

DIB isolators, EEPROM, ADC, MCU



File: DIB\_EEPROM\_ADC\_MCU.kicad\_sch

DAC, OE, Vref, IOEXP, Temp



File: DAC\_Vref\_IOEXP\_Temp.kicad\_sch

Power pre-regulator



File: Power\_pre-regulator.kicad\_sch

Bias power



File: Bias\_power.kicad\_sch

Post-regulator



File: Post-regulator.kicad\_sch

A

A

Rsense protection, power output, Rprog



File: Rsense\_protection\_power\_output.kicad\_sch

Mode detection, OVP



File: CC\_CV\_OVP.kicad\_sch

B

B

C

C

D

D



KK1  
PCB-MB-01   KK2  
PCB-MB-01



<https://www.envox.eu>  
 Power module with SMPS pre-regulator, remote sense & programming  
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**Envox d.o.o.**

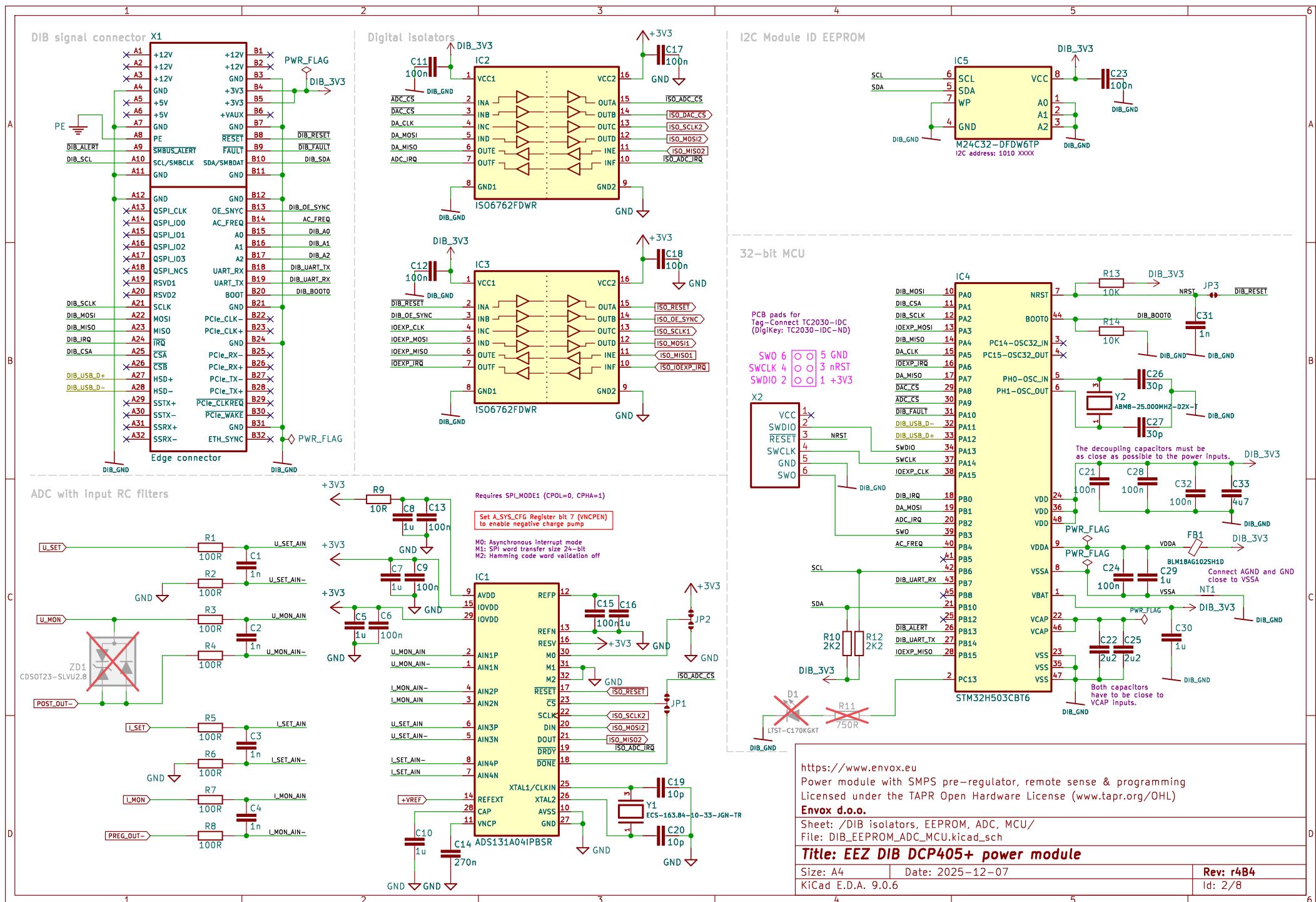
Sheet: /  
 File: EEZ\_DIB\_DCP405plus.kicad\_sch

