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Sheet: /MOSFET Loops/  
File: MOSFET-Loops.kicad\_sch

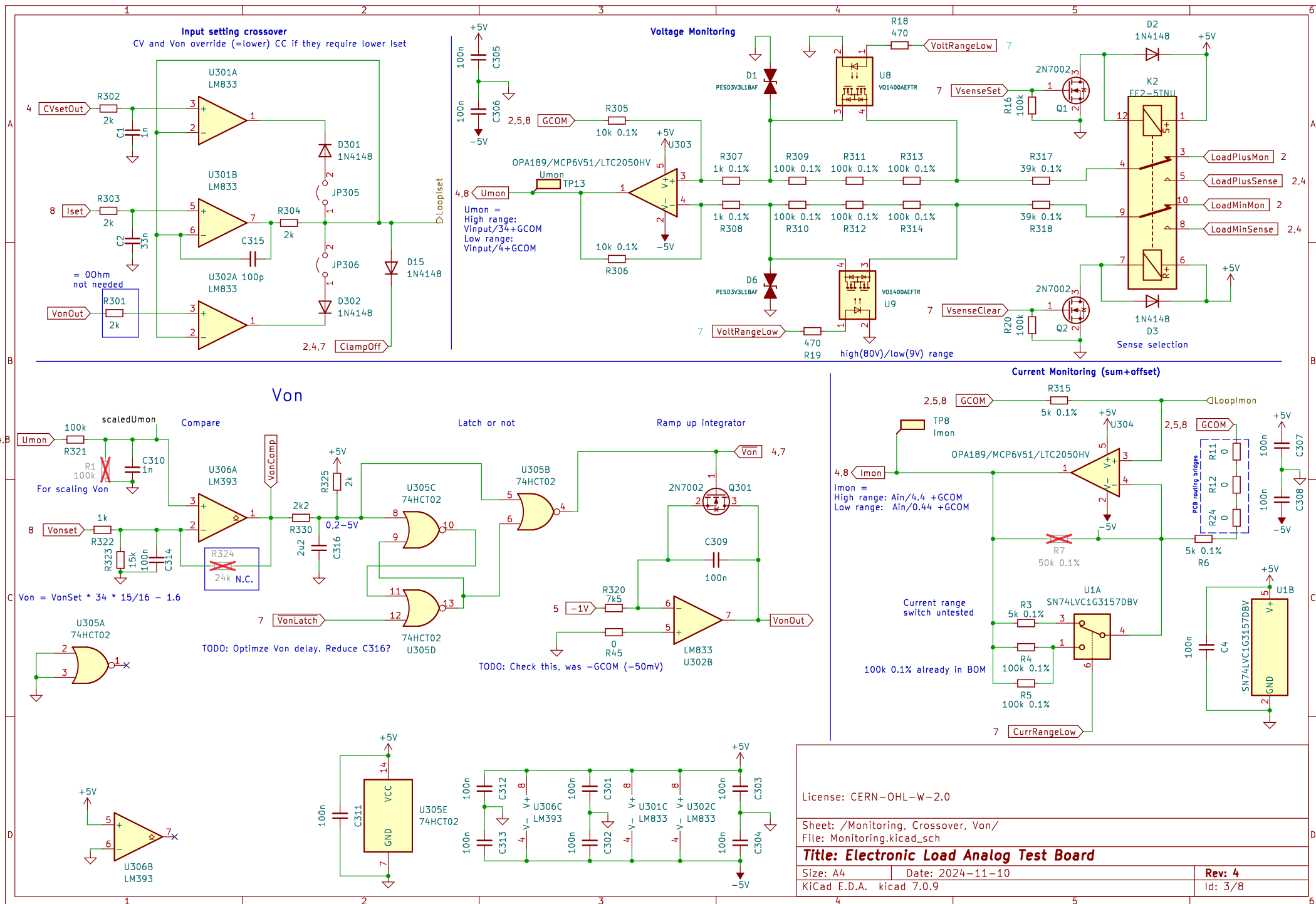
**Title: Electronic Load Analog Test Board**

