

1

2

3

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6

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

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

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

Size: A4 Date: 2025-12-06

KiCad E.D.A. 9.0.6

Rev: r4B3

Id: 1/8

1

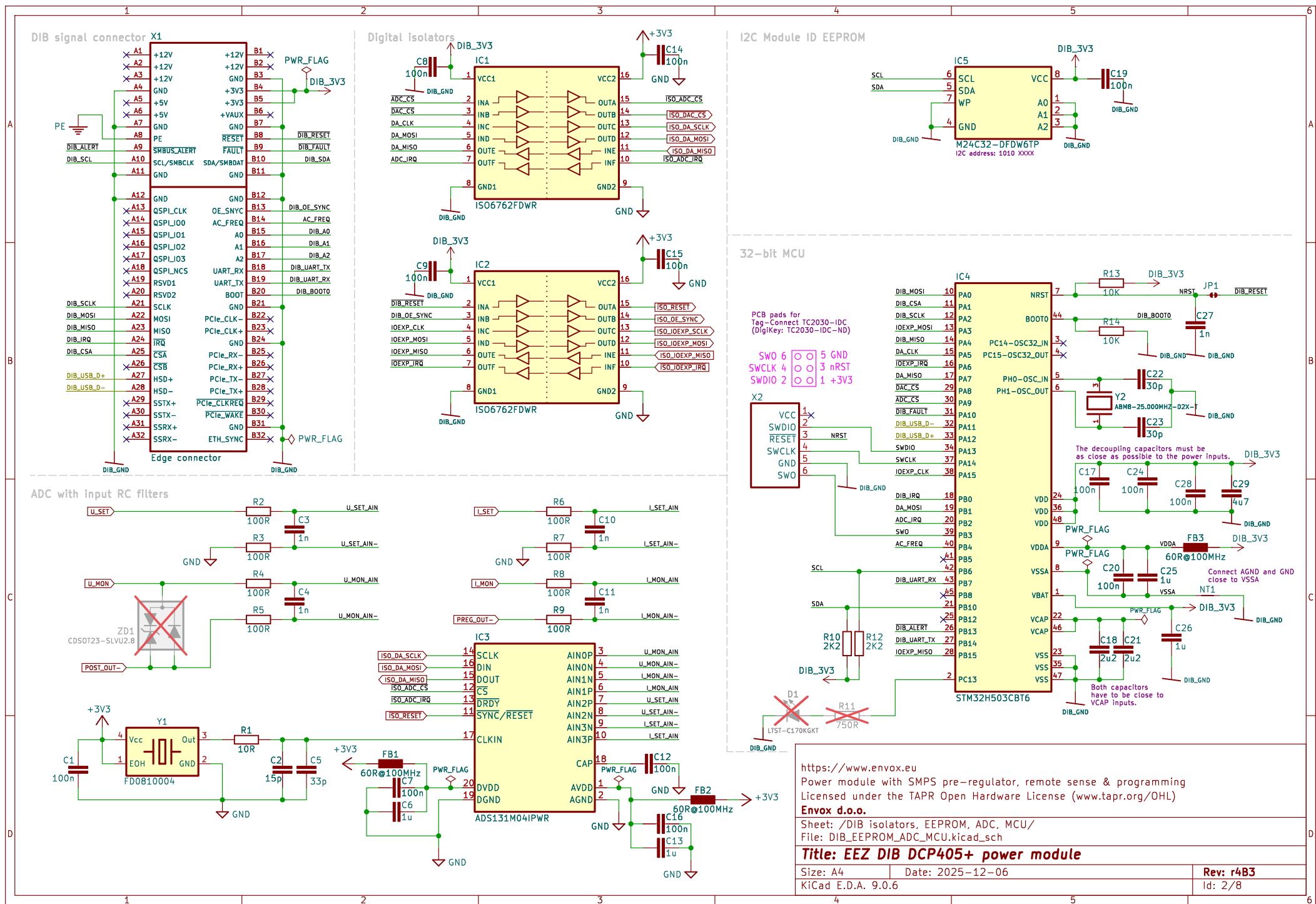
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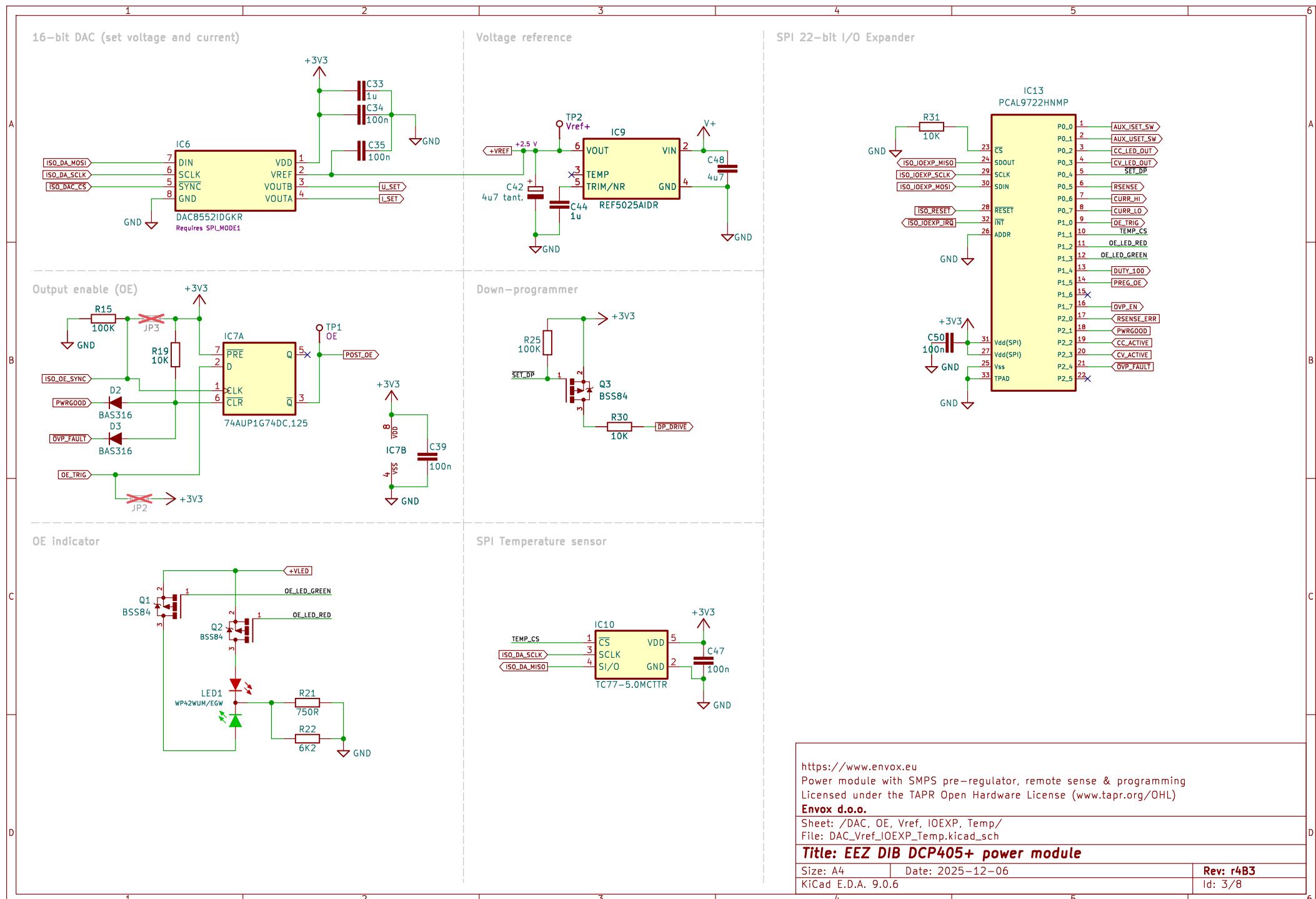
3

