

1

2

3

4

5

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

<https://www.envox.eu>
 Power module with SMPS pre-regulator, remote sense & programming
 Licensed under the TAPR Open Hardware License (www.tapr.org/OHL)
Envox d.o.o.

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

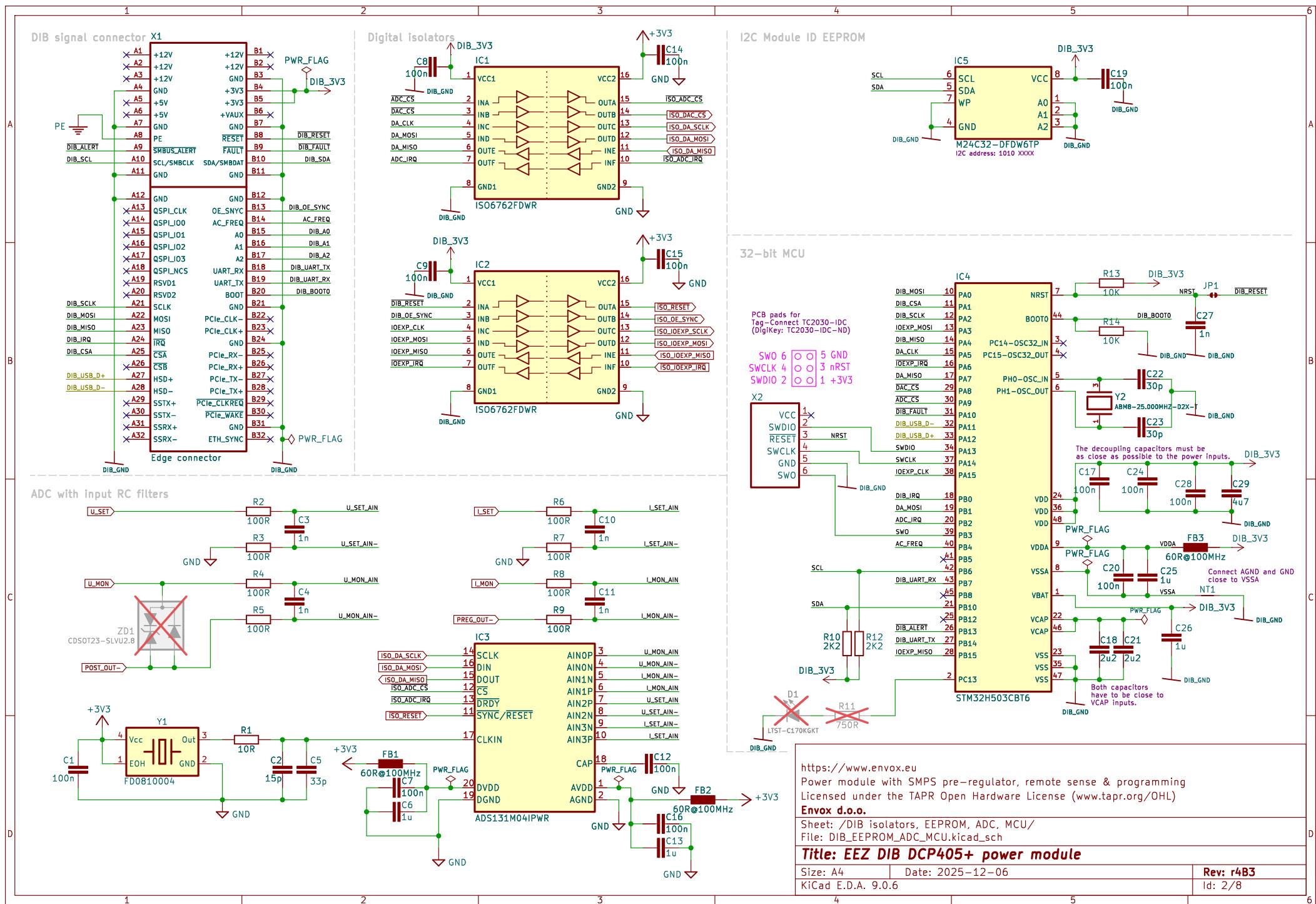
2

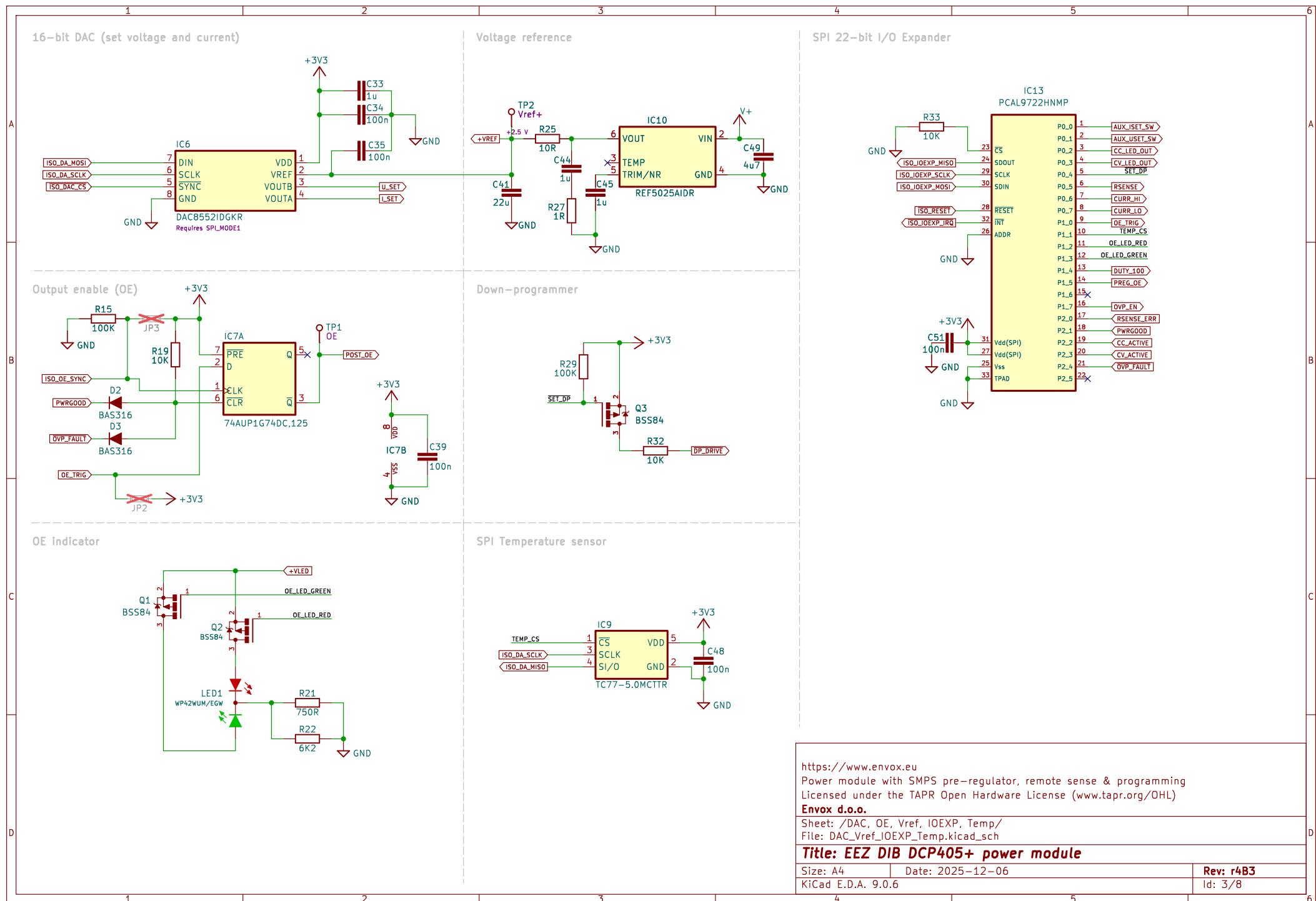
3

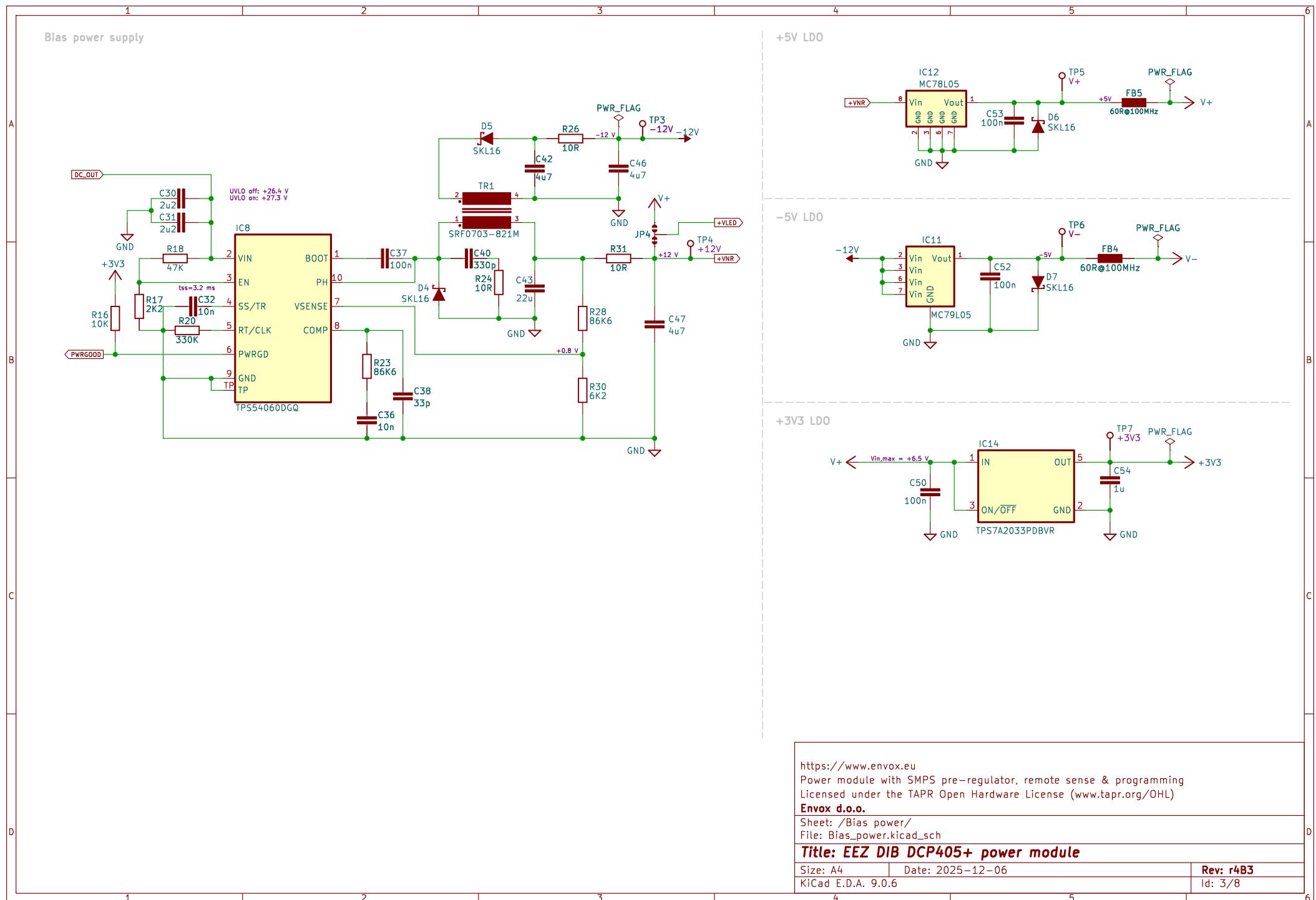
4

5

6







<https://www.envox.eu>
Power module with SMPS pre-regulator, remote sense & programming
Licensed under the TAPR Open Hardware License (www.tapr.org/OHL)
Envox d.o.o.