Size: A4 Date: 2024-11-10

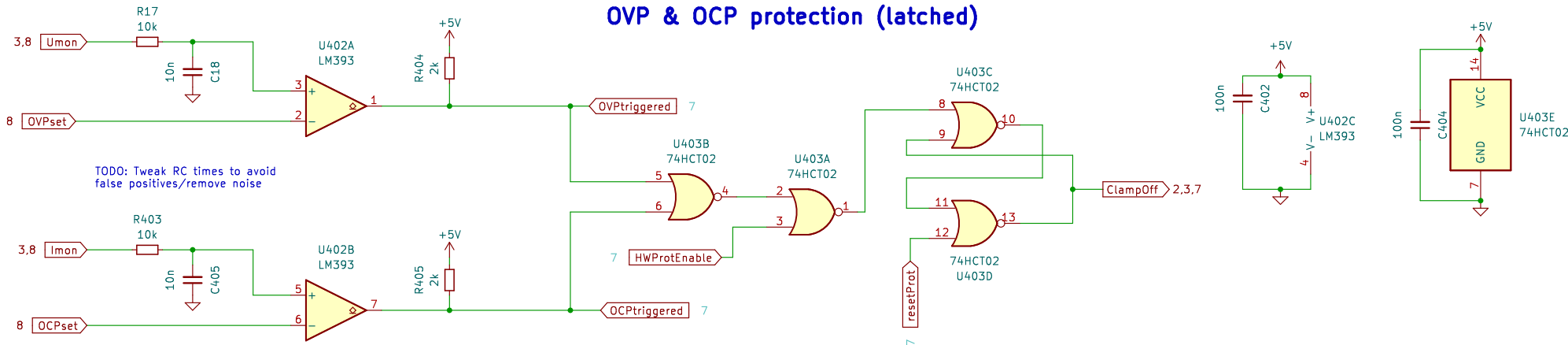
KiCad E.D.A. kicad 7.0.9

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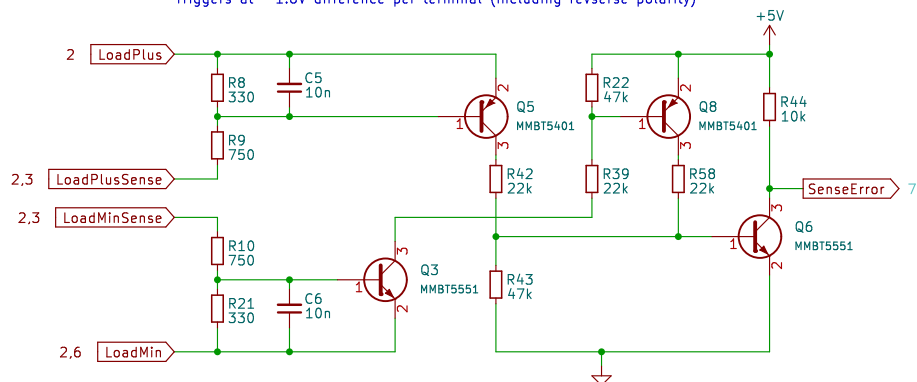


## OVP & OCP protection (latched)

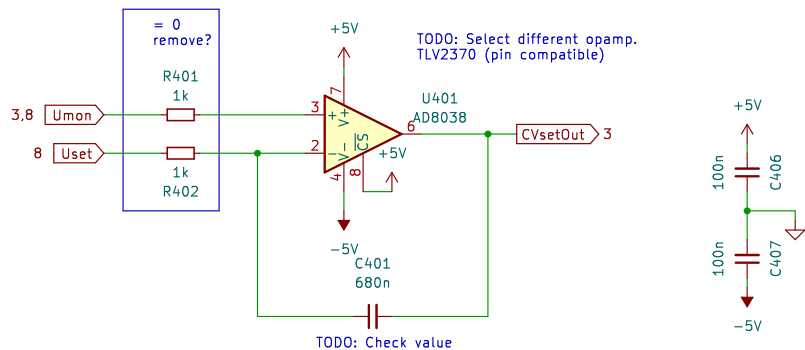


## Sense error detection

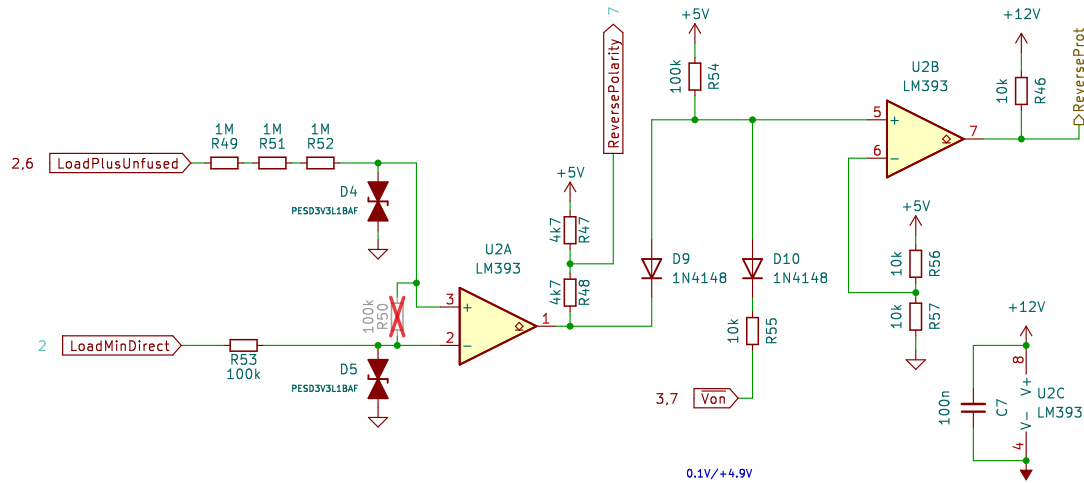
Triggers at ~ 1.6V difference per terminal (including reverse polarity)



## CV loop



## Detect reverse polarity



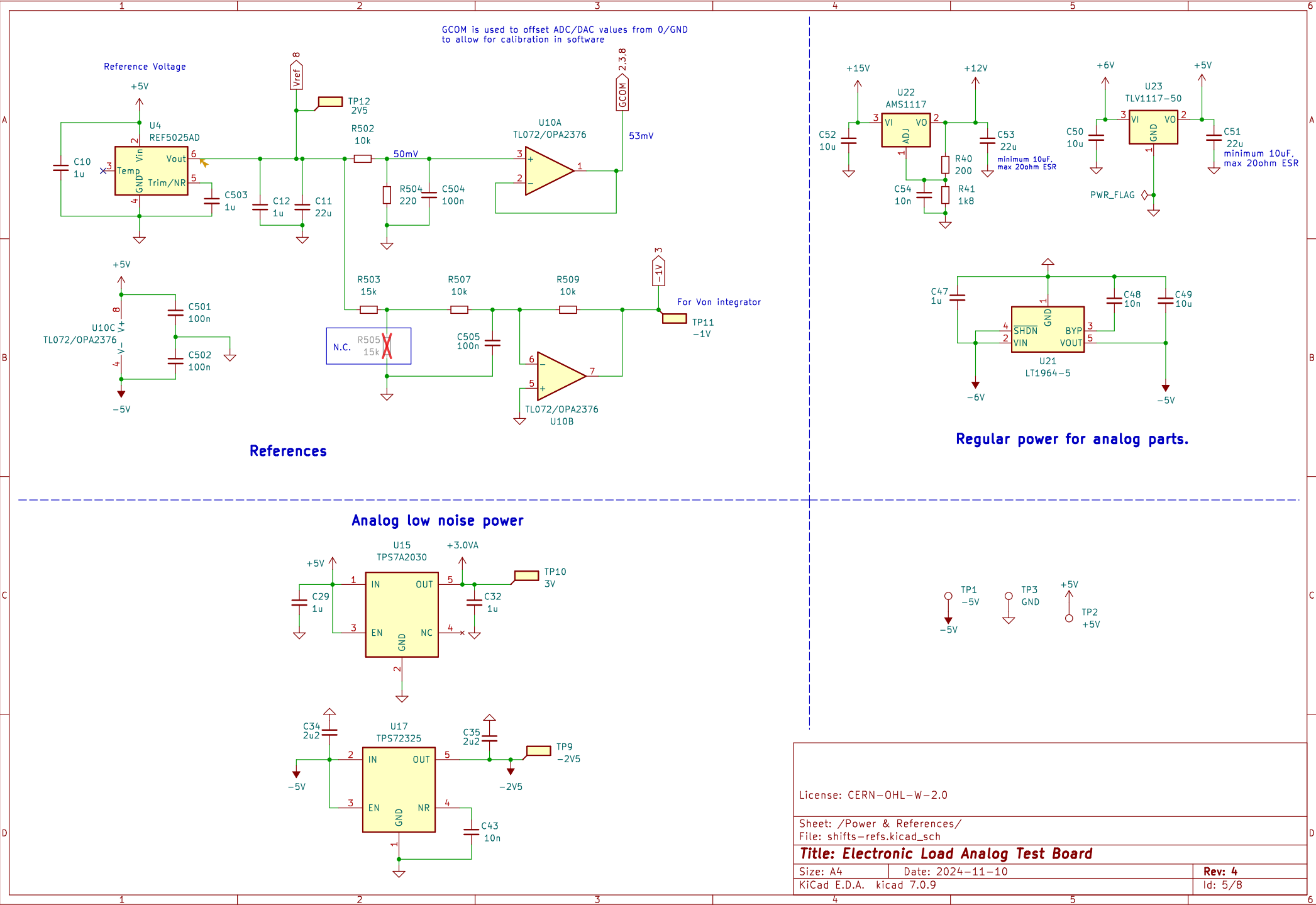
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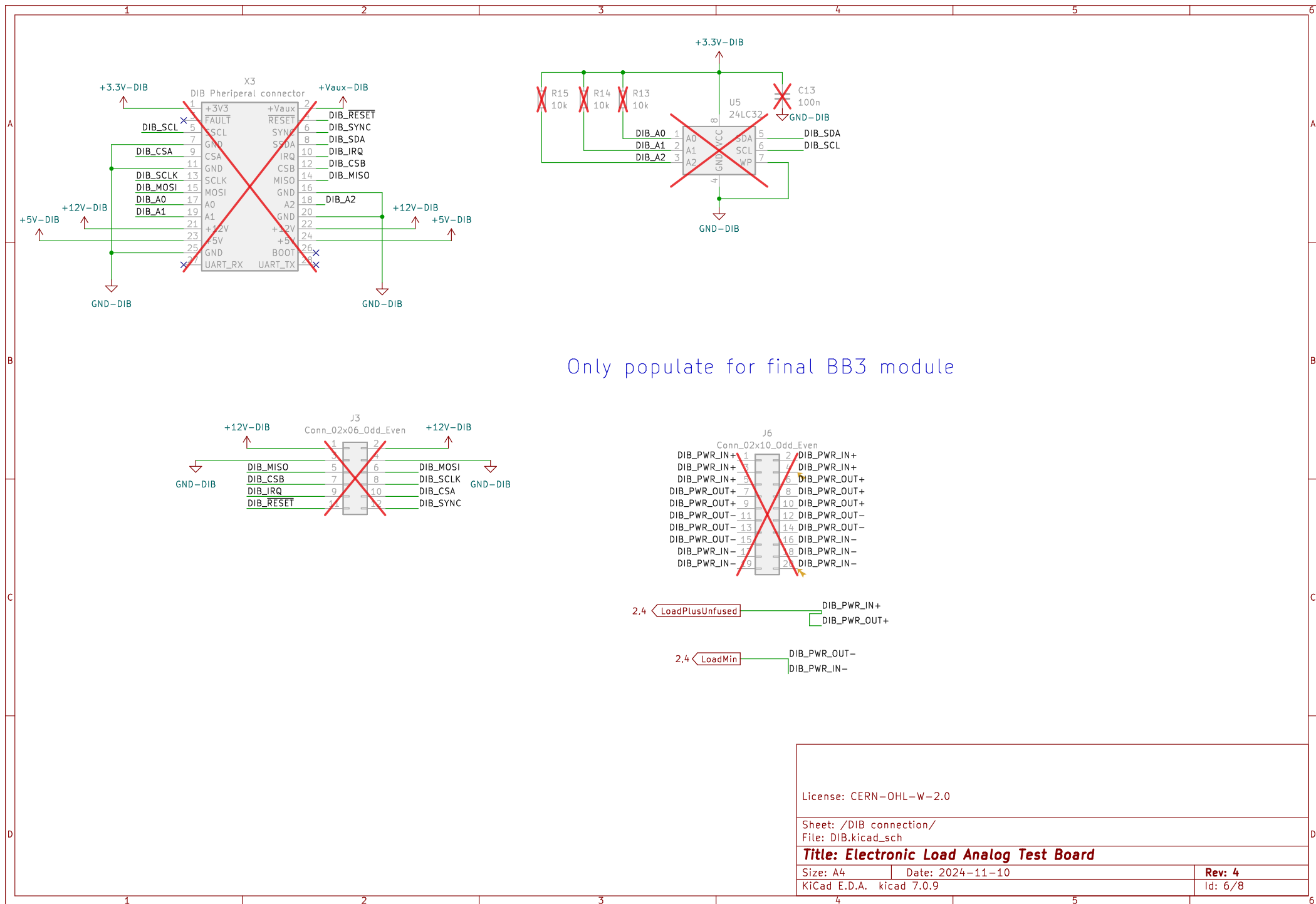
Sheet: /CV, OVP & OCP/  
File: cv-von.kicad\_sch

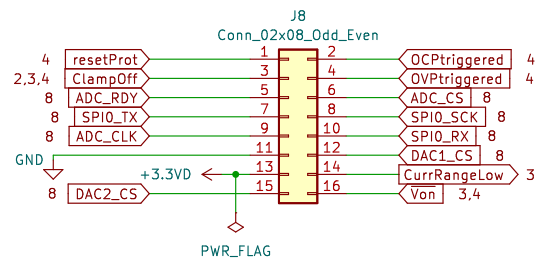
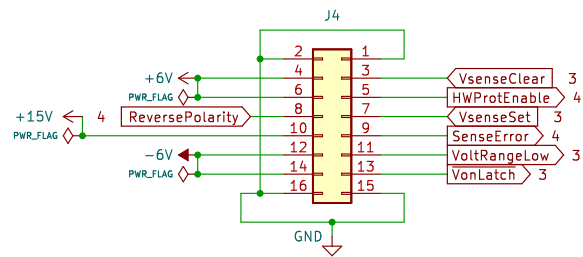
**Title: Electronic Load Analog Test Board**

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Sheet: /MCU connection/  
 File: MCU.kicad\_sch

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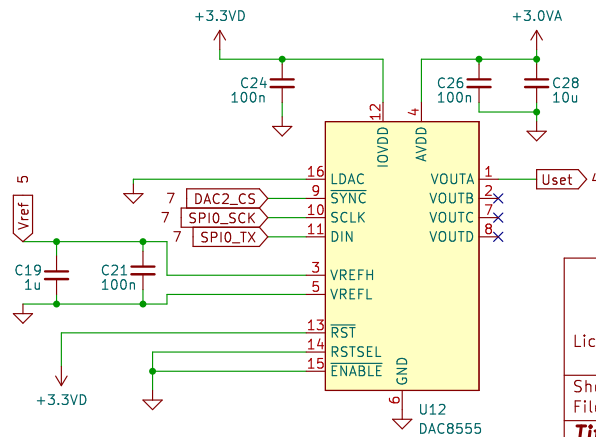
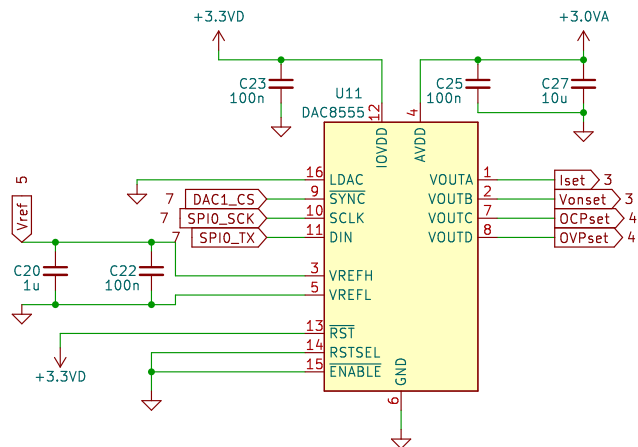
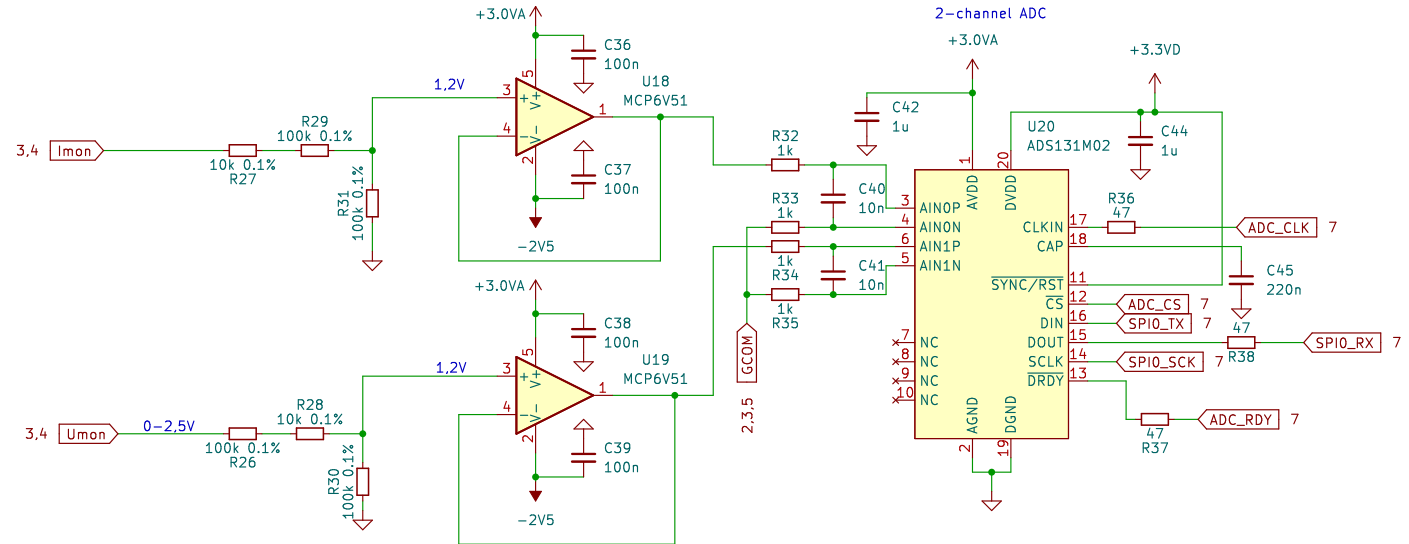
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ADC level adjustment  
Notes:  
- ADS131 supports negative voltages  
- max negative voltage -1.6V below GND



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Sheet: /DAC & ADC/  
File: dac\_adc.kicad\_sch

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