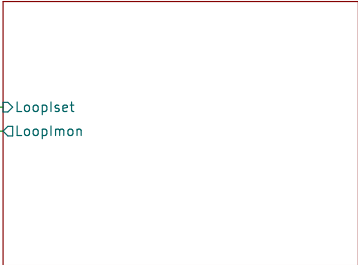


CV, OVP & OCP



File: cv-von.kicad_sch

MOSFET Loops



File: MOSFET-Loops.kicad_sch

Monitoring, Crossover, Von



File: Monitoring.kicad_sch

LoopIsetD LoopIset
LoopImonC LoopImon

DAC & ADC



File: dac_adc.kicad_sch

MCU connection



File: MCU.kicad_sch

DIB connection



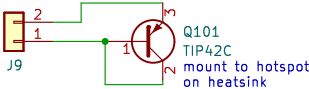
File: DIB.kicad_sch

Power & References

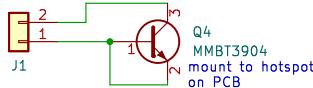


File: shifts-refs.kicad_sch

Temp Sensor heatsink



Temp Sensor PCB



HS102 Heatsink

- H101 MountingHole
- H102 MountingHole
- H103 MountingHole
- H104 MountingHole

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Sheet: /
File: EL-Load-Analog.kicad_sch

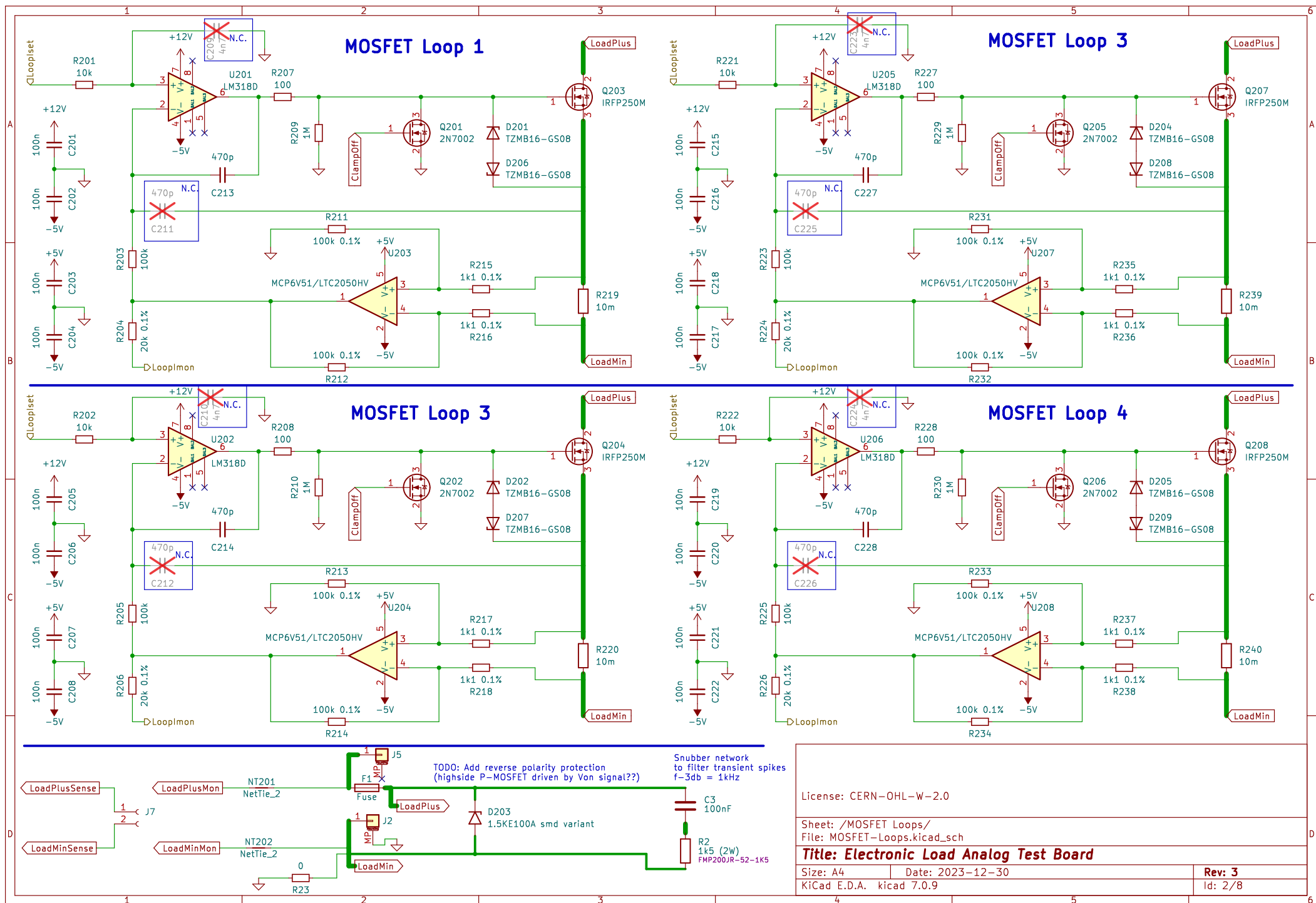
Title: Electronic Load Analog Test Board

Size: A4 Date: 2023-12-30

Rev: 3

KiCad E.D.A. kicad 7.0.9

Id: 1/8



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Sheet: /MOSFET Loops/
 File: MOSFET-Loops.kicad_sch

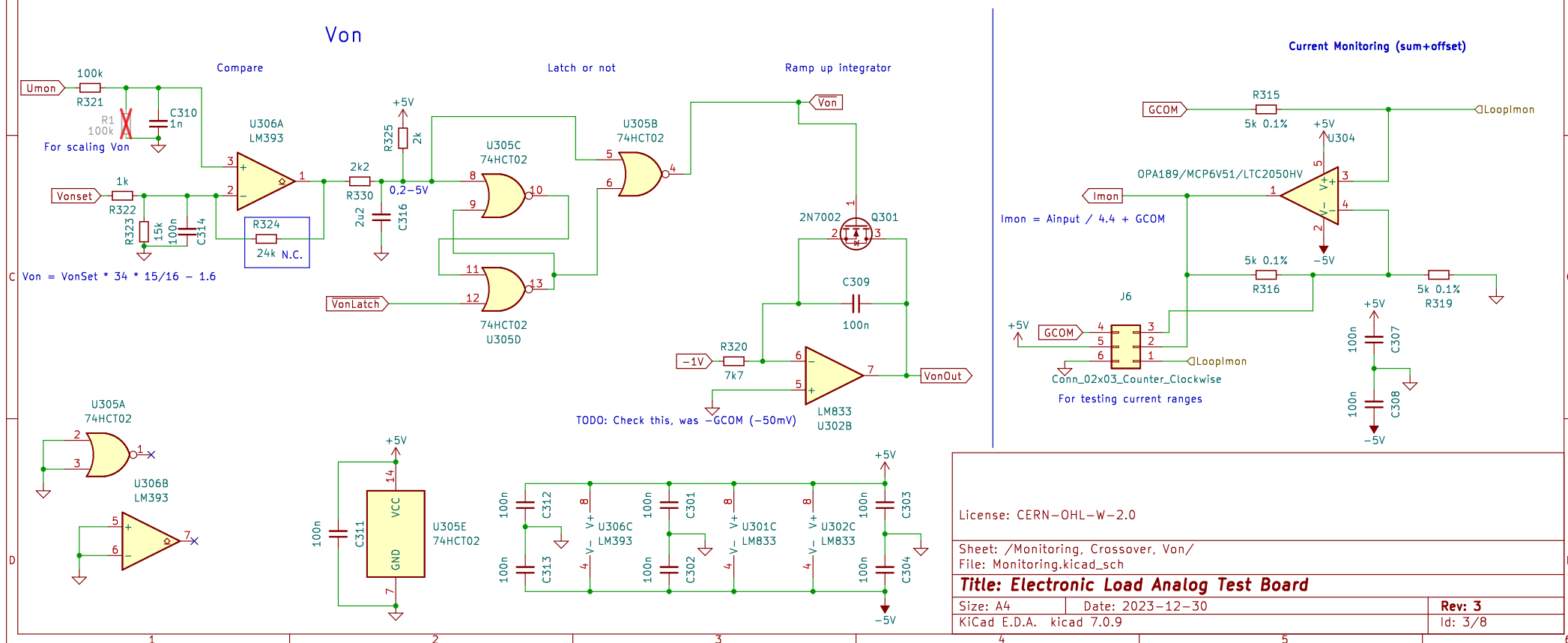
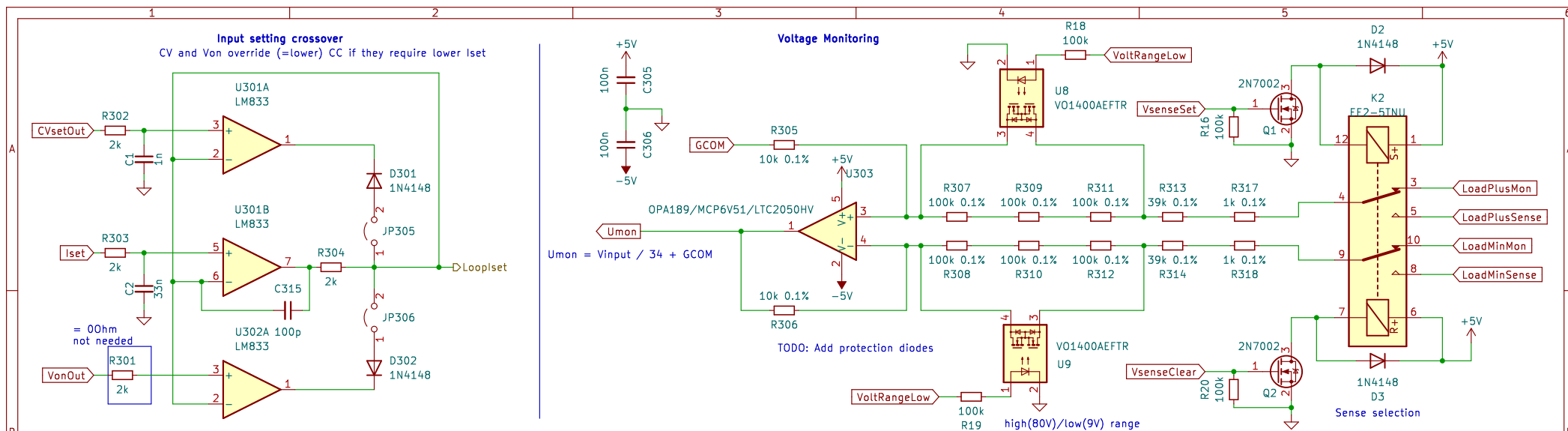
Title: Electronic Load Analog Test Board

Size: A4 Date: 2023-12-30

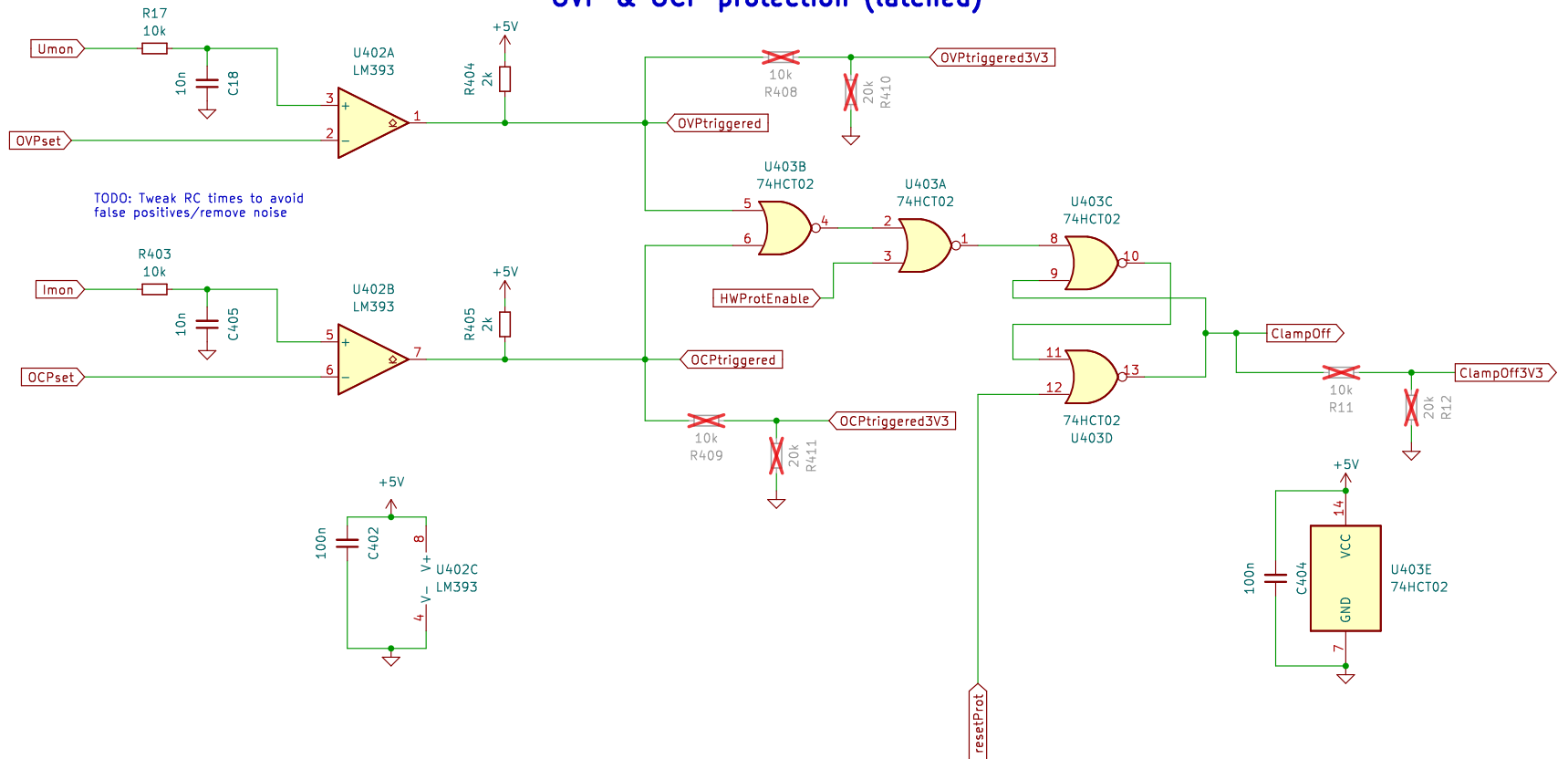
KiCad E.D.A. kicad 7.0.9

Rev: 3

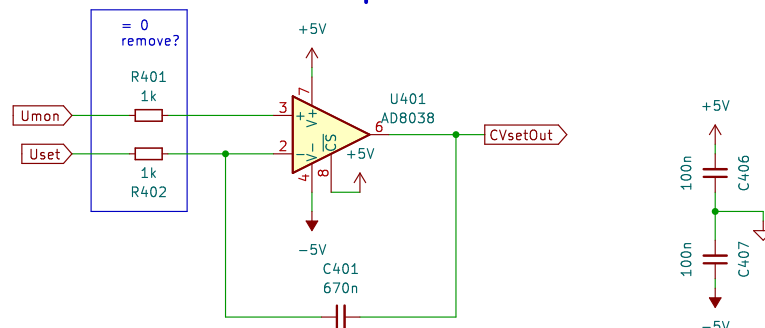
Id: 2/8



OVP & OCP protection (latched)



CV loop



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Sheet: /CV, OVP & OCP/
File: cv-von.kicad_sch

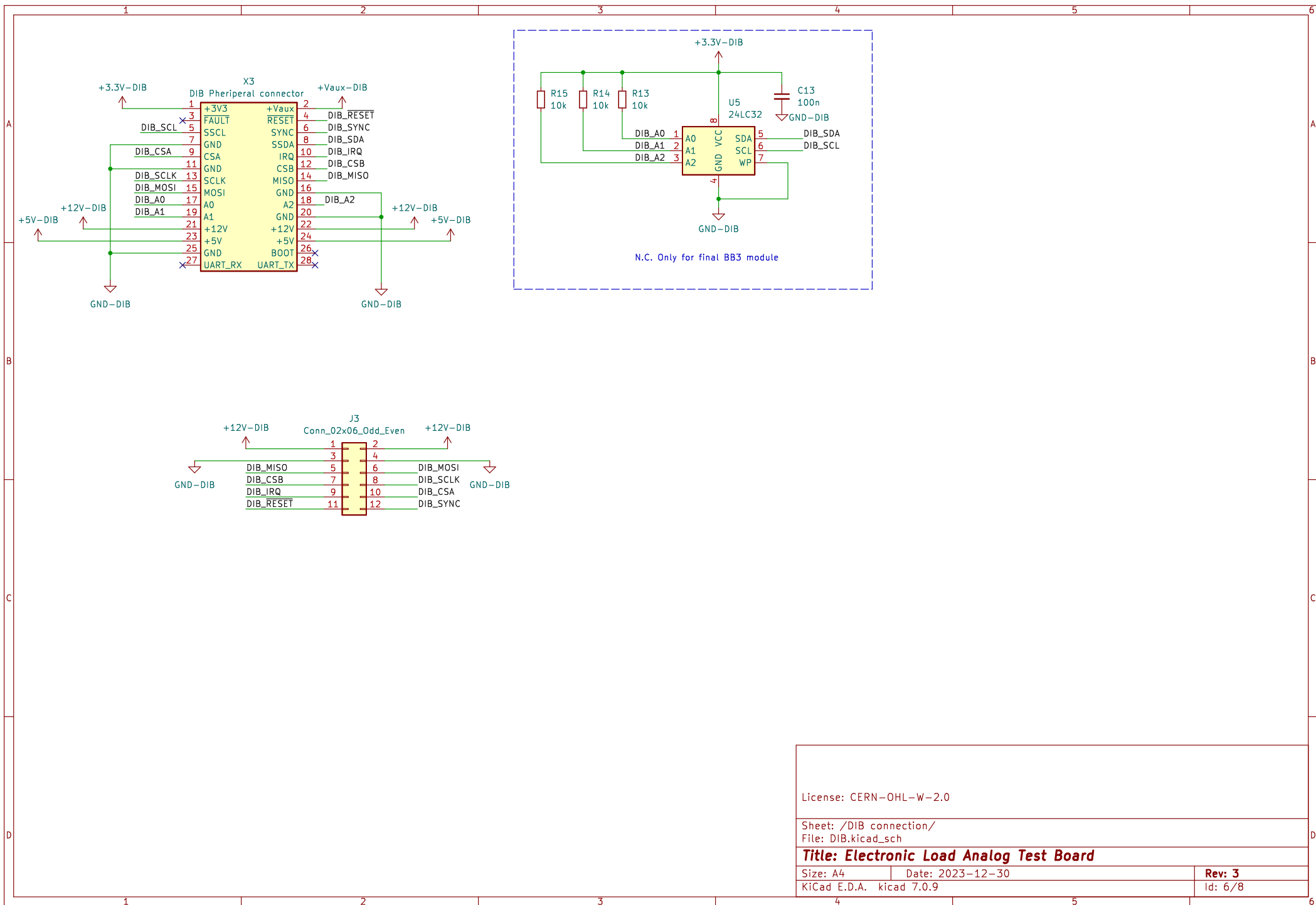
Title: Electronic Load Analog Test Board

Size: A4	Date: 2023-12-30
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Size: 7.1	Base: 7.1
KiCad E.D.A.	kicad 7.0.9

Rev: 3

Id: 4/8



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Sheet: /DIB connection/
File: DIB.kicad_sch

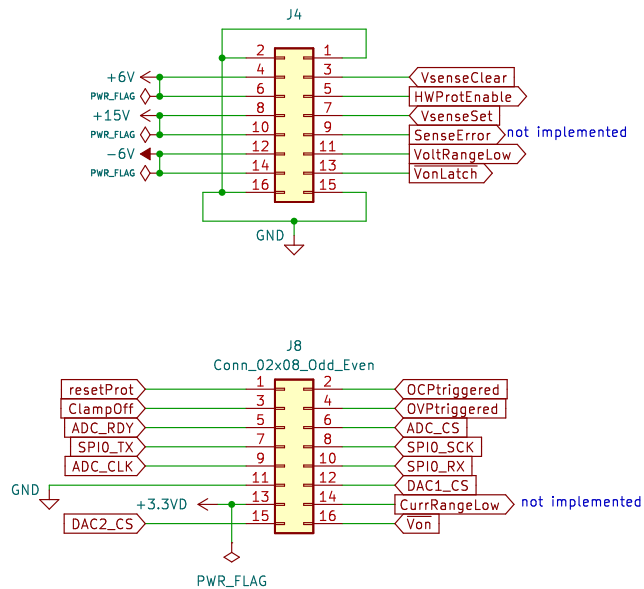
Title: Electronic Load Analog Test Board

Size: A4
KiCad E.D.A. kicad 7.0.9

Date: 2023-12-30

Rev: 3
Id: 6/8

- Connector 1 to/from DIB:
- 2x GND (2 pins)
 - SPI + CSA from DIB (4 pins)
 - Reset pin from DIB (1 pin)
 - CSB/Boot pin from DIB (1 pin)
 - 12V power from DIB. (1-2 pins)
- ==== 10 PINS
- Connector 2 to analog stuff.
- SPI + 3x CS from DAC+ADC (6 pins)
 - I2C from GPIO/MCP23008 + Fan control. (2 pins)
 - GND
- ==== 10 PINS



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Sheet: /MCU connection/
File: MCU.kicad_sch

Title: Electronic Load Analog Test Board

Size: A4 Date: 2023-12-30

KiCad E.D.A. kicad 7.0.9

Rev: 3

Id: 7/8