4

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6





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Sheet: /DAC, OE, Vref, IOEXP, Temp/  
File: DAC\_Vref\_IOEXP\_Temp.kicad\_sch

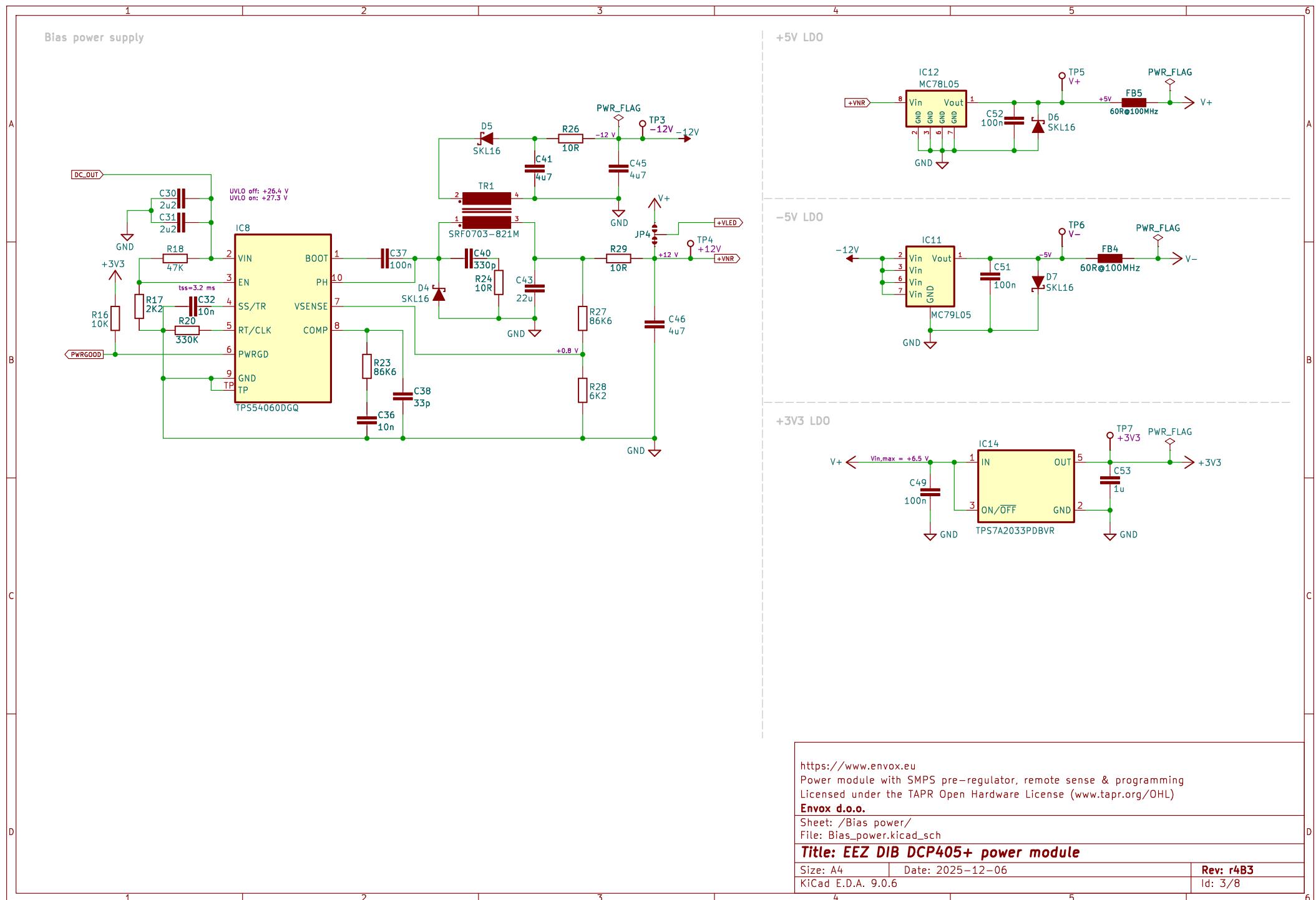
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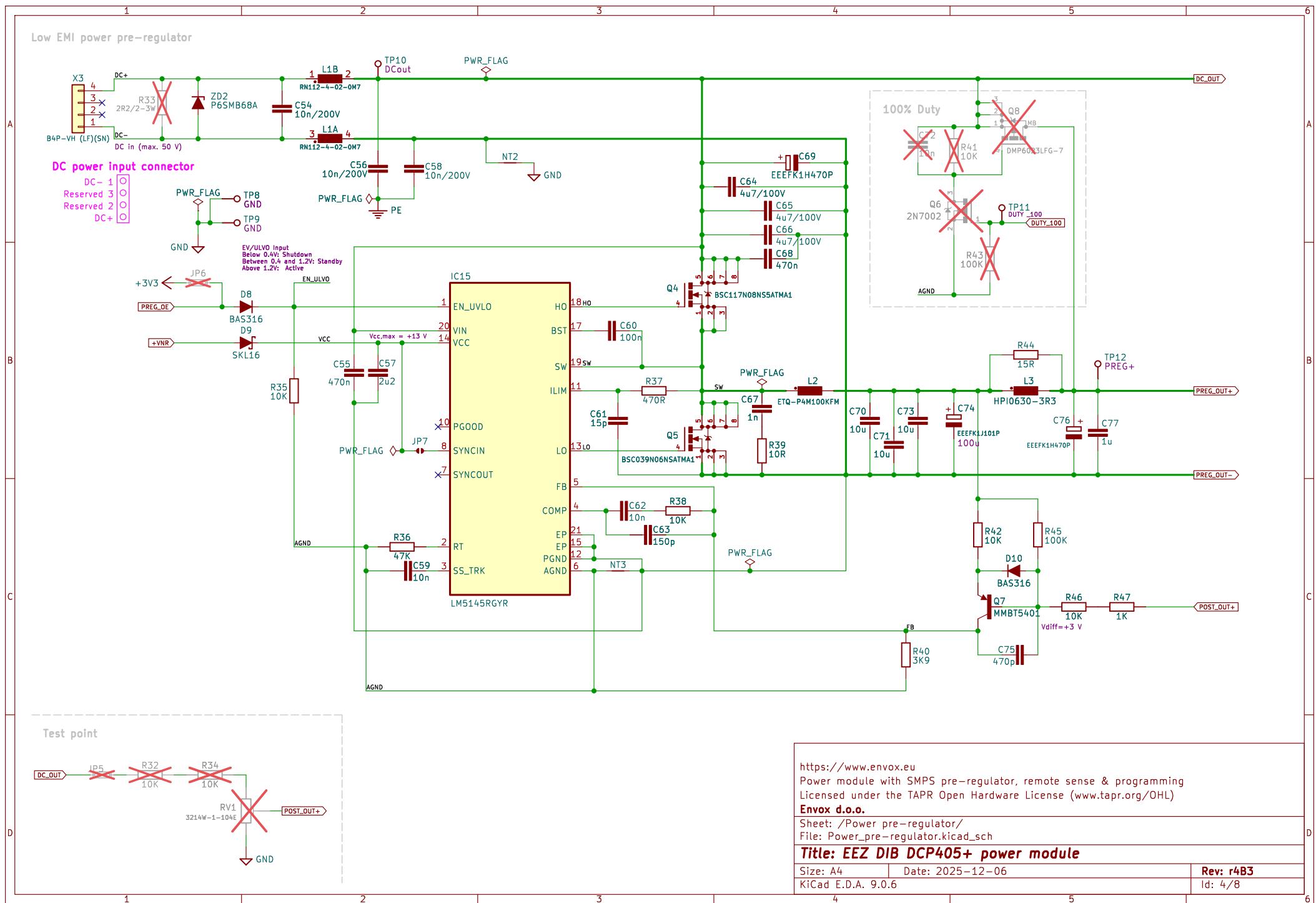
Size: A4 Date: 2025-12-06

