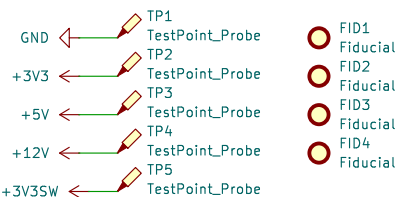
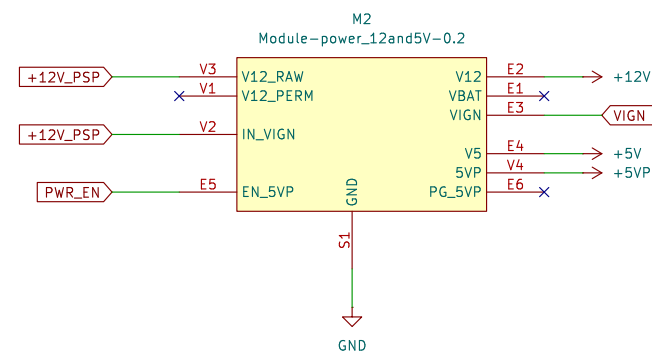
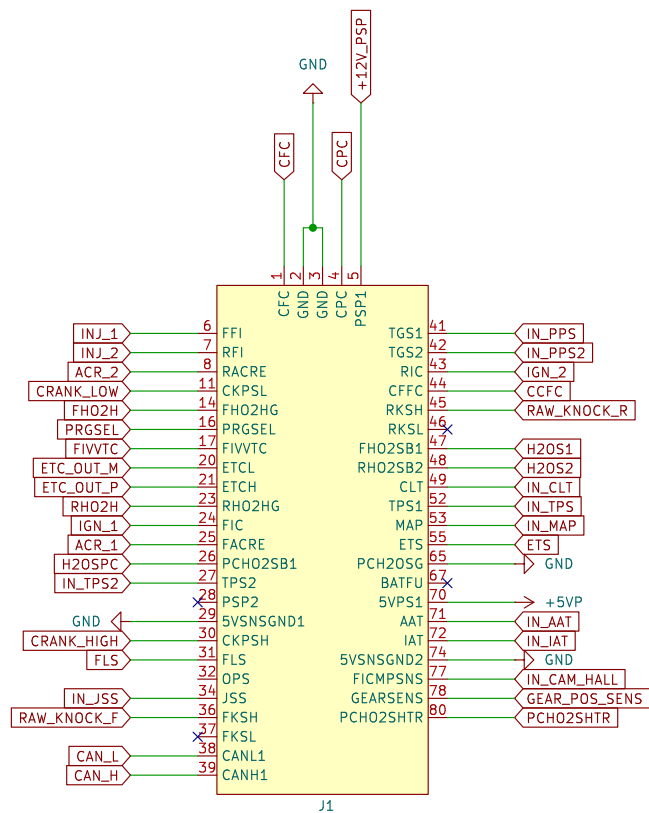