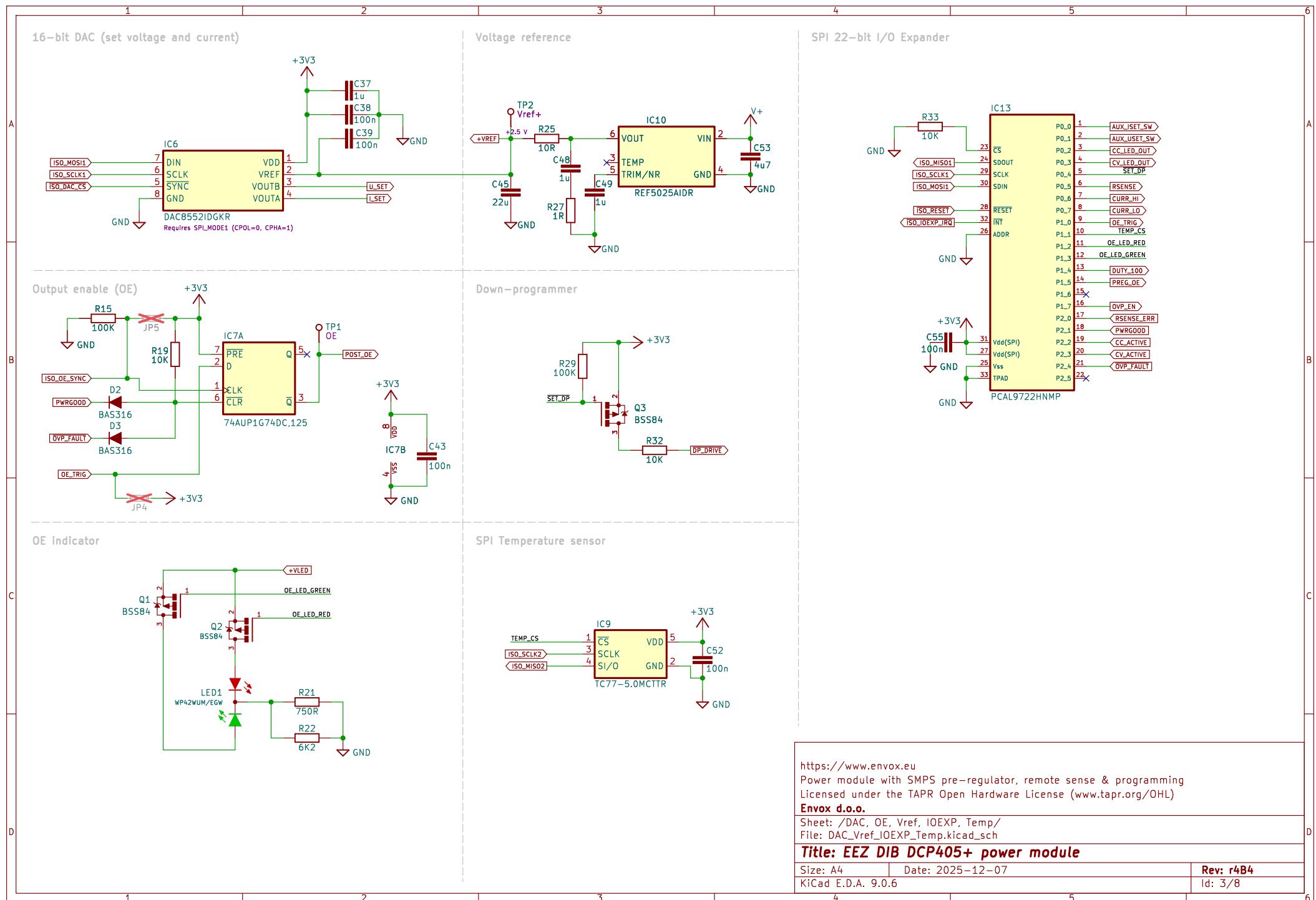
**Title: EEZ DIB DCP405+ power module**

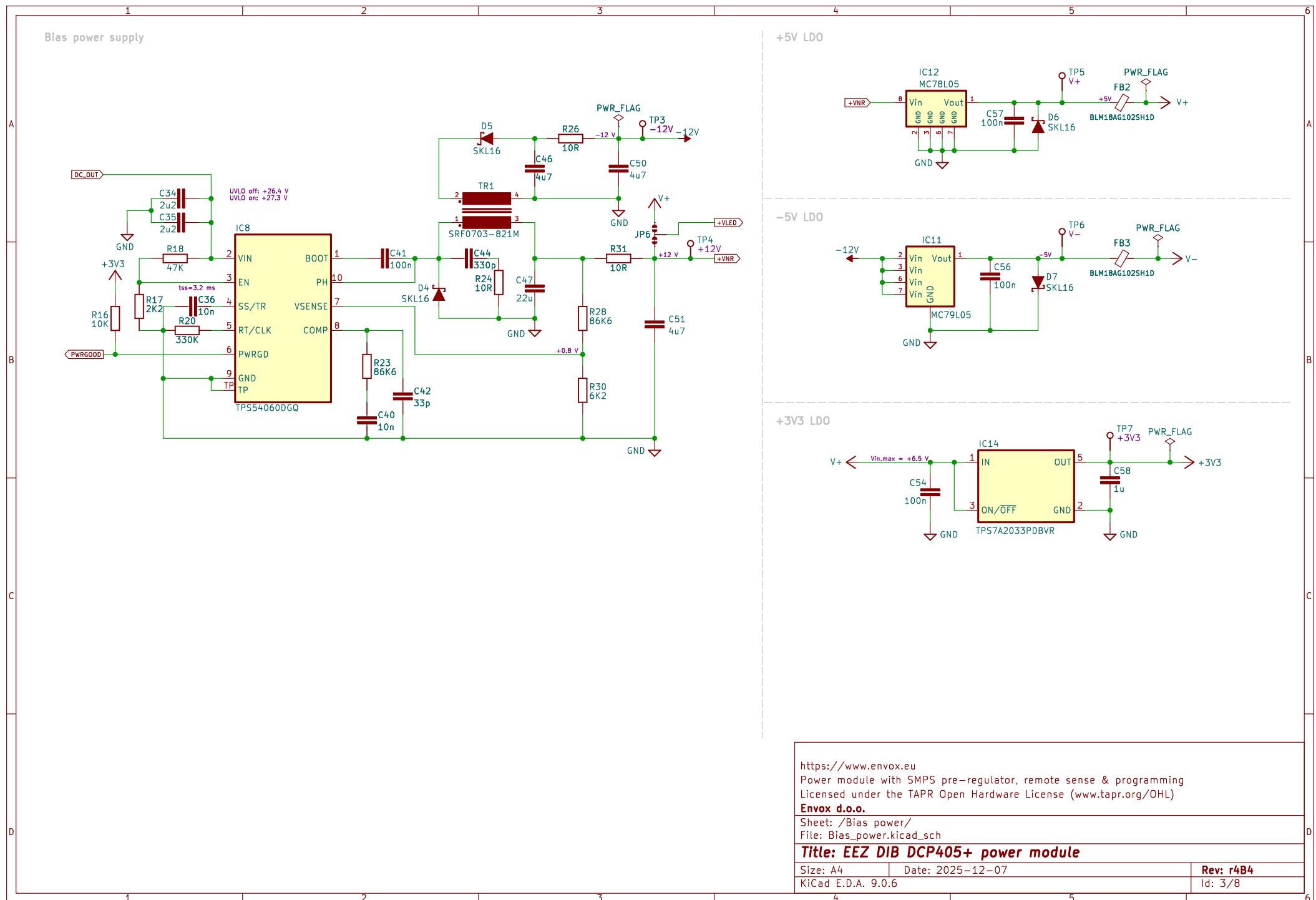
Size: A4   Date: 2025-12-07

KiCad E.D.A. 9.0.6

Rev: r4B4  
 Id: 1/8







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Sheet: /Bias power/  
File: Bias\_power.kicad\_sch

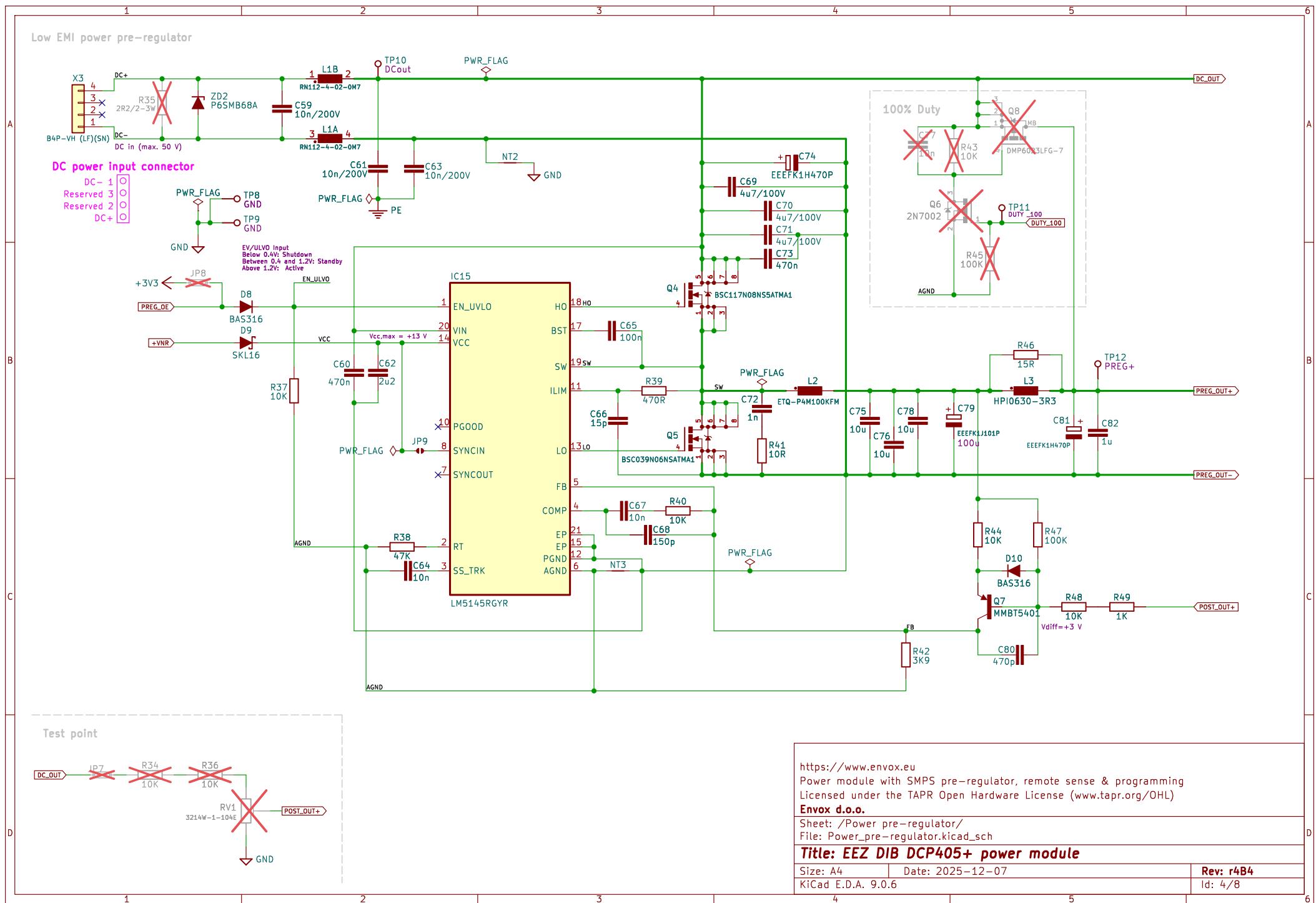
**Title: EEZ DIB DCP405+ power module**

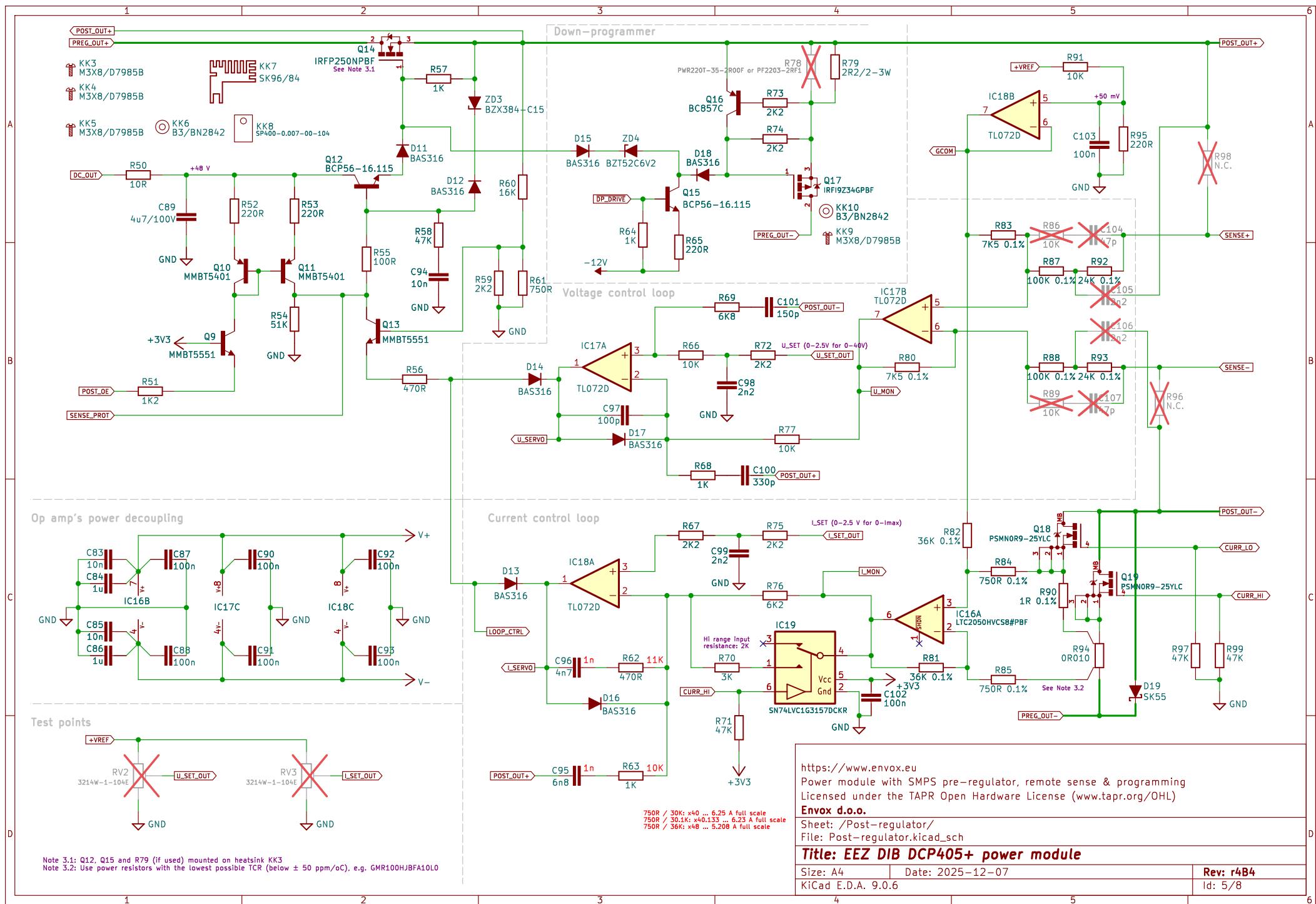
Size: A4 Date: 2025-12-07

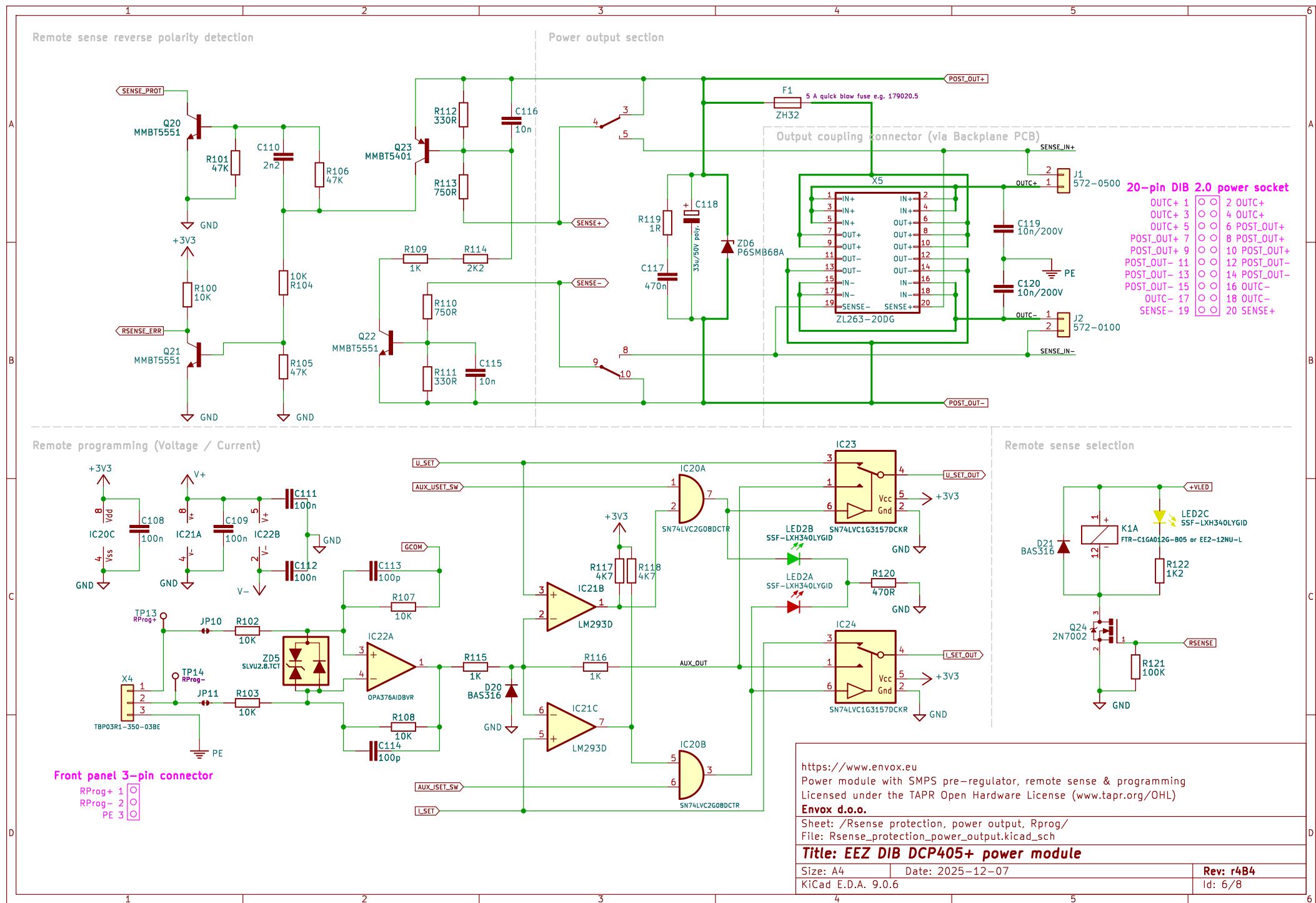