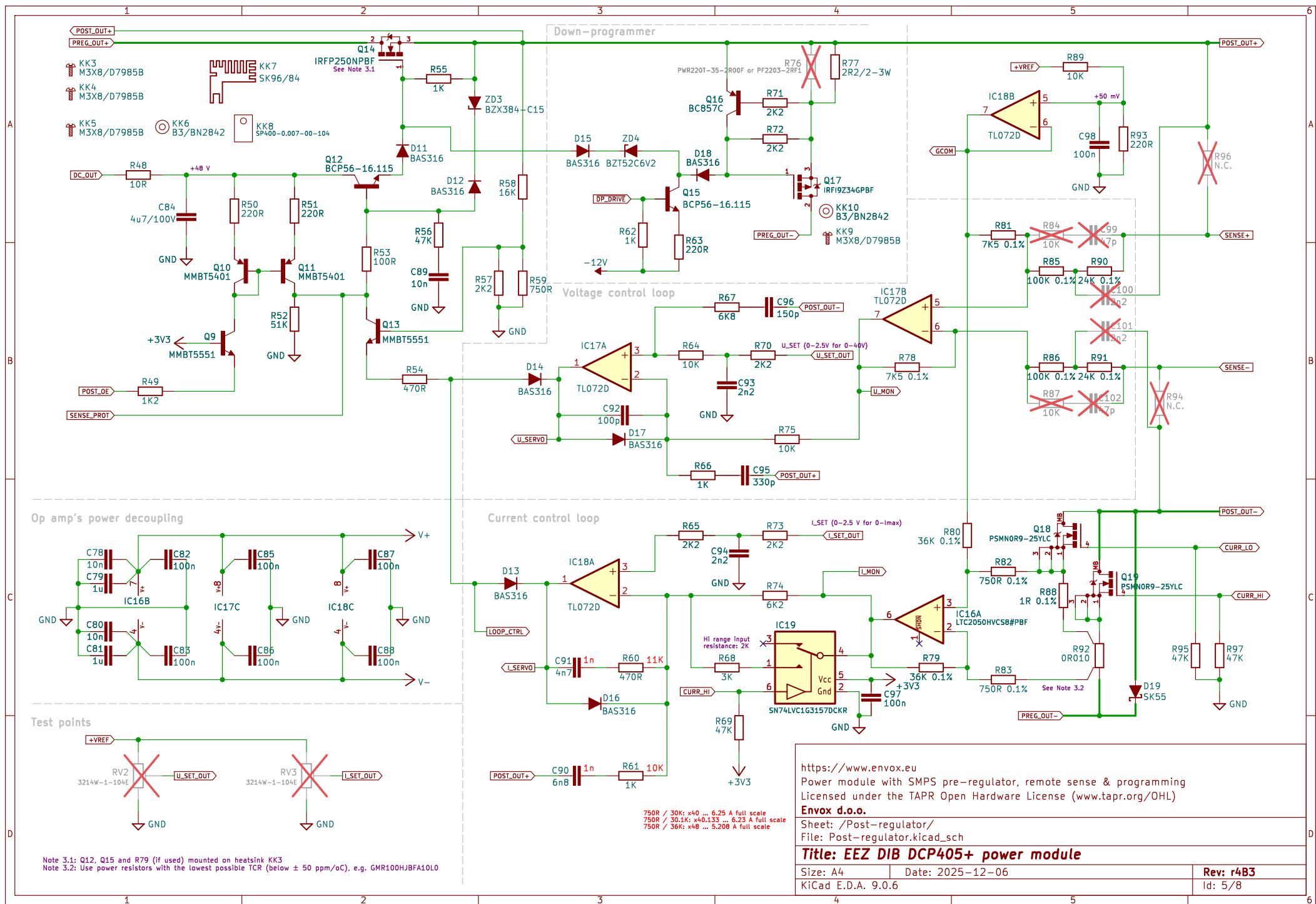
KiCad E.D.A. 9.0.6

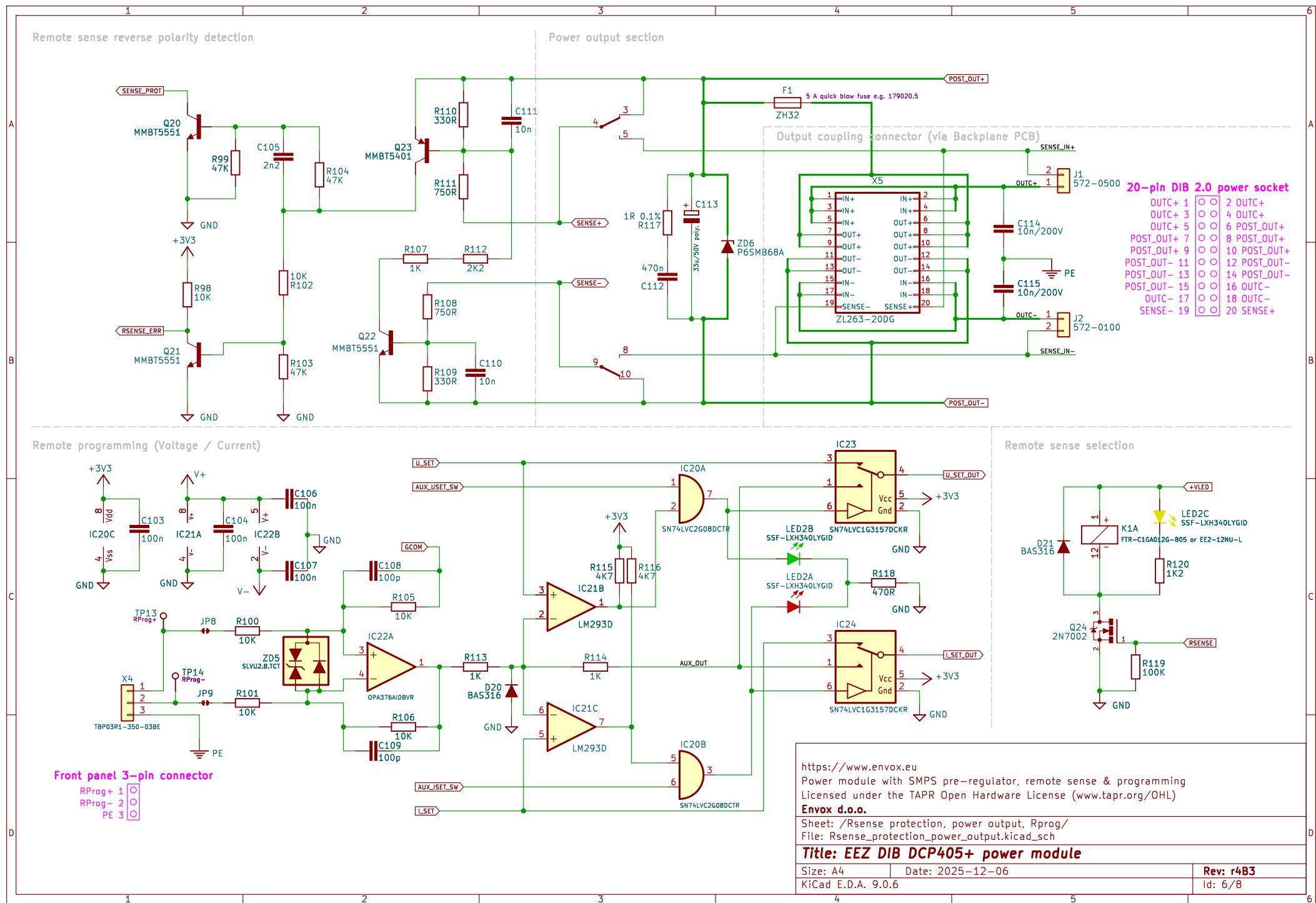
Rev: r4B3

Id: 3/8



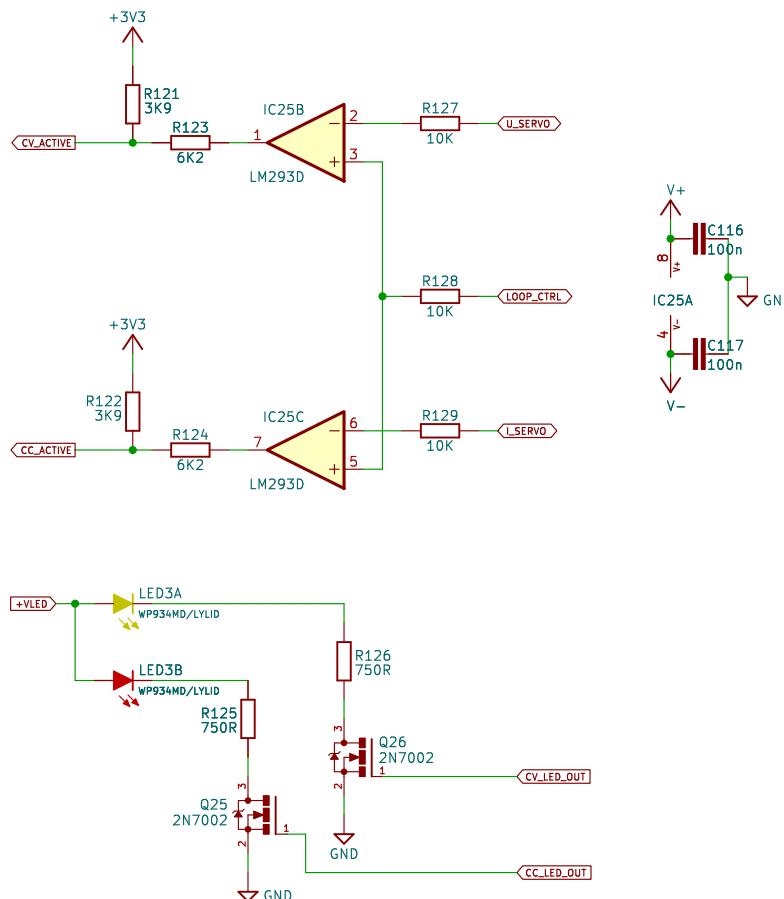




