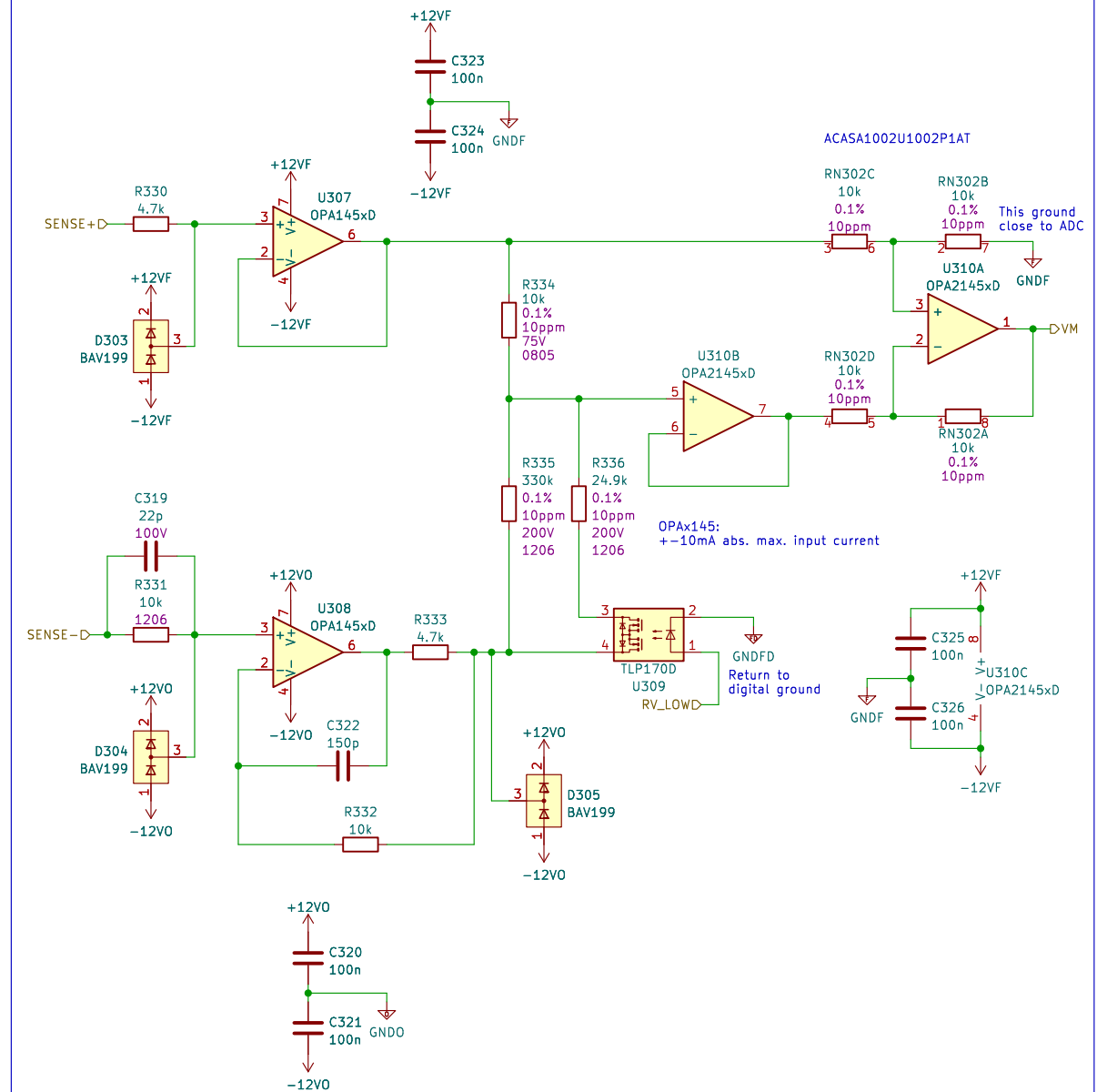


VOLTAGE RANGING AND MEASUREMENT

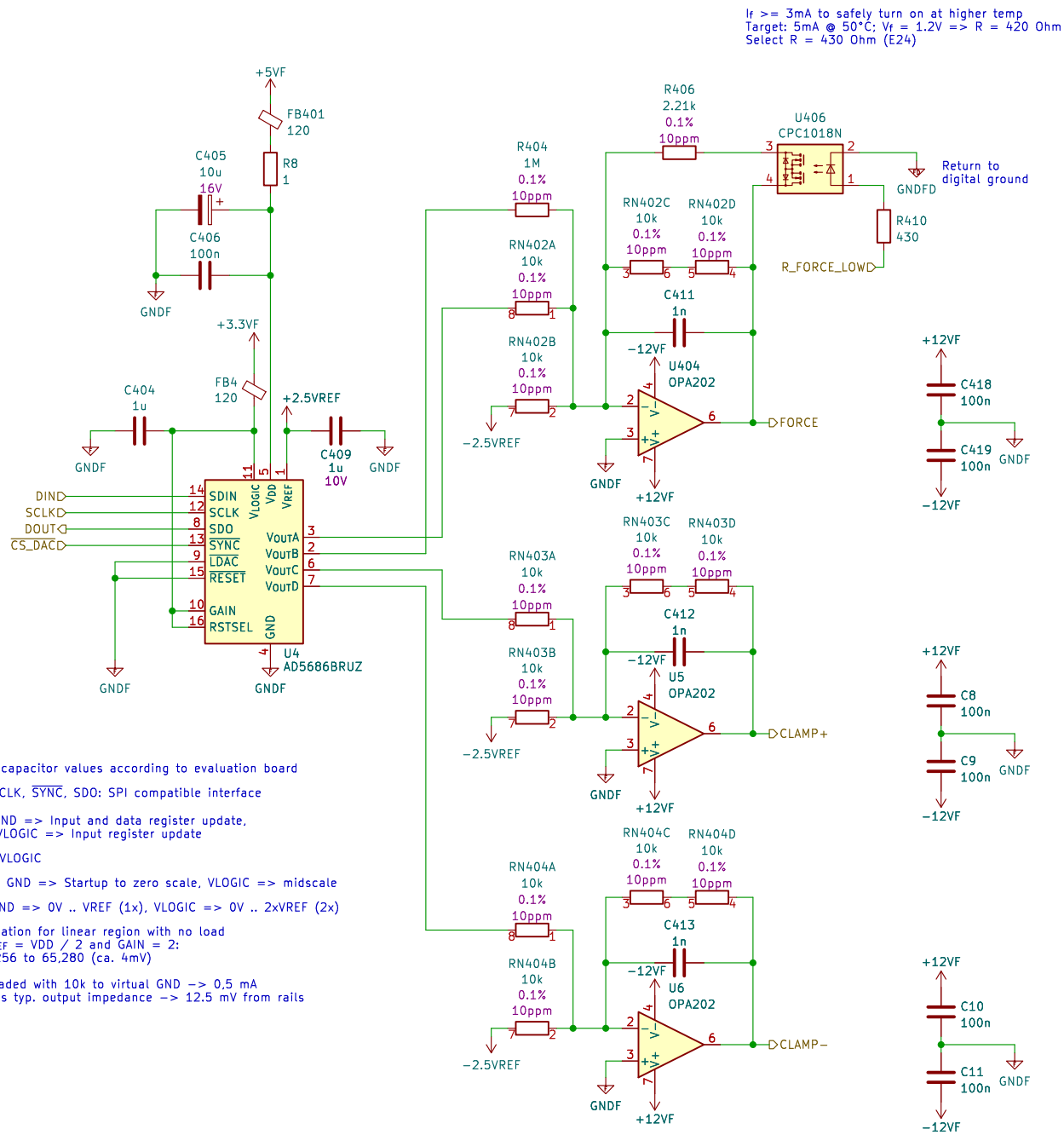


NOTE:

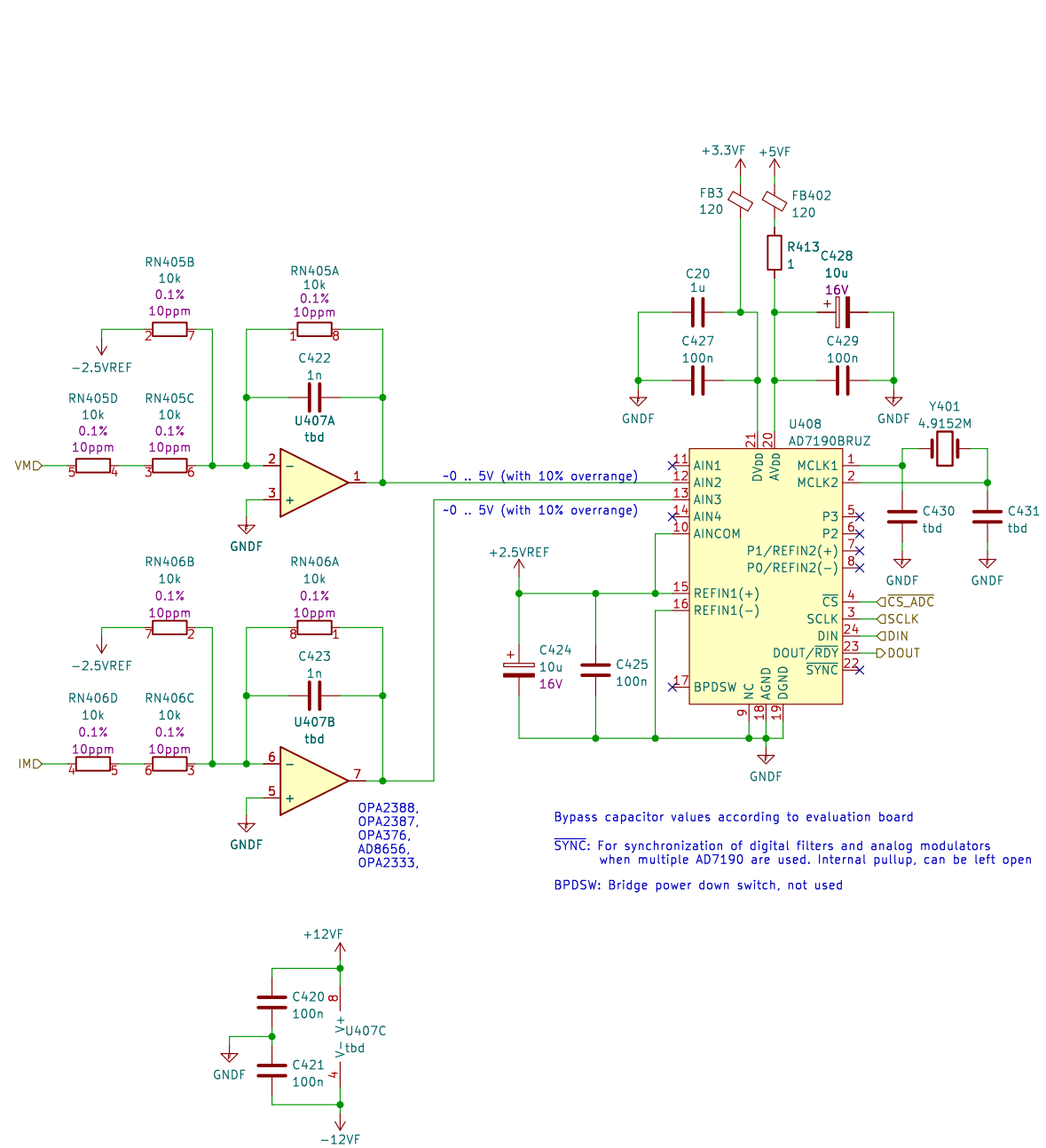
DG444:
R_{on} ~ 50R typ. @ 25°C
ΔR_{on} 0° .. 85°C: 25R typ.

Sheet: /iv_meas/ File: iv_meas.kicad_sch		
Title:		
Size: A3	Date:	Rev:
KiCad E.D.A. kicad 7.0.5-0		Id: 3/8

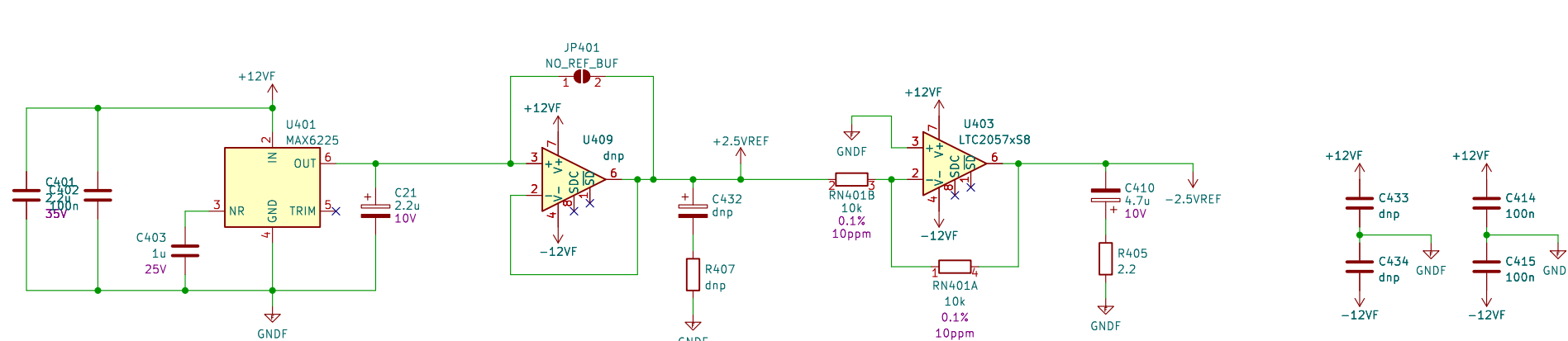
D/A CONVERTER, SIGNAL CONDITIONING, FORCE RANGING



SIGNAL CONDITIONING, A/D CONVERTER



PRECISION VOLTAGE REFERENCE



Sheet: /dac_adc/
 File: dac_adc.kicad_sch

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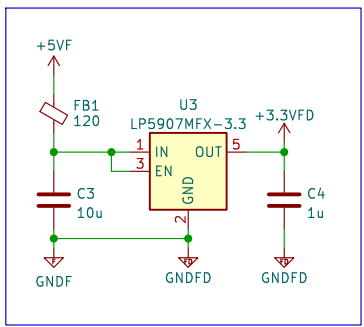
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KiCad E.D.A. kicad 7.0.5-0

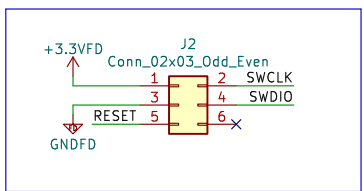
Rev:

Id: 4/8

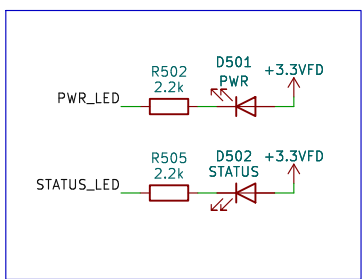
Digital power supply



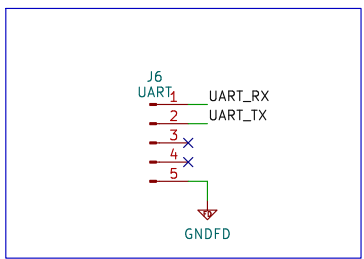
SWD interface



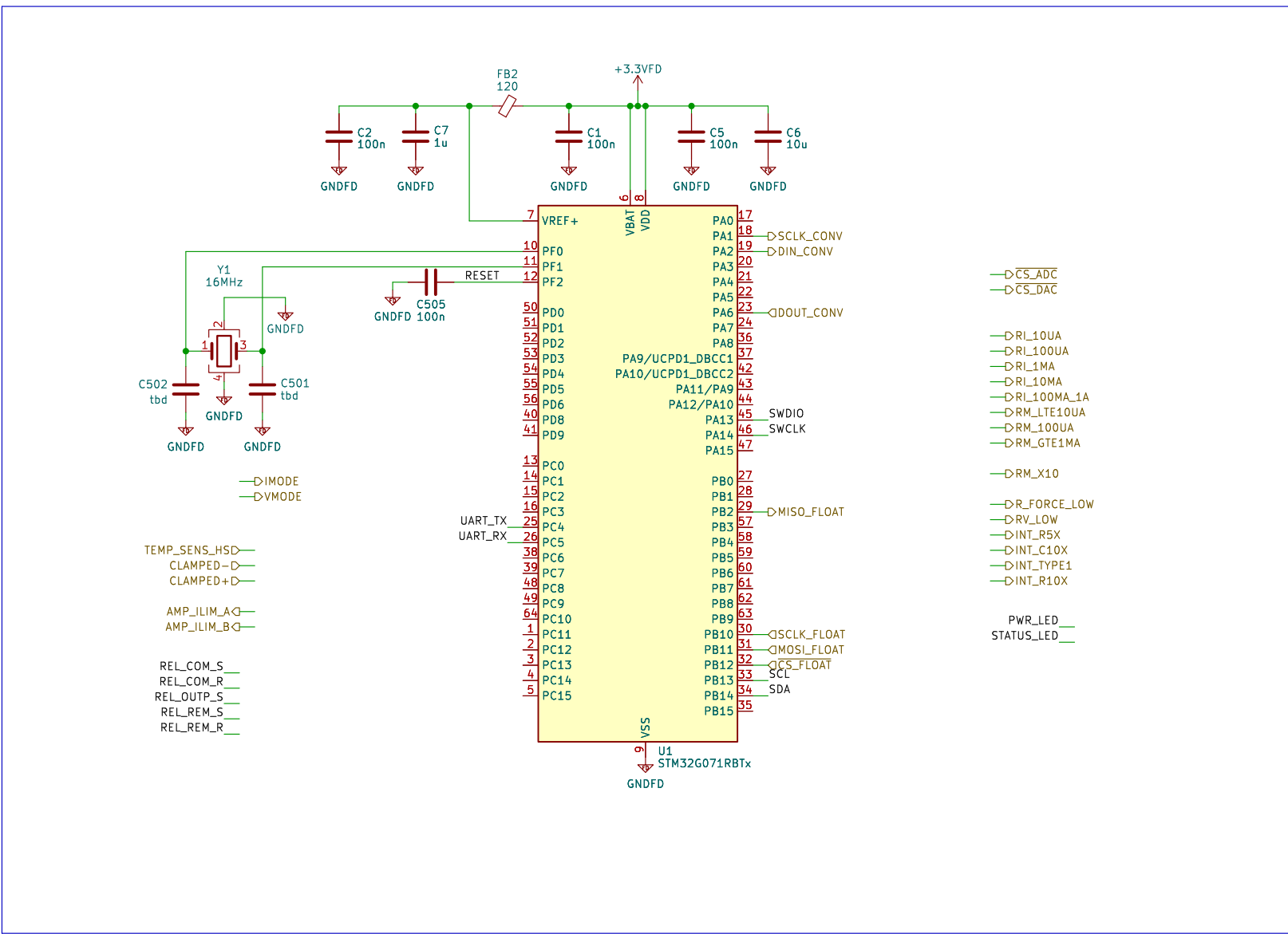
LEDs



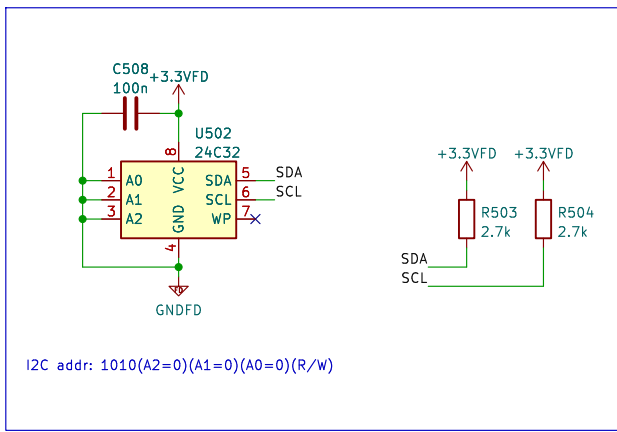
Debug UART (named from the perspective of μ C)



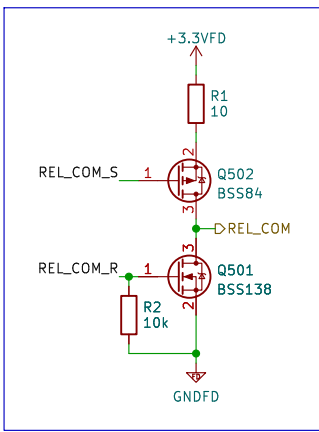
Floating MCU and Port Expander



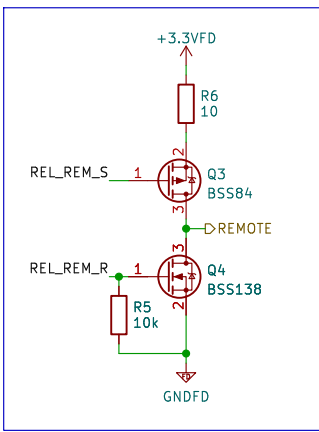
I2C pullups and calibration data EEPROM



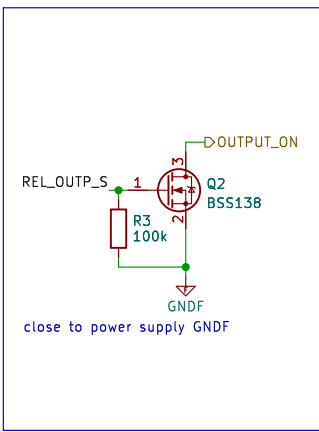
Relay common half bridge



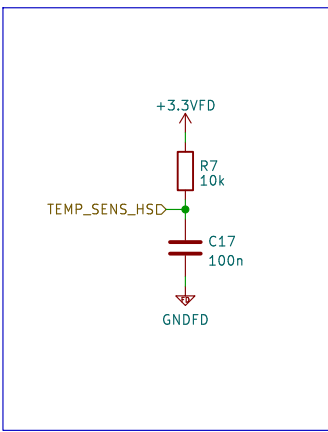
Remote Relay half bridge



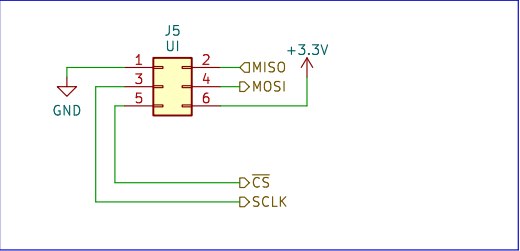
Output Relay



Temperature sensor

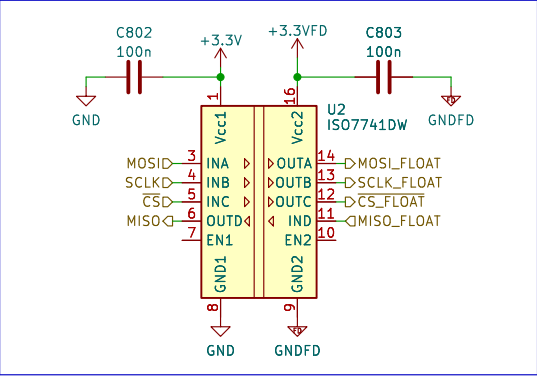


UI board connector

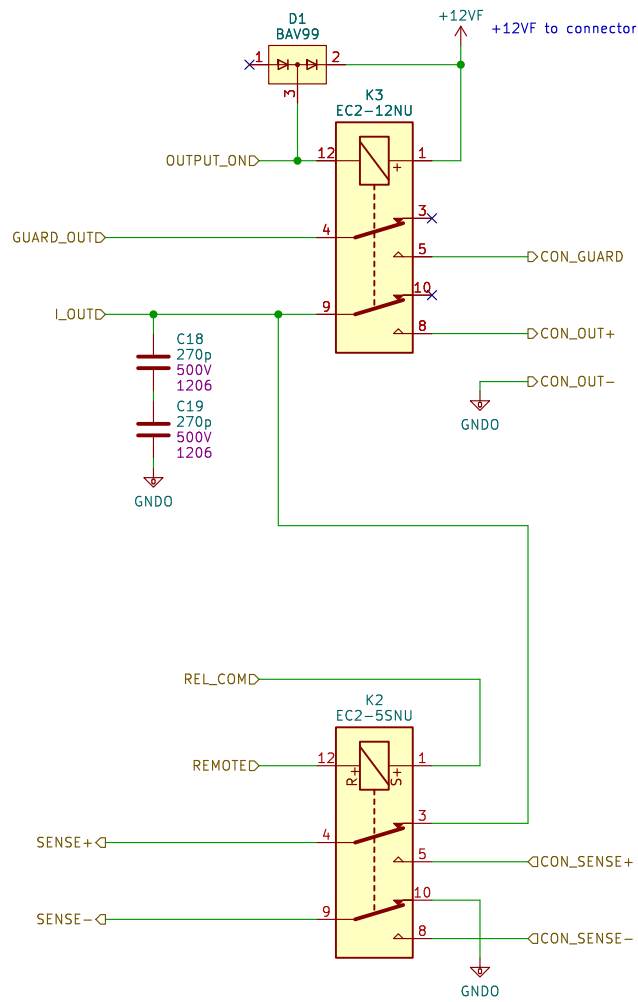


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Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.5-0	Id: 7/8	

Isolator earth referenced logic <--> floating logic



Sheet: /isolation/ File: isolation.kicad_sch		
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Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.5-0		Id: 8/8



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Date:

Rev:
Id: 9/8