
File: DIB_EEPROM_ADC_MCU.kicad_sch

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File: DAC_Vref_IOEXP_Temp.kicad_sch

File: Power_pre-regulator.kicad_sch

File: Bias_power.kicad_sch

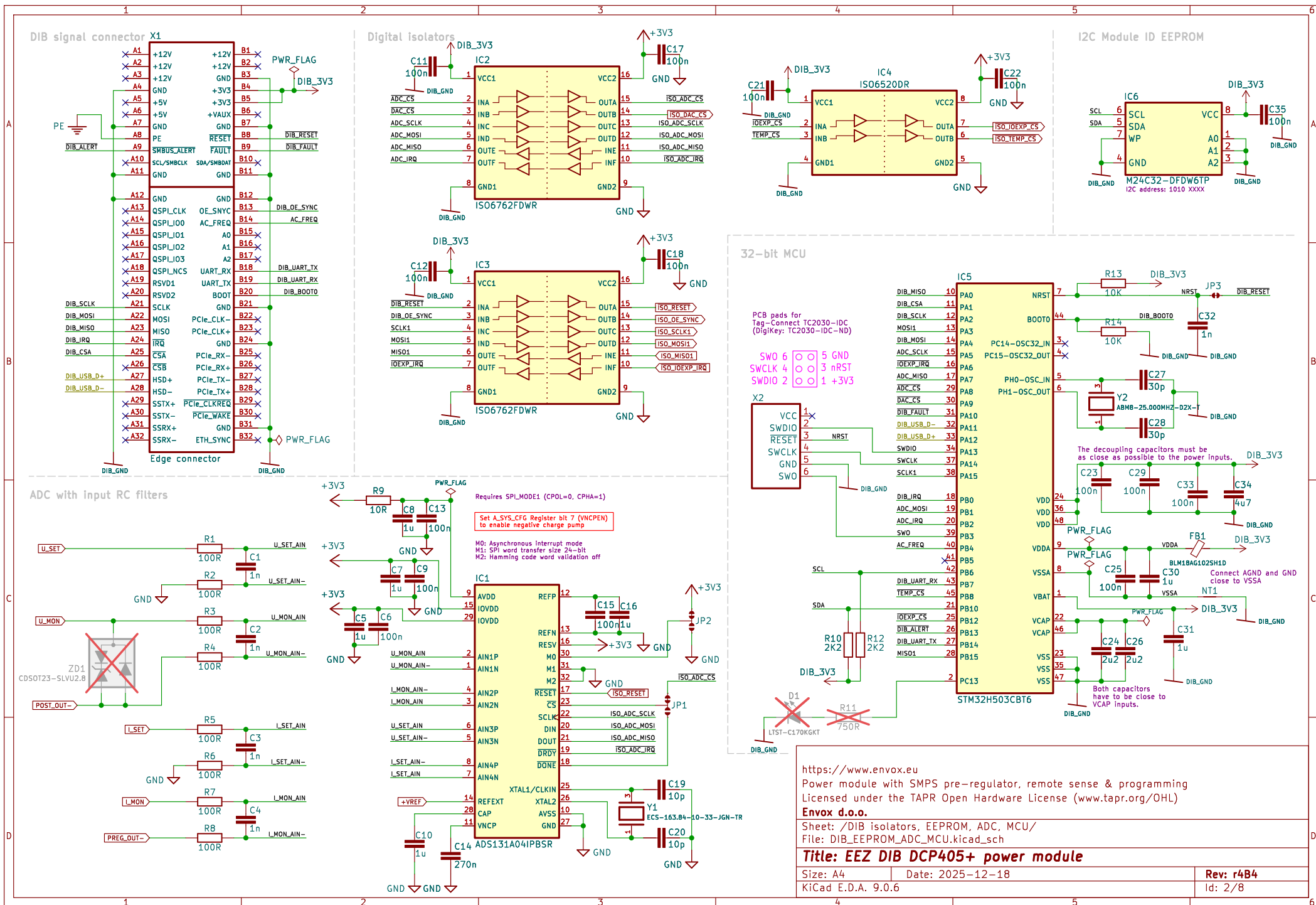
File: Post-regulator.kicad_sch

File: Rsense_protection_power_output.kicad_sch

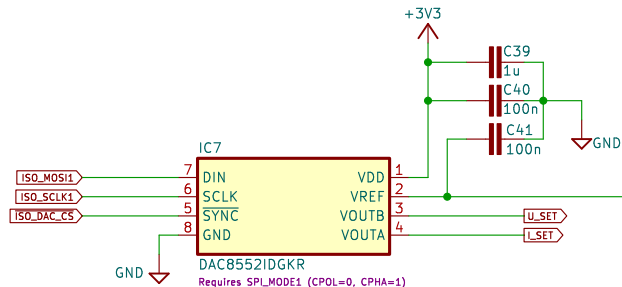
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FILE: CC_CV_OVF.KICAD_SCH
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Id: 1/8

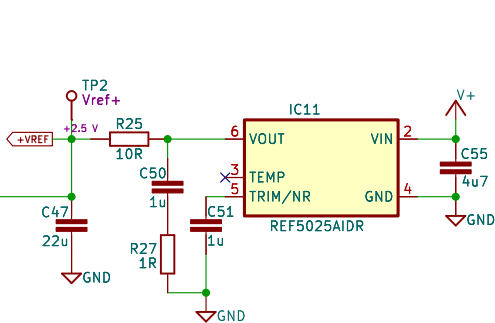




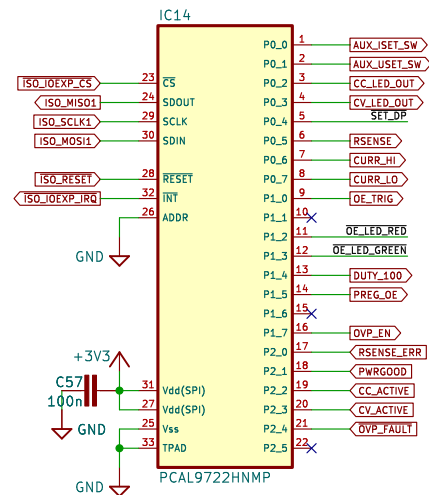
16-bit DAC (set voltage and current)



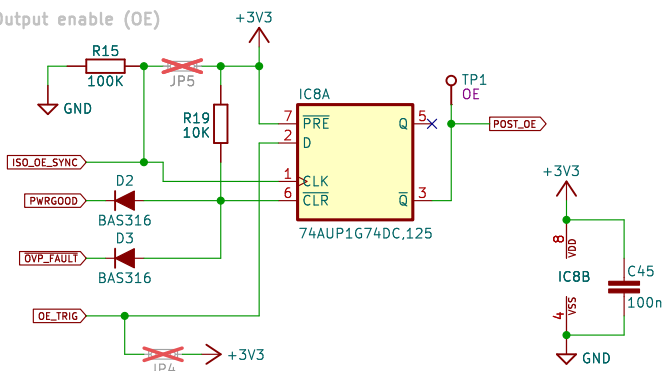
Voltage reference



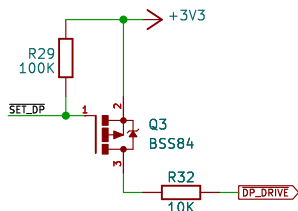
SPI 22-bit I/O Expander



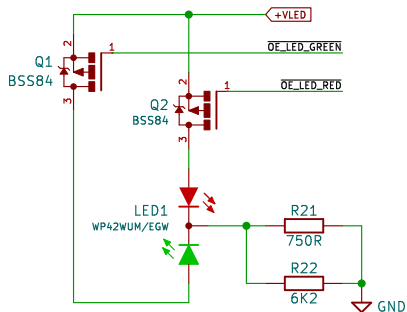
Output enable (OE)



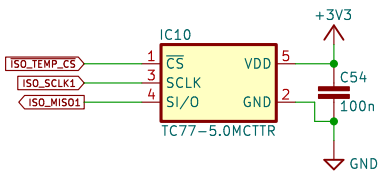
Down-programmer



OE indicator



SPI Temperature sensor



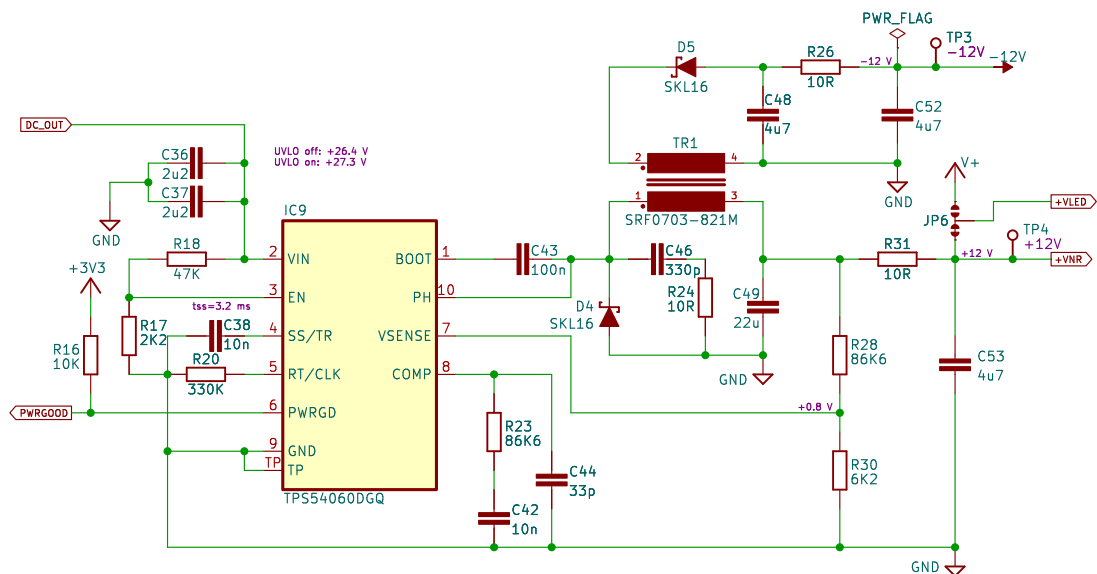
<https://www.envox.eu>
 Power module with SMPS pre-regulator, remote sense & programming
 Licensed under the TAPR Open Hardware License (www.tapr.org/OHL)

Envox d.o.o.
 Sheet: /DAC, OE, Vref, IOEXP, Temp/
 File: DAC_Vref_IOEXP_Temp.kicad_sch

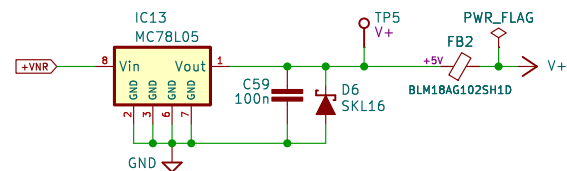
Title: EEZ DIB DCP405+ power module

Size: A4	Date: 2025-12-18	Rev: r4B4
KiCad E.D.A. 9.0.6		Id: 3/8

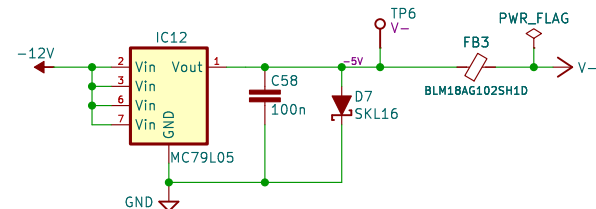
Bias power supply



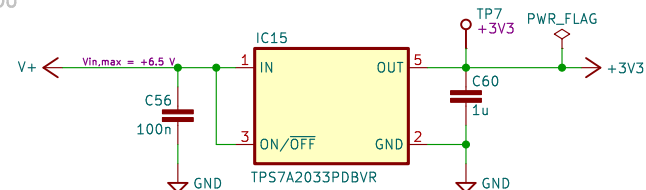
+5V LDO



-5V LDO



+3V3 LDO



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Envox d.o.o.

Sheet: /Bias power/

File: Bias_power.kicad_sch

Title: EEZ DIB DCP405+ power module

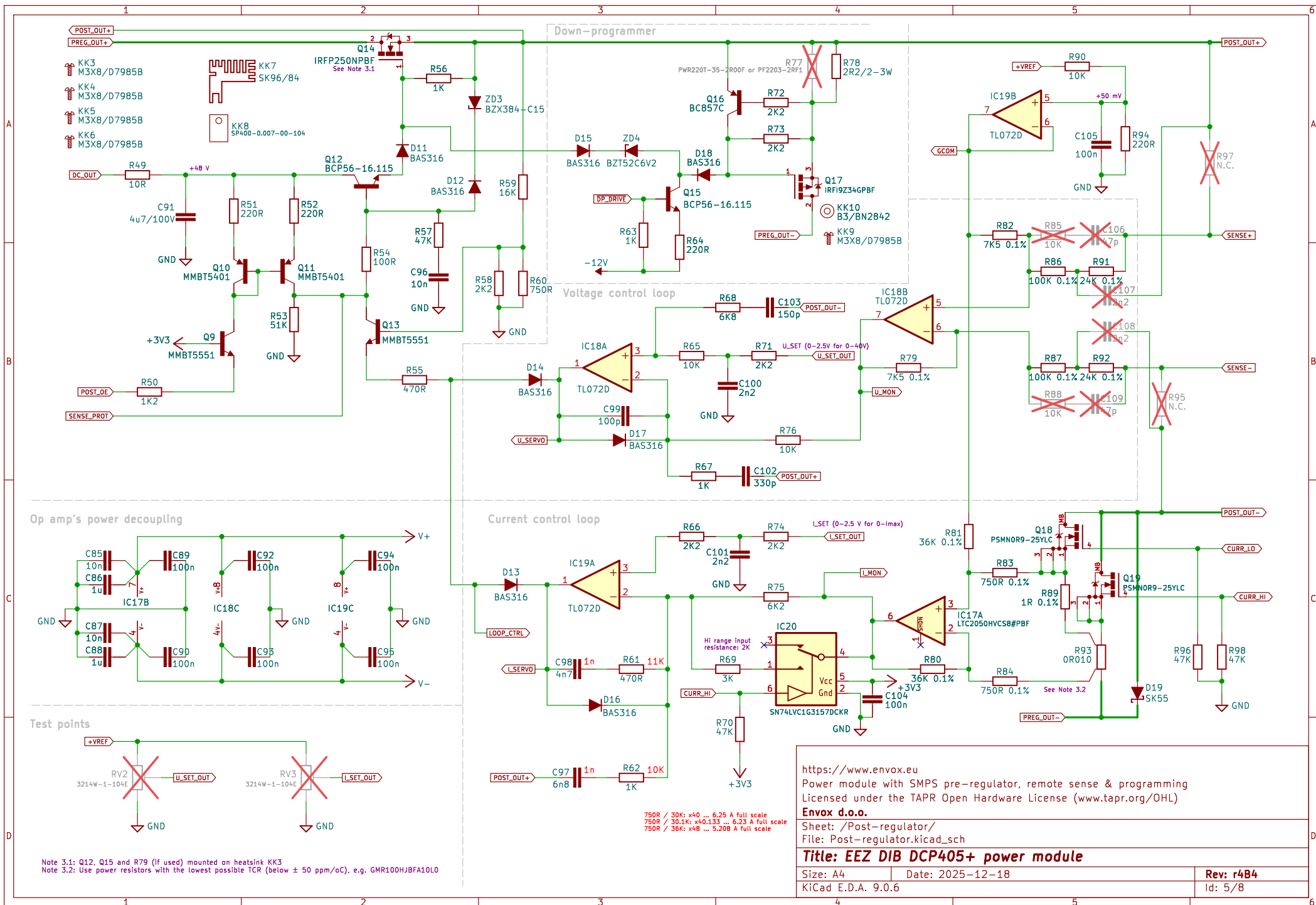
Size: A4

Date: 2025-12-18

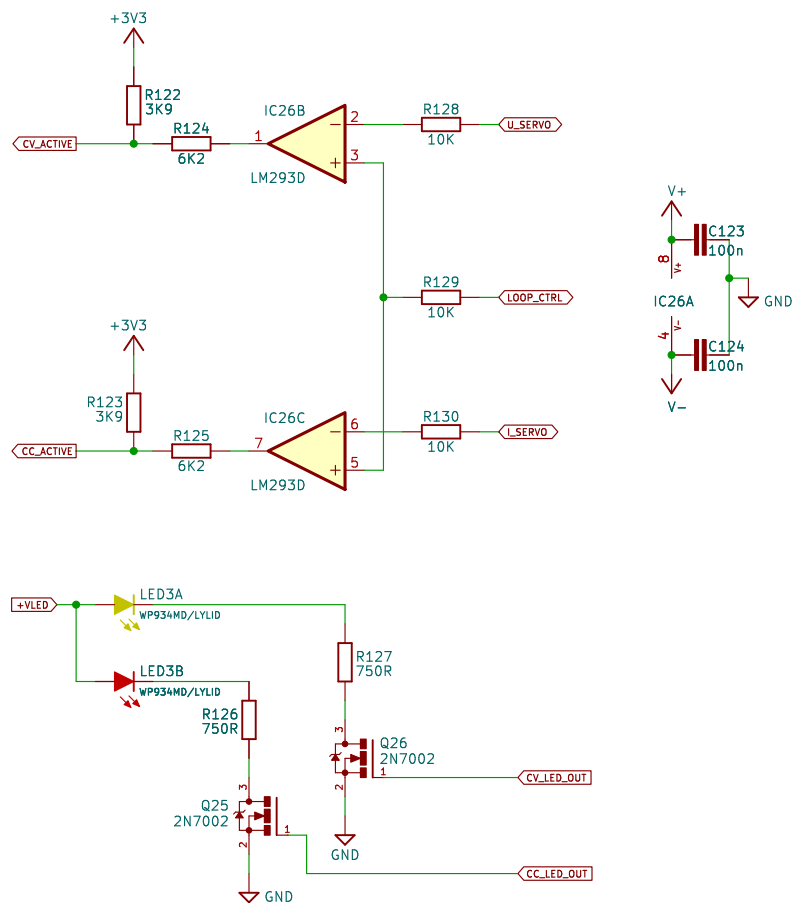
Rev: r4B4

KiCad E.D.A. 9.0.6

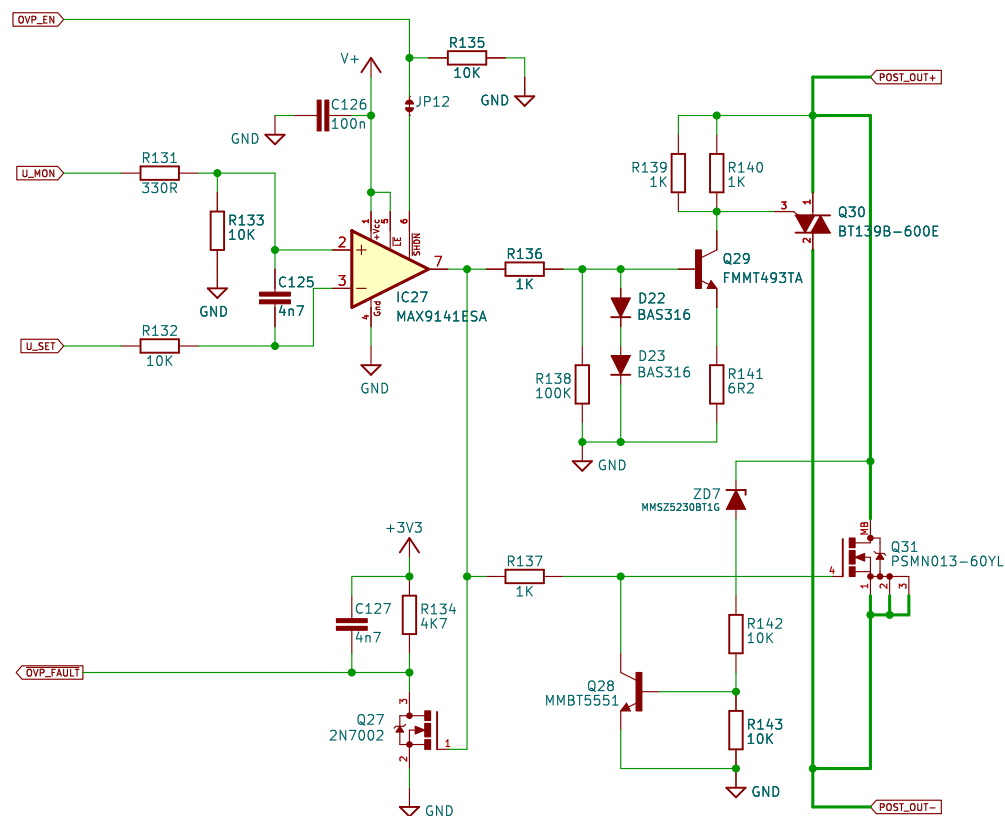
Id: 3/8



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



Over-voltage protection (OVP)



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Envox d.o.o.

Sheet: /Mode detection, OVP/

File: CC_CV_OVP.kicad_sch

Title: EEZ DIB DCP405+ power module

Size: A4 Date: 2025-12-18

KiCad E.D.A. 9.0.6

Rev: r4B4

Id: 7/8