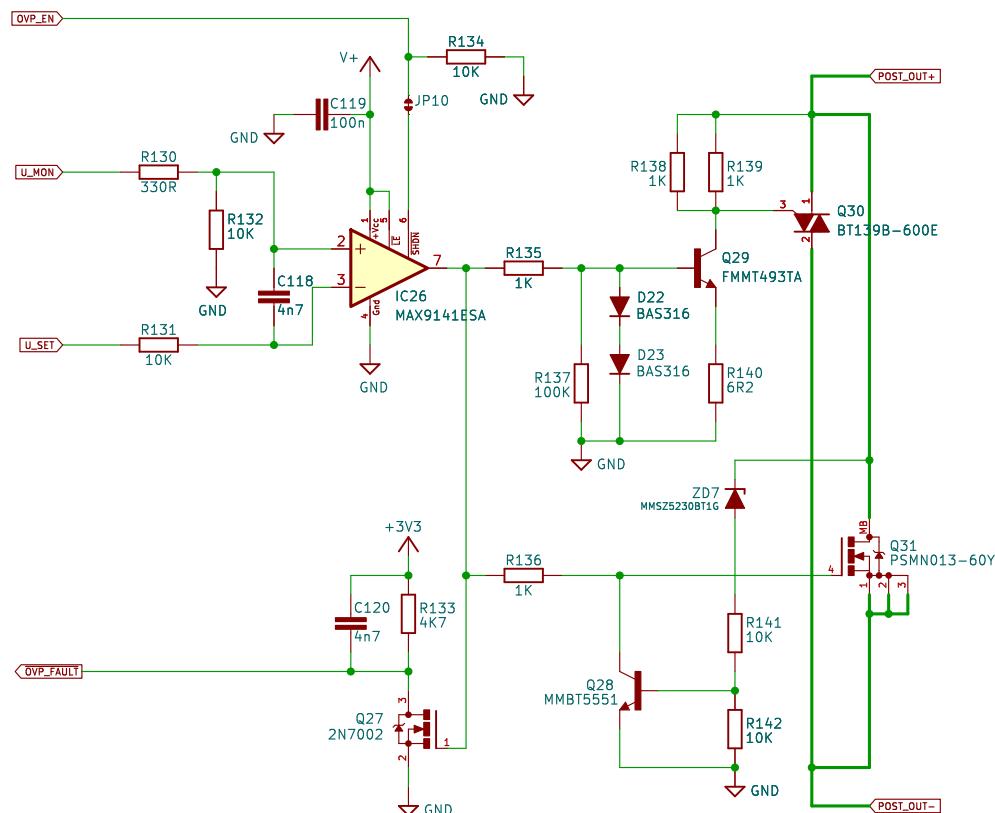


1 2 3 4 5 6

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



## Over-voltage protection (OVP)



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Sheet: /Mode detection, OVP/  
File: CC\_CV\_OVP.kicad\_sch

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

Size: A4 Date: 2025-12-06  
KiCad E.D.A. 9.0.6

Rev: r4B3  
Id: 7/8

1 2 3 4 5 6