Sheet: /Bias power/
File: Bias_power.kicad_sch

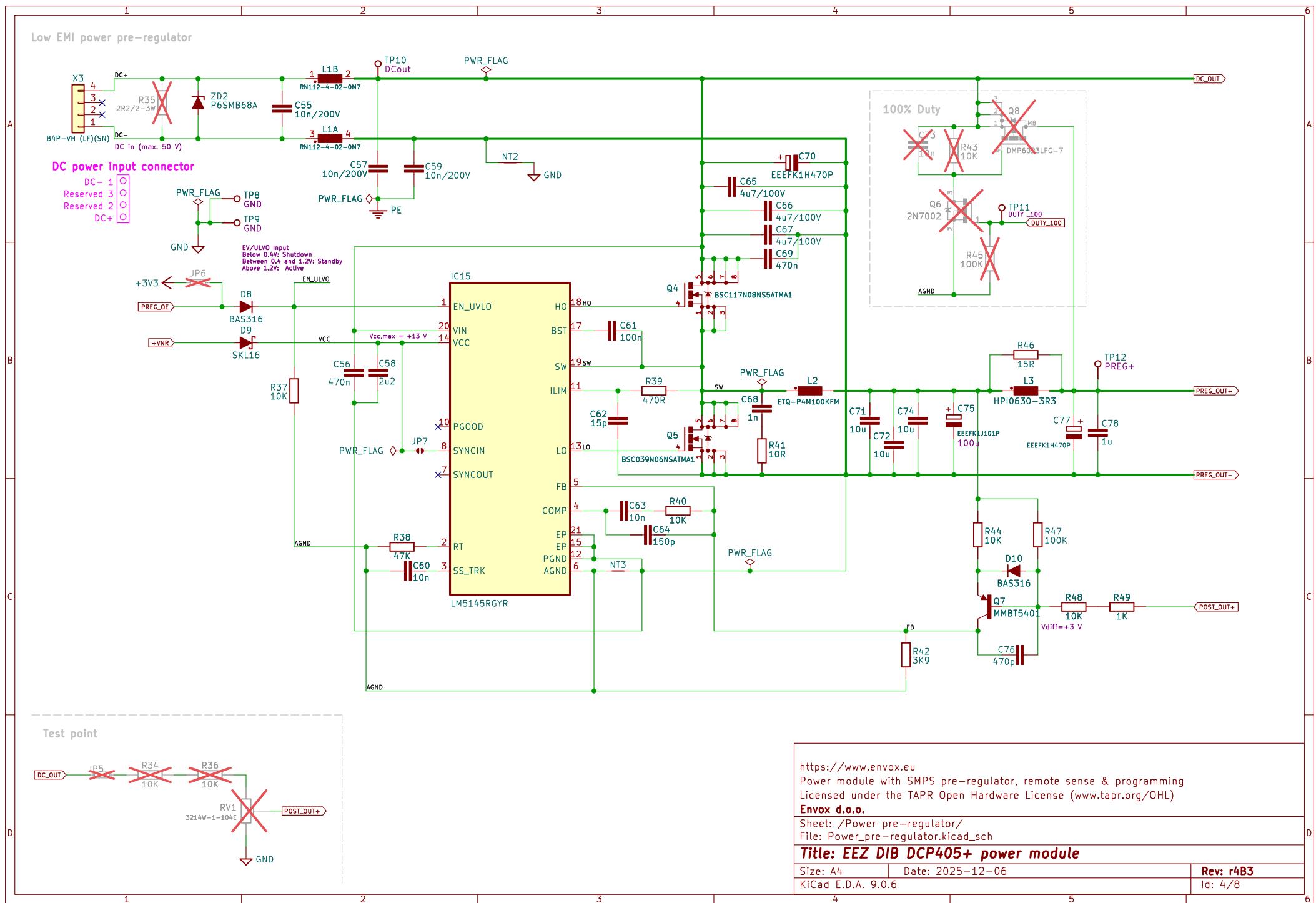
Title: EEZ DIB DCP405+ power module

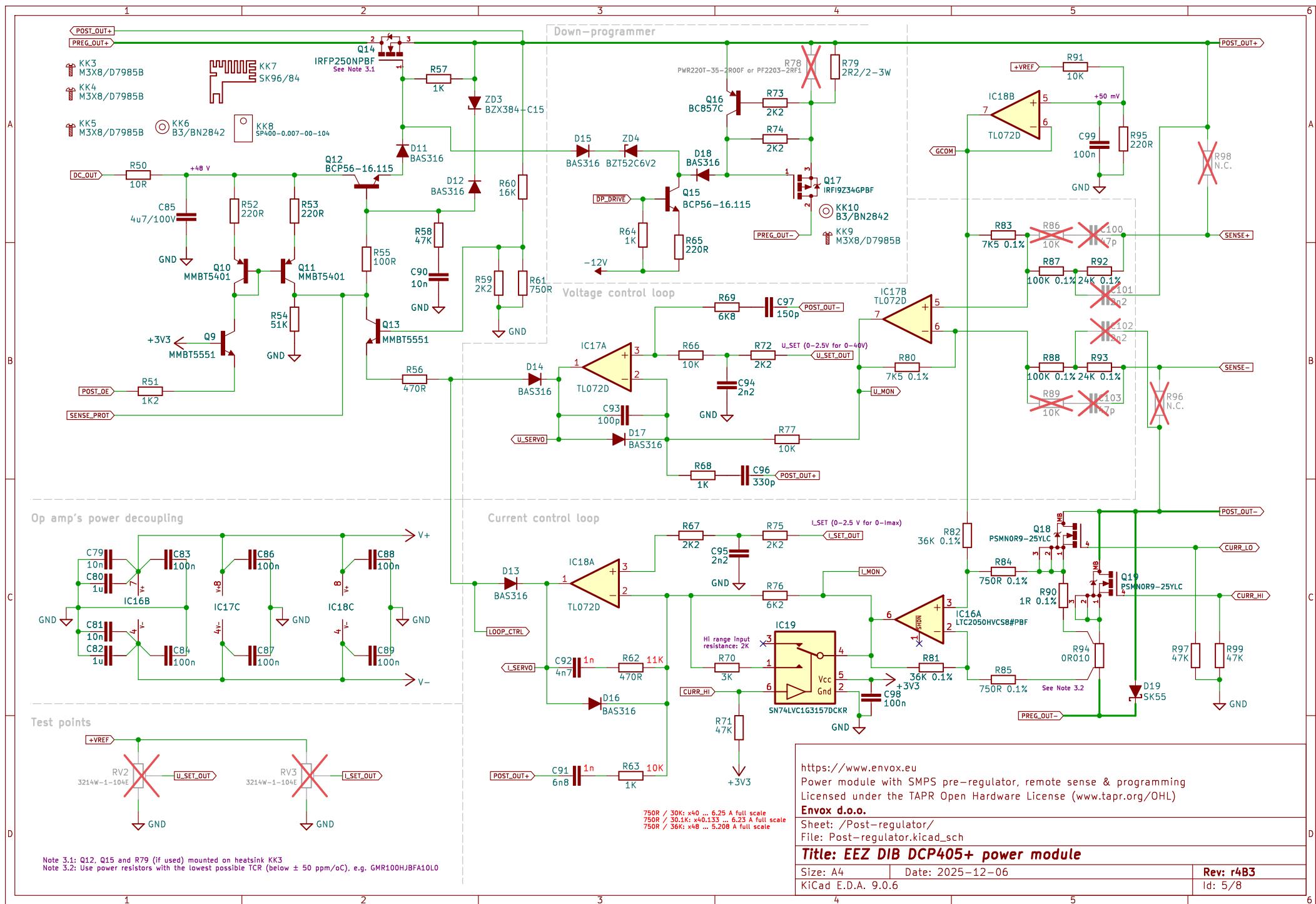