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File: sensors.kicad\_sch

## File: bluetooth.kicad\_sch

File: outputs.kicad\_sch



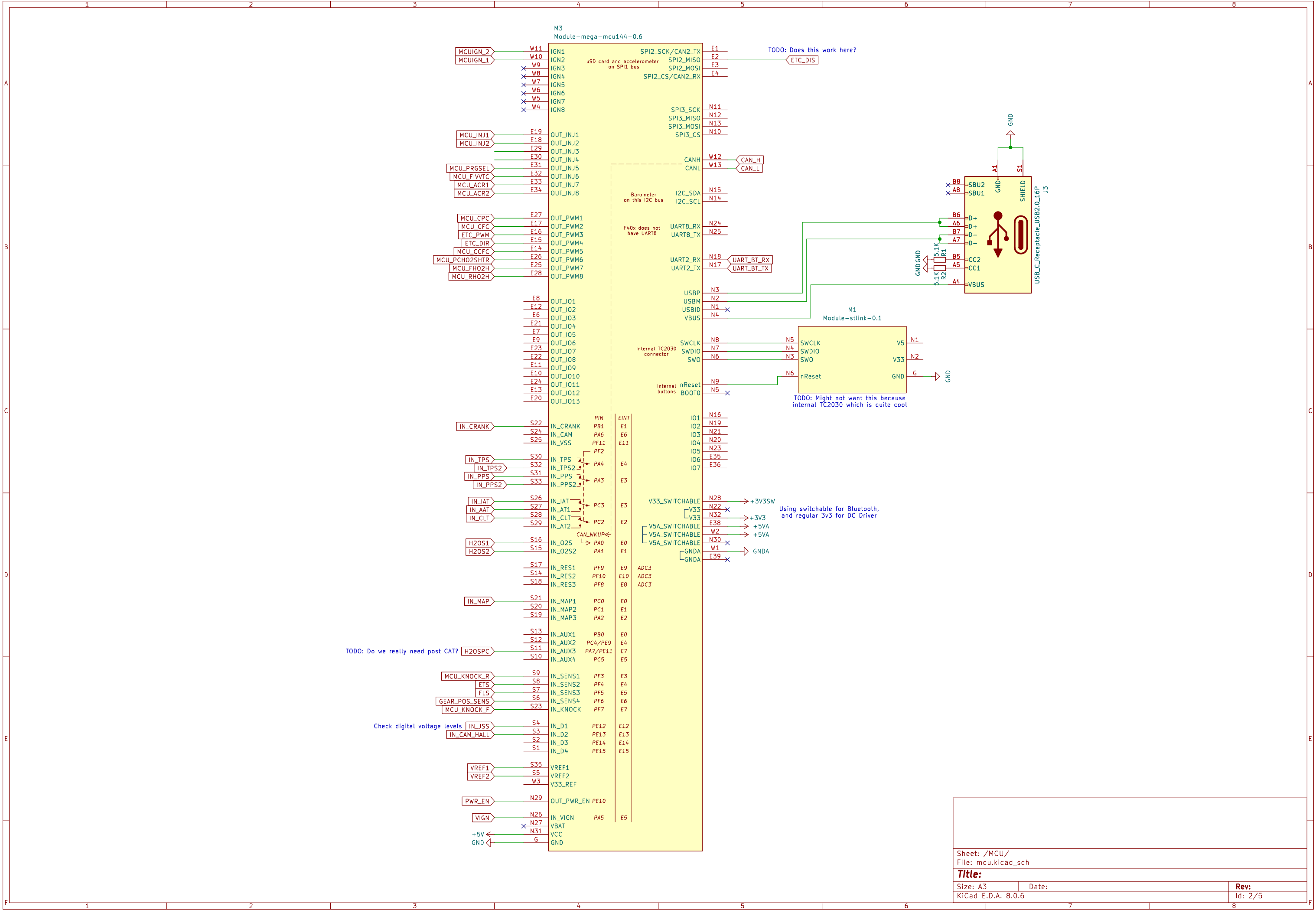
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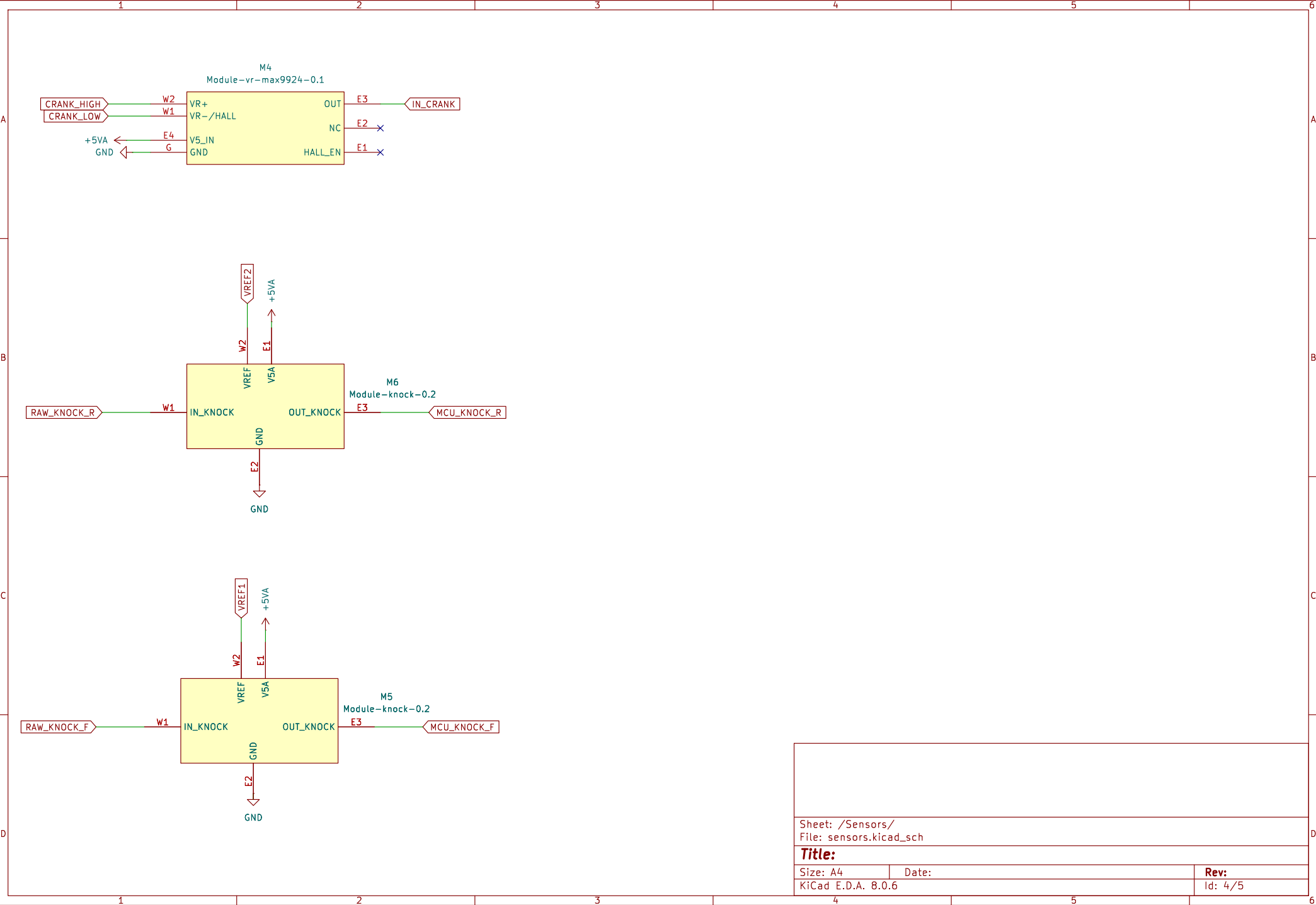
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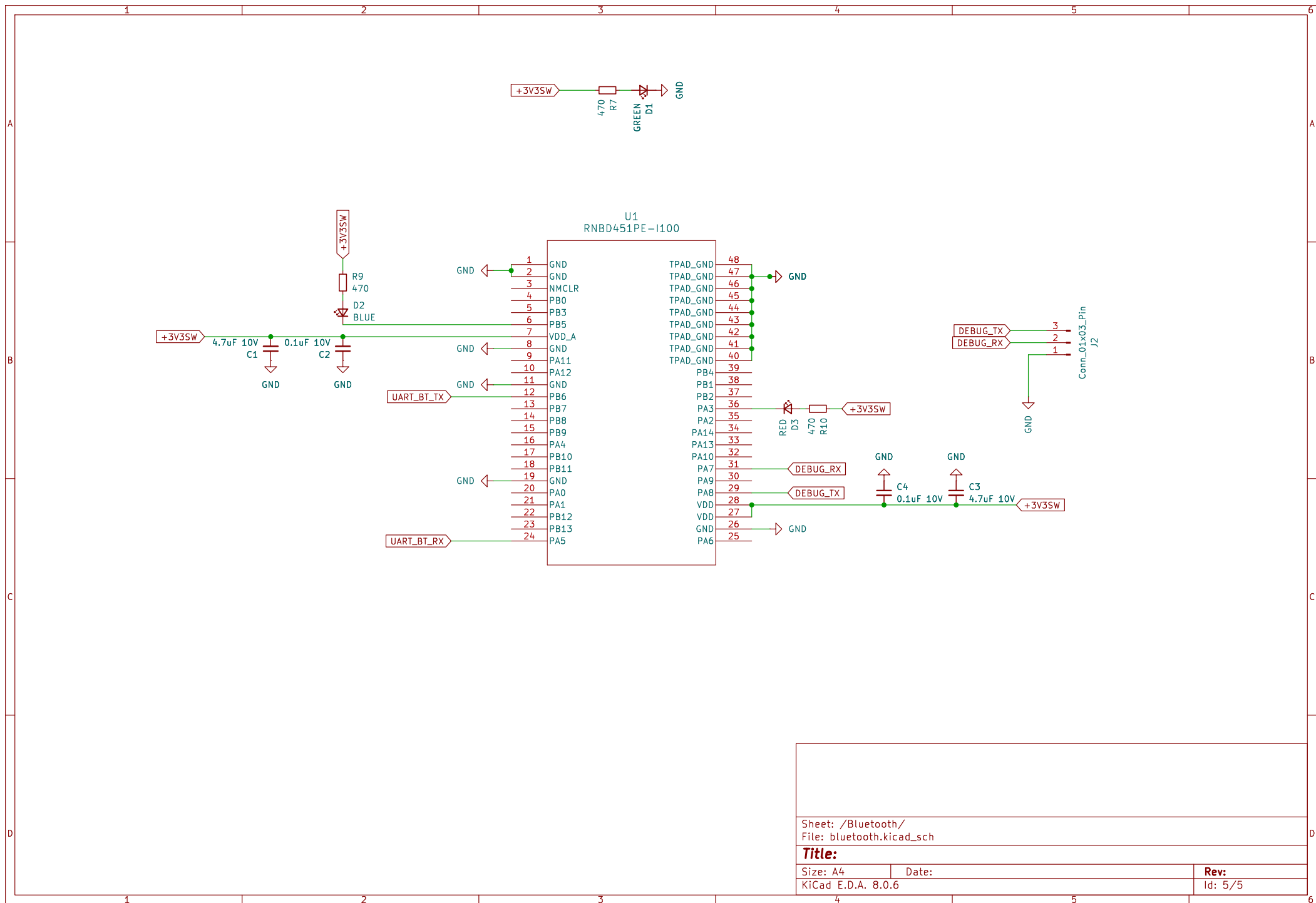
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KiCad E.D.A. 8.0.6	

Rev: A  
Id: 1/5





Sheet: /Sensors/ File: sensors.kicad_sch		
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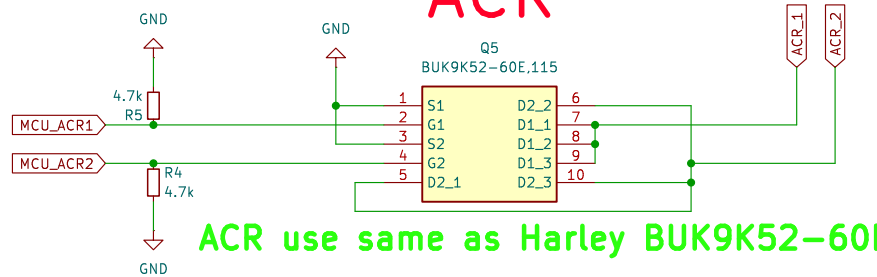
Rev:  
Id: 5/5

# INJECTORS



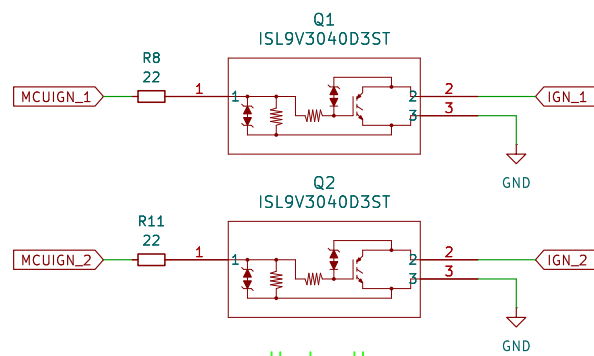
INJECTORS MEASURED TO TAKE MAX 1A EACH WHEN OPEN  
VNLD5160TR-E should be fine  
HARLEY uses 2N06L35

ACR



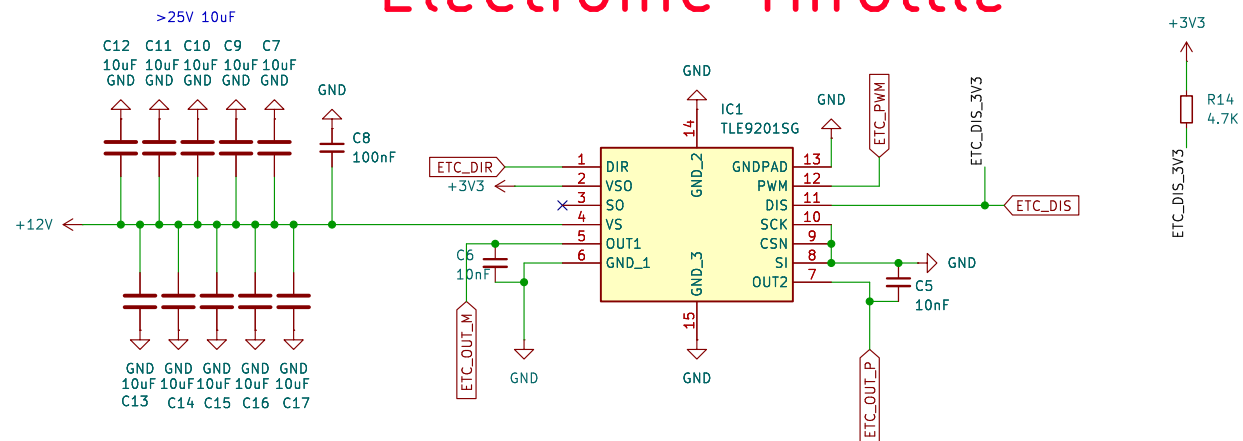
**ACR use same as Harley BUK9K52-60E**

# IGNITION

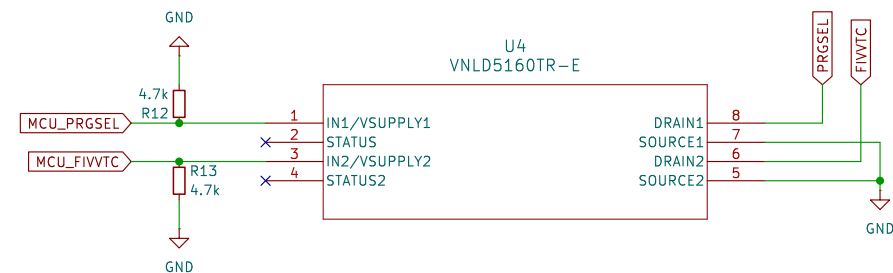


Harley Uses:  
<https://www.mouser.de/ProductDetail/onsemi/FGB3040G2-F085C?qs=2WXlatMagcHzMRj1hscbYQ%3D%3D>  
 ISL9V3040D3ST should work though

# Electronic Throttle

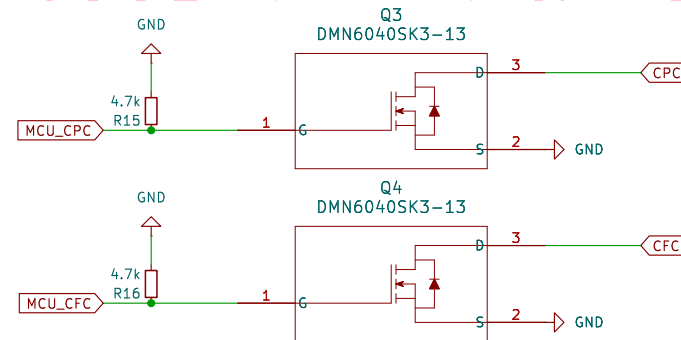


## PURGE & VVT SOLENOIDS



TODO: PURGE AND VVT SOLENOIDS NOT MEASURED YET AT ALL

## COOLANT FAN & PUMP



COOLANT FAN PULLS AROUND 4A WHEN CONSTANT 100%,  
INITIALLY PULLING UP TO 8A FOR GETTING SPINNING  
HARLEY USES: HUFA76429D3

POSSIBLE: <https://www.digikey.de/de/products/detail/onsemi/HUF76629D3ST/4553106>

AND: <https://www.digikey.de/de/products/detail/diodes-incorporated/DMN6040SK3-13/8545933>

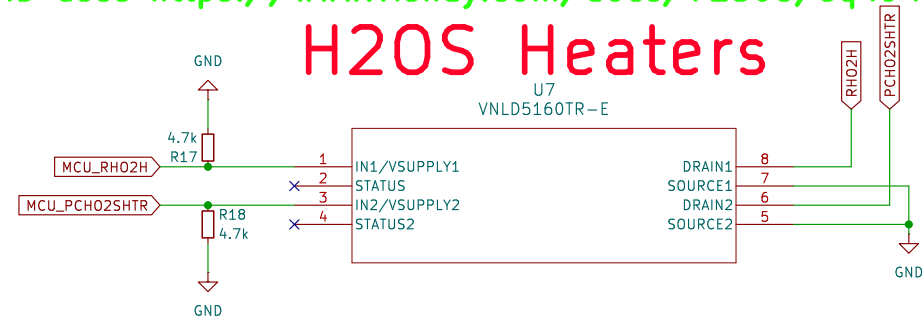
Weytronik: <https://www.digikey.de/de/products/detail/vishay-siliconix/SISS54DN-T1-GE3/14004251?s=N4lgTCBcDaIMoEk5wKwBYAiA5EBdAvkA>

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

VNLD5160TR-E should work. Will test

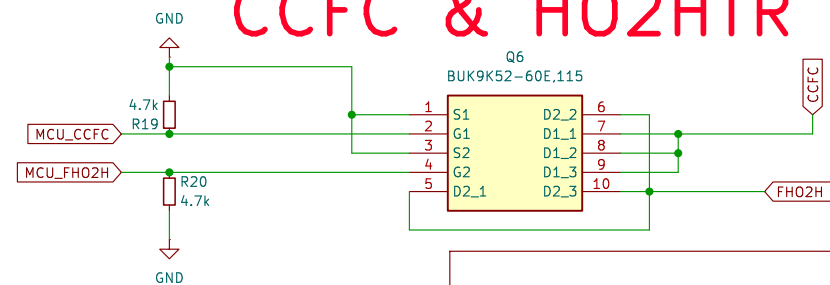
HD uses <https://www.vishay.com/docs/71506/sq4946aey.pdf>

## H2OS Heaters



CCFC: Harley uses 2N06L35  
TODO: Does this part really make sense?

## CCFC & H<sub>2</sub>O



Sheet: /Outputs/  
File: outputs.kicad\_sch

**Title:**

Size: A3

Date:

Rev: