

MCU

File: mcu.kicad_sch

Sensors

File: sensors.kicad_sch

Bluetooth

File: bluetooth.kicad_sch

Outputs

File: outputs.kicad_sch

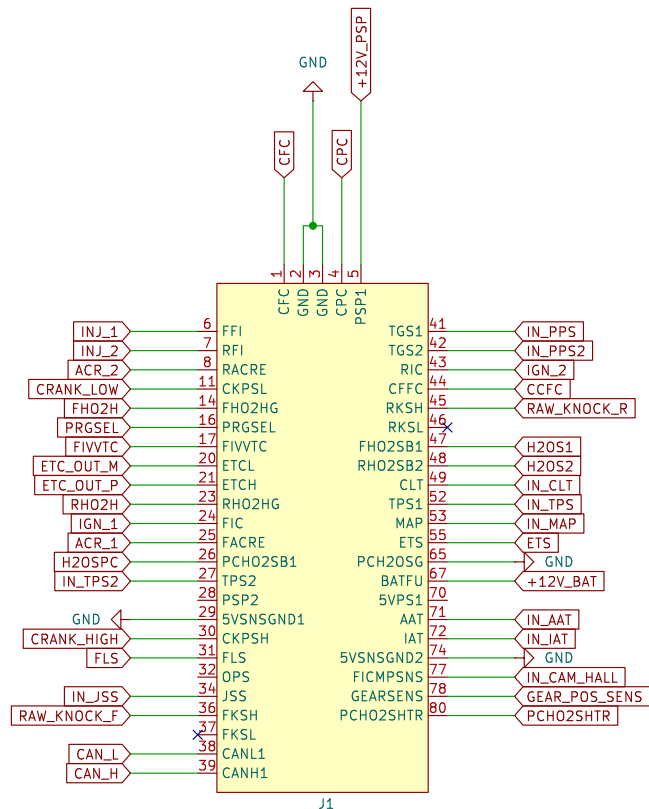
TODO:

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

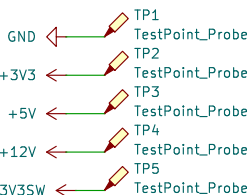
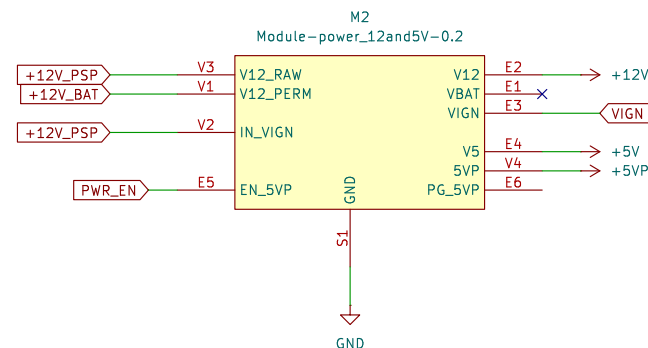
DONE: GEARSSENS analyze the signal -> Kind of analog?

DONE: AM POSITION = FICMPSNS Hall effect or what is that?

Knock Sensor LOW signals not needed?



TODO: PSP = IGNITION BASED?



Hellen-Bremen

Sheet: /
File: hellenbremen.kicad_sch

Title:

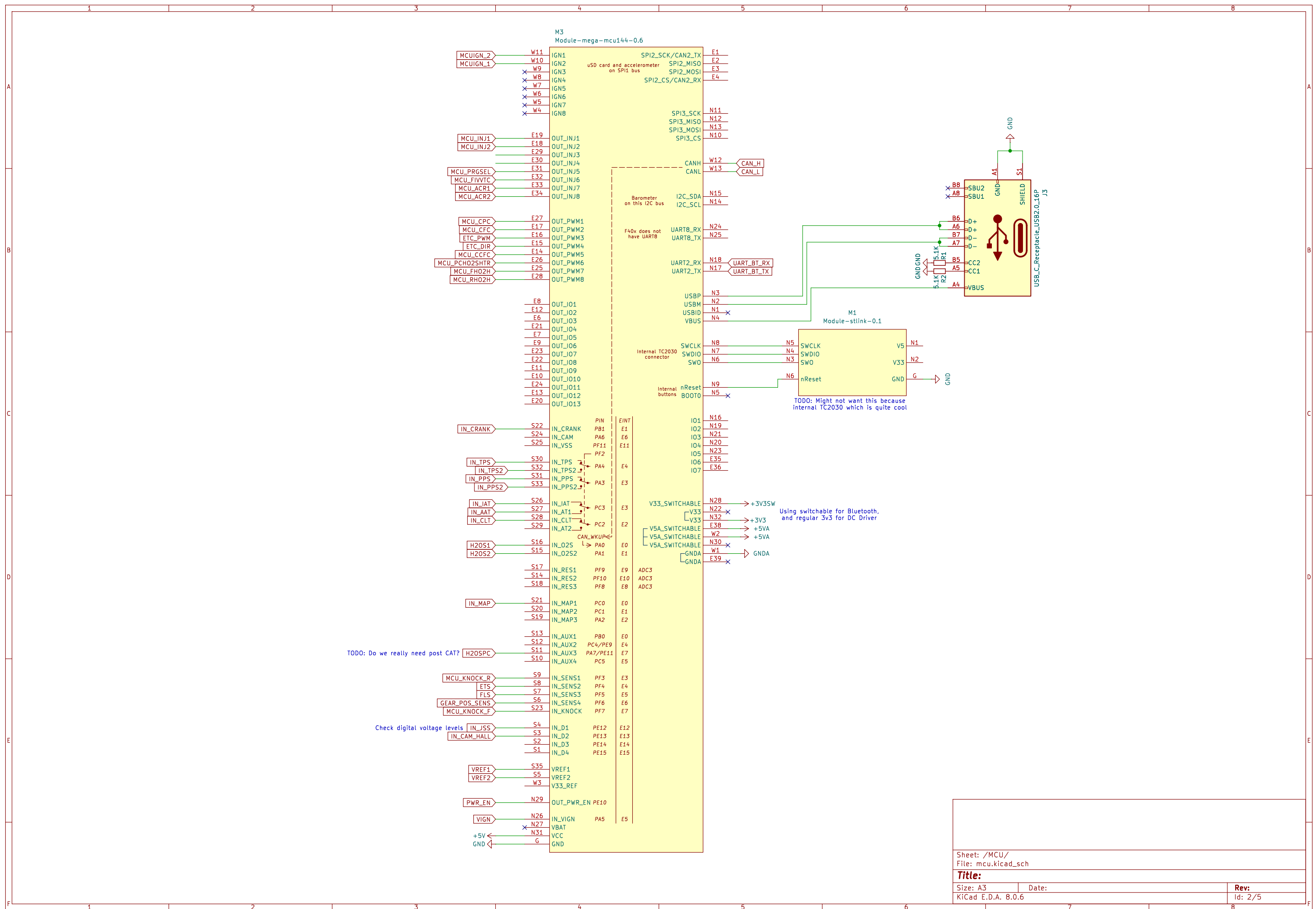
Size: A4

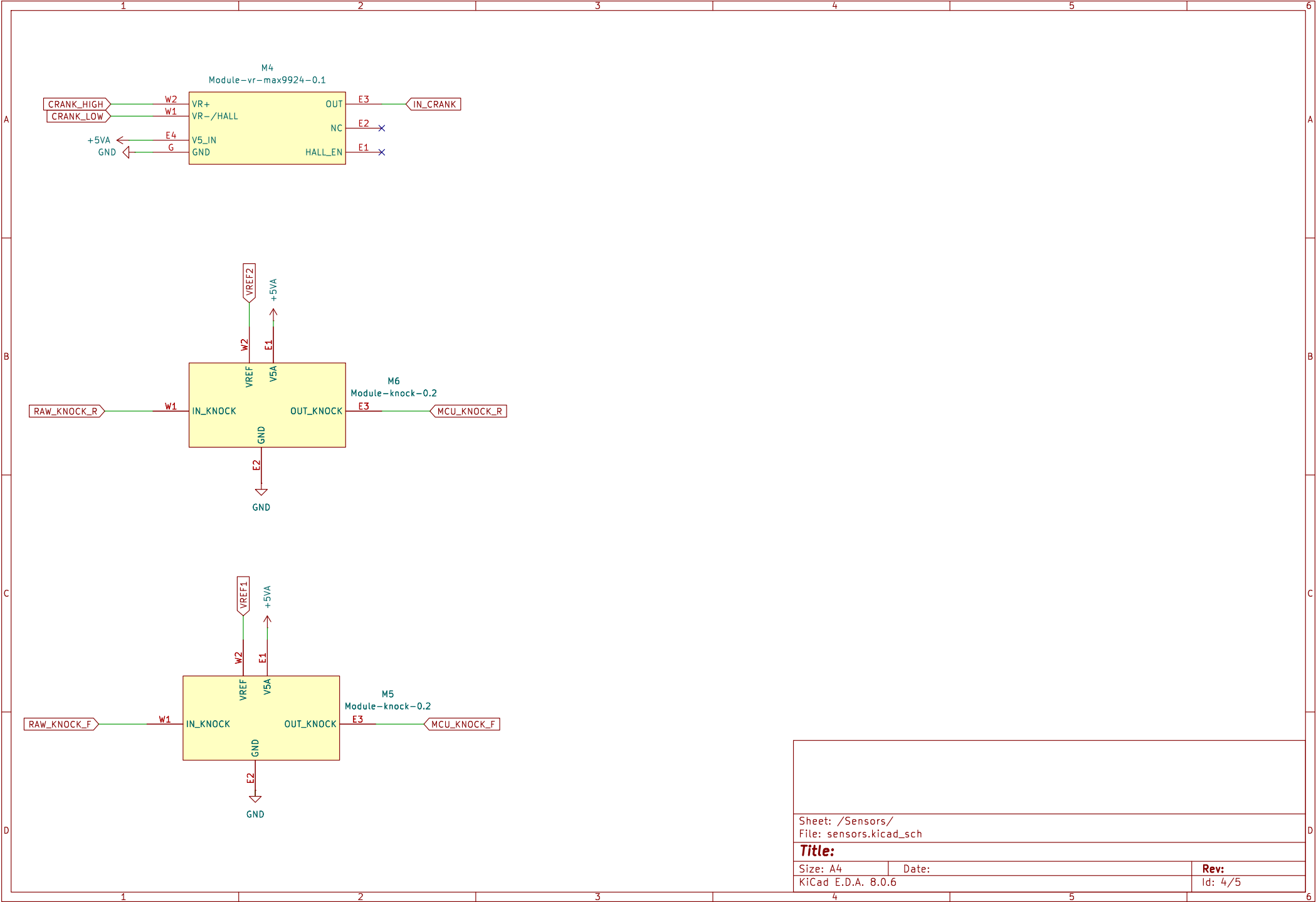
Date:

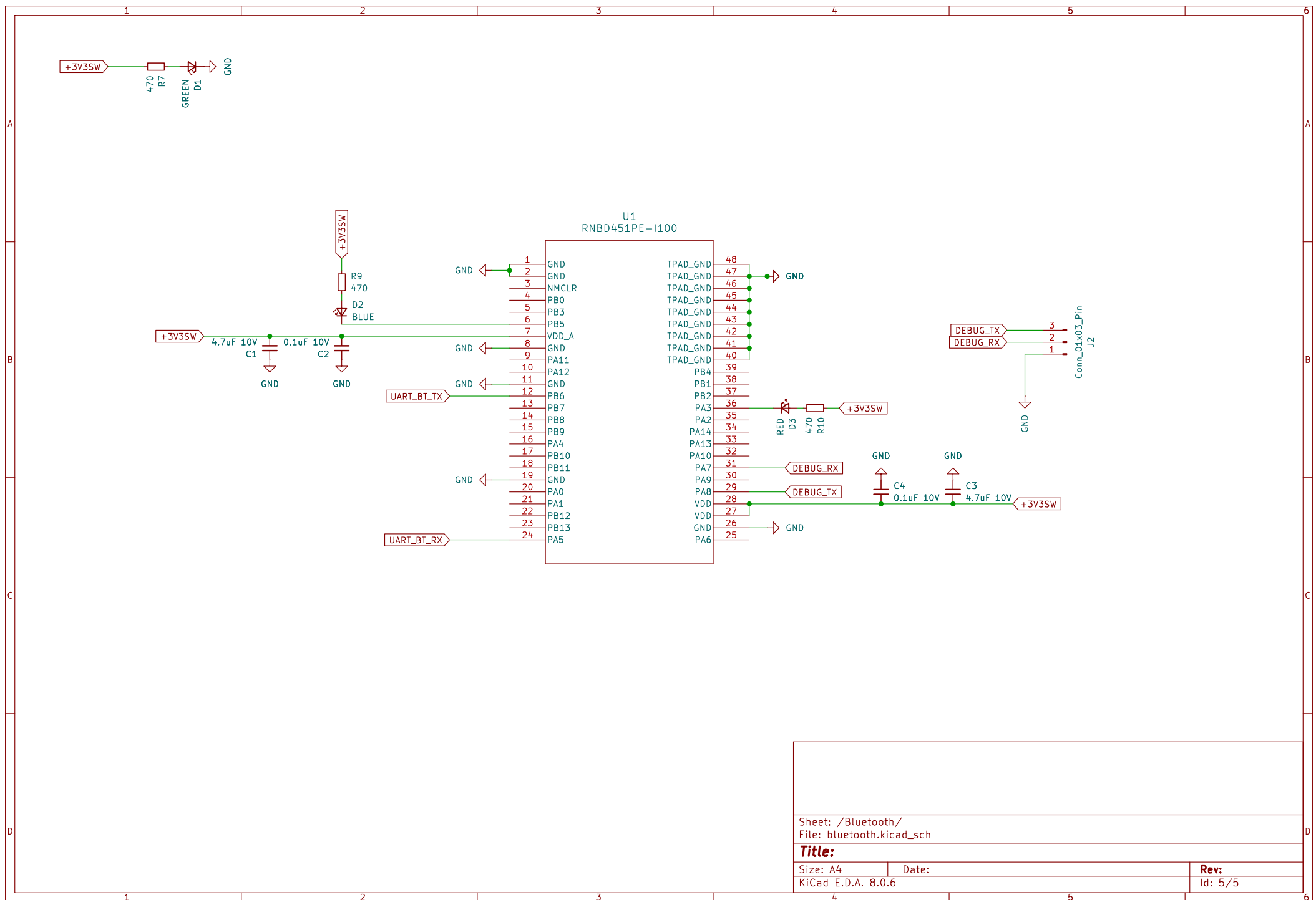
KiCad E.D.A. 8.0.6

Rev: A

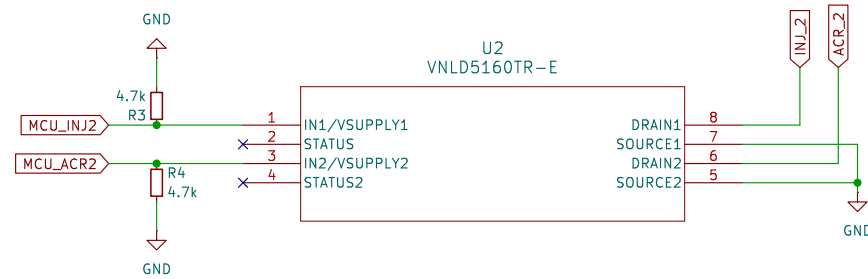
Id: 1/5



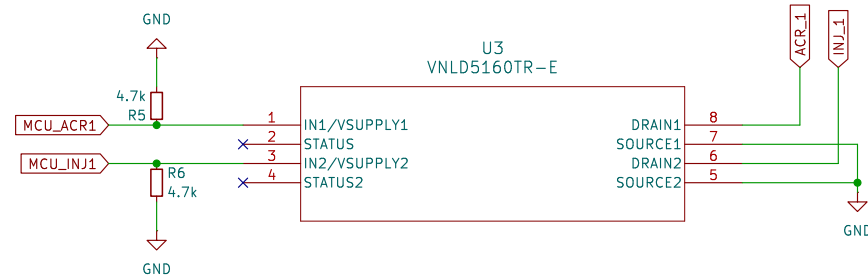




INJECTORS & ACR

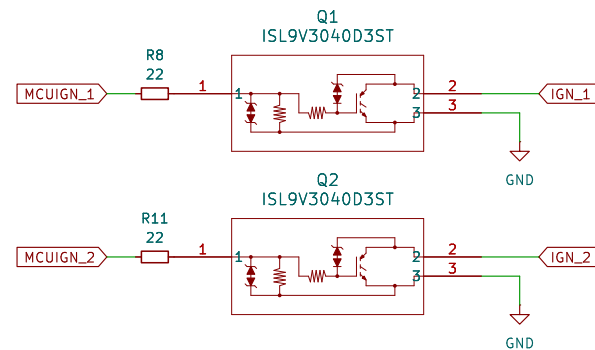


INJECTORS MEASURED TO TAKE MAX 1A EACH WHEN OPEN

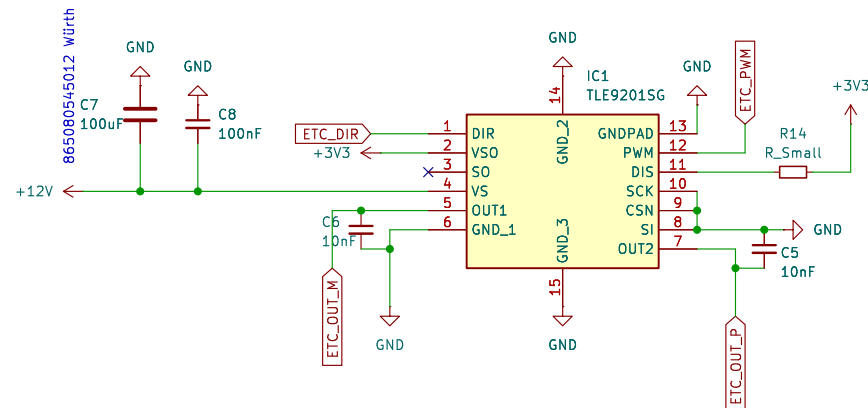


Harley Uses:
<https://www.mouser.de/ProductDetail/onsemi/FGB3040G2-F085C?qs=2WXlatMagcHzMRj1hscbYQ%3D%3D>

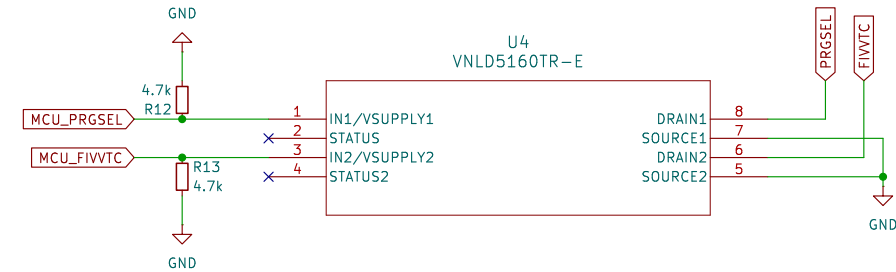
IGNITION