Size: A4 Date: 2025-12-06

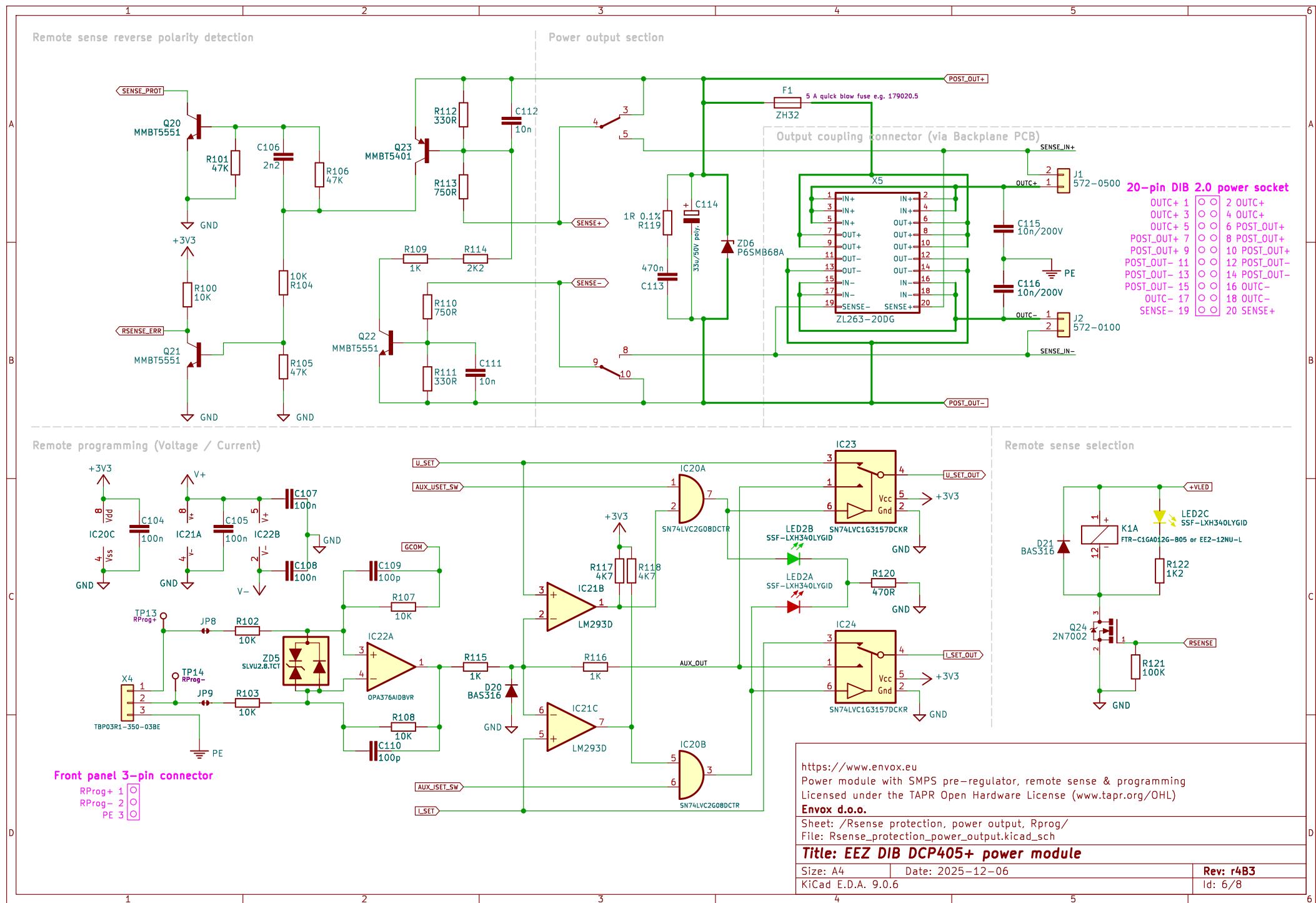
KiCad E.D.A. 9.0.6

Rev: r4B3

Id: 3/8

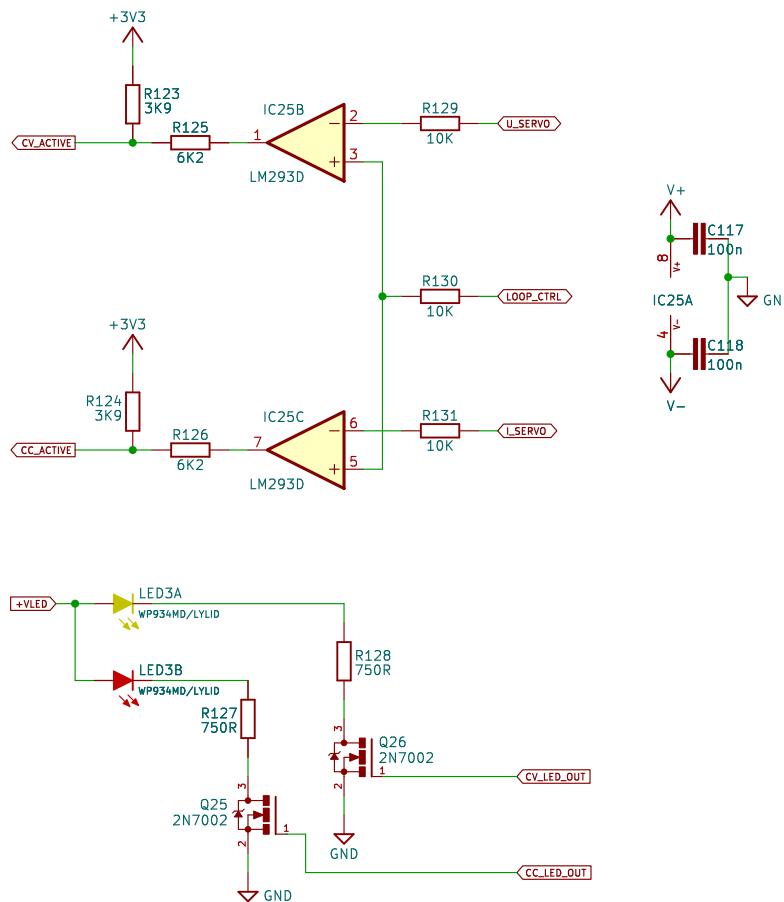




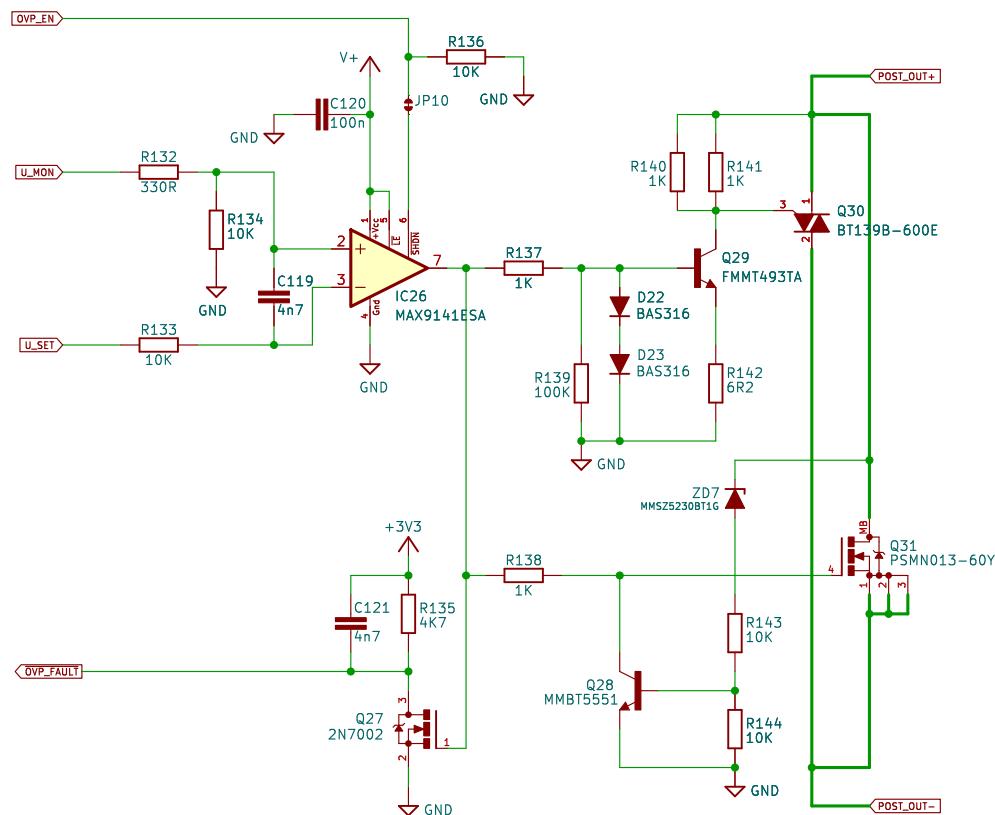


1 2 3 4 5 6

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



Over-voltage protection (OVP)



<https://www.envox.eu>
 Power module with SMPS pre-regulator, remote sense & programming
 Licensed under the TAPR Open Hardware License (www.tapr.org/OHL)
Envox d.o.o.

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