
File: DIB_EEPROM_ADC_MCU.kicad_sch

File: DAC_Vref_IOEXP_Temp.kicad_sch

File: Power_pre-regulator.kicad_sch

File: Bias_power.kicad_sch

File: Post-regulator.kicad_sch

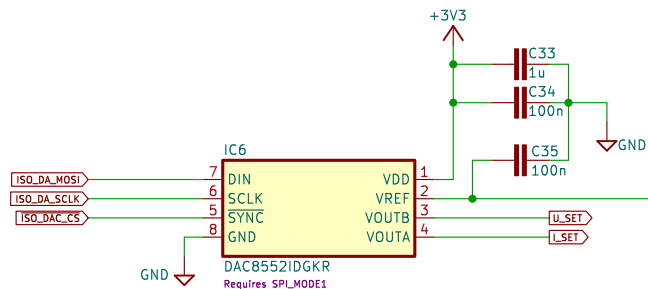
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File: Rsense_protection_power_output.kicad_sch

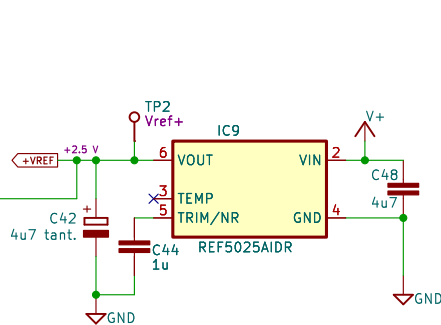
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FILE: CC_CV_OVF.KICAD_SCH
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Id: 1/8

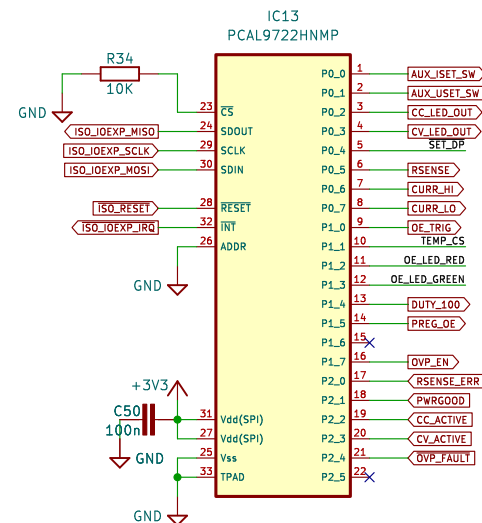
16-bit DAC (set voltage and current)



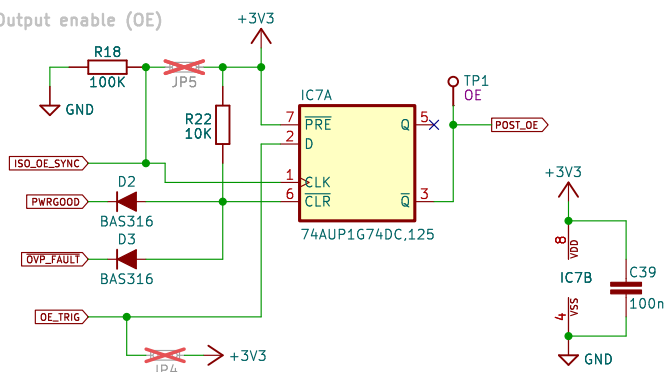
Voltage reference