Electronic Throttle

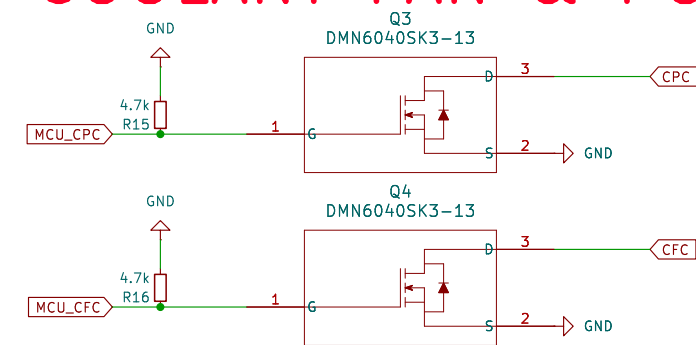


PURGE & VVT SOLENOIDS



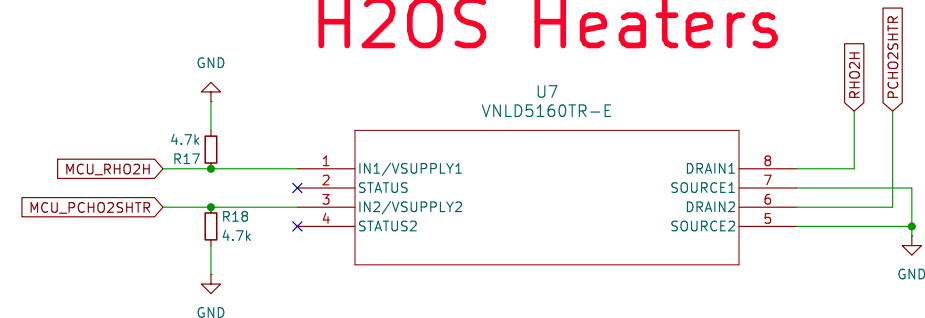
COOLANT FAN PULLS AROUND 4A WHEN CONSTANT 100%,
INITIALLY PULLING UP TO 8A FOR GETTING SPINNING
HARLEY USES: HUF76629D3
POSSIBLE: <https://www.digikey.de/de/products/detail/onsemi/HUF76629D3ST/4553106>
AND: <https://www.digikey.de/de/products/detail/diodes-incorporated/DMN6040SK3-13/8545933>

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