KiCad E.D.A. 9.0.6

Rev: r4B4

Id: 3/8

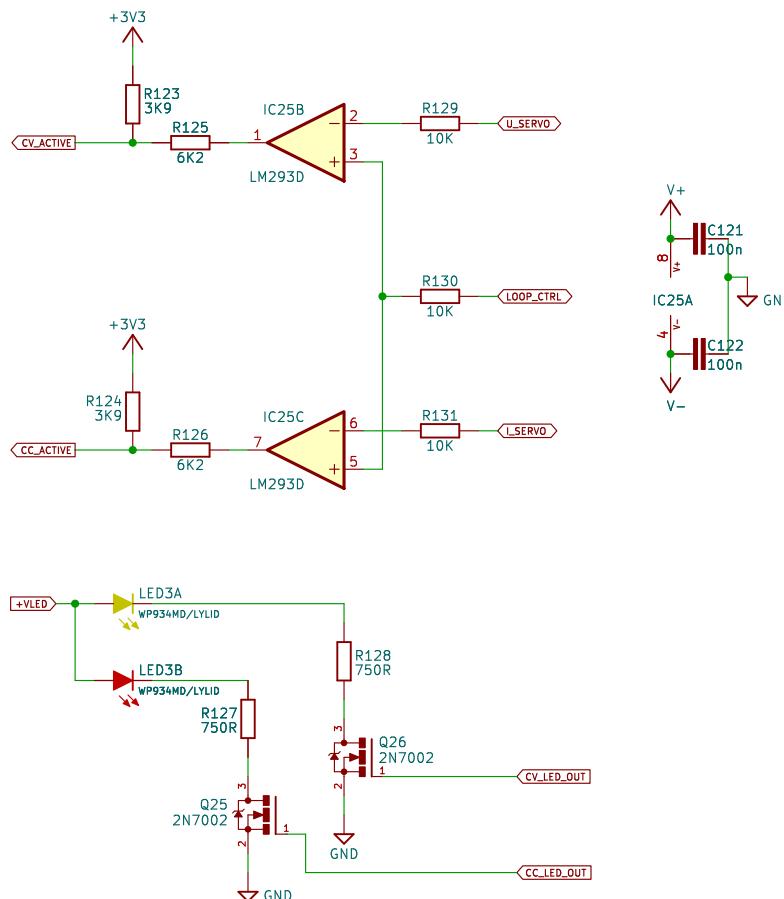




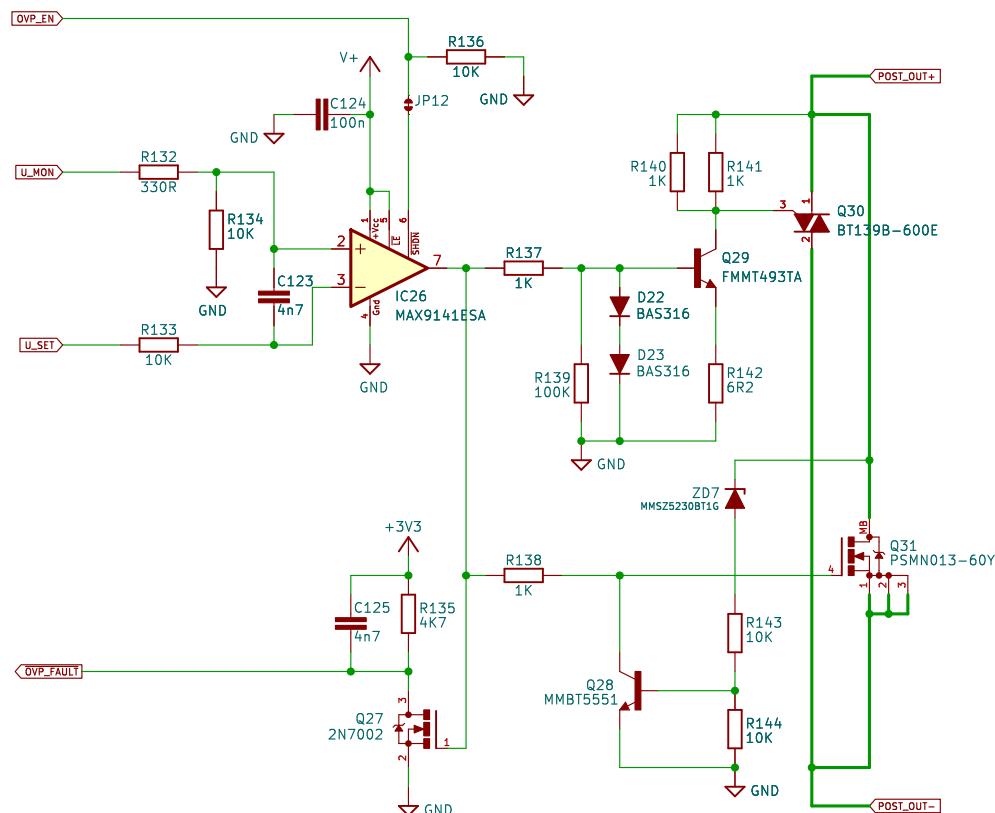


1 2 3 4 5 6

## Constant Voltage (CV) and Constant Current (CC) mode detection and indication



## Over-voltage protection (OVP)



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Sheet: /Mode detection, OVP/  
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**Title: EEZ DIB DCP405+ power module**

Size: A4 Date: 2025-12-07  
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1 2 3 4 5 6