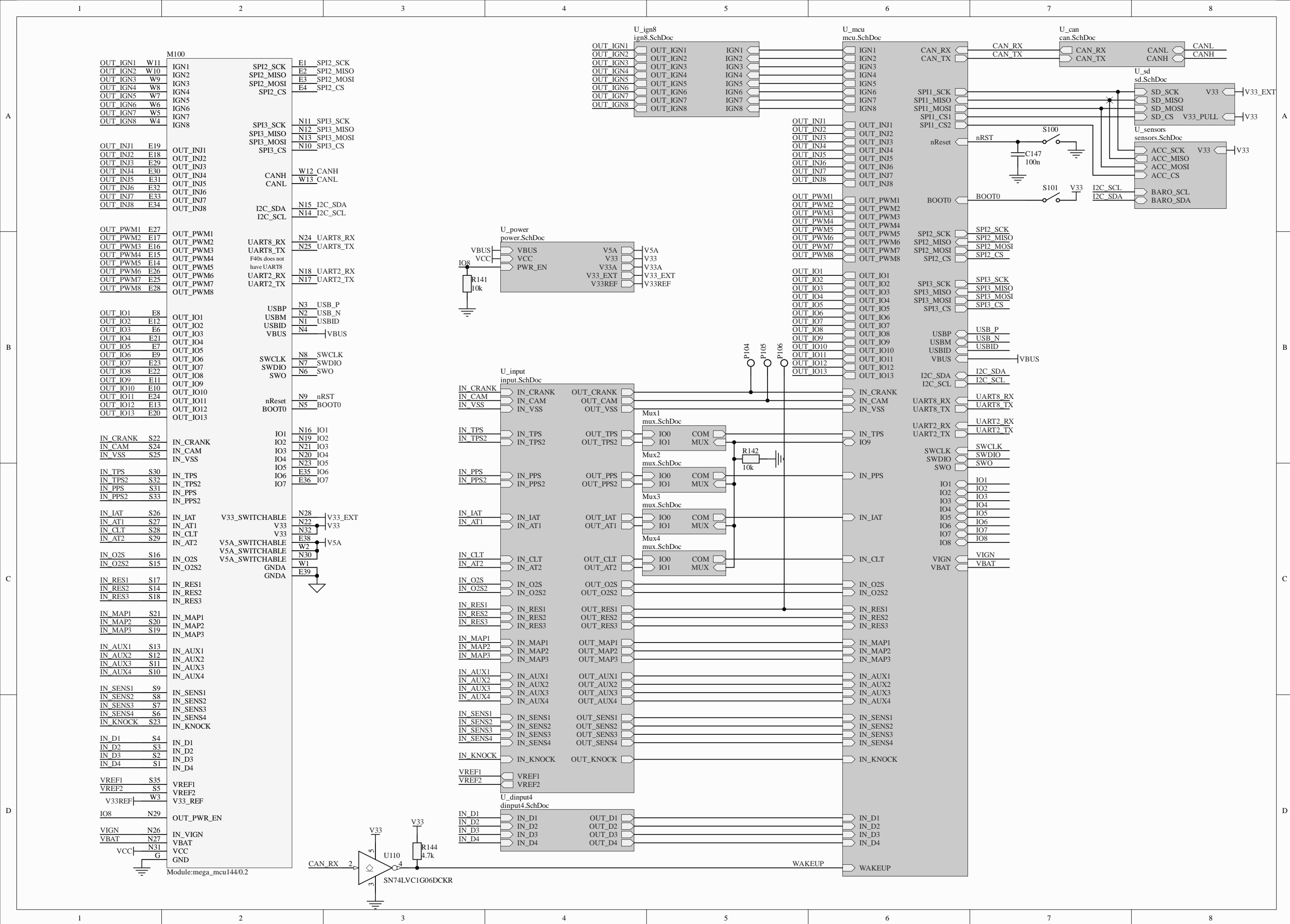
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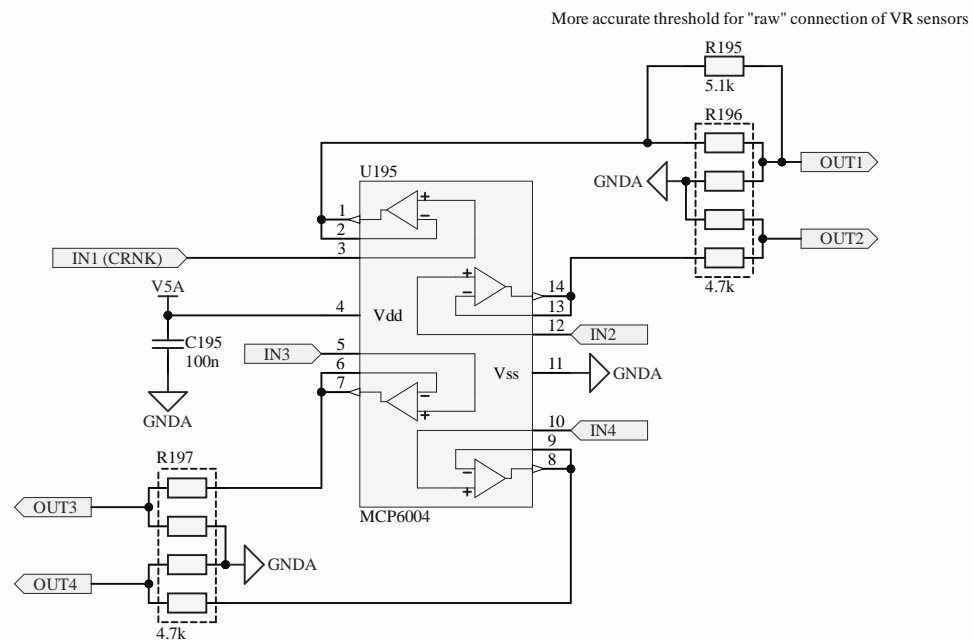


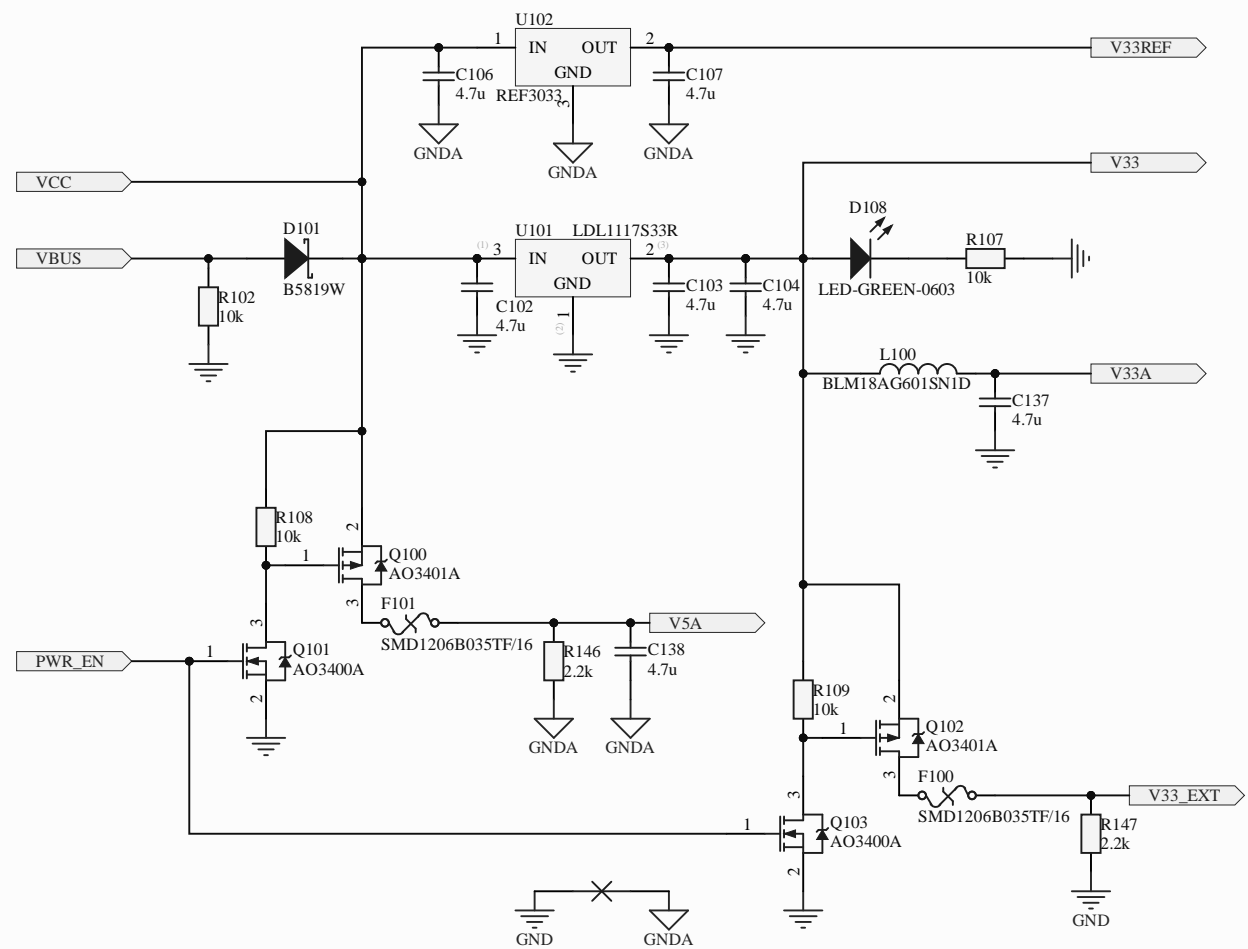












Title		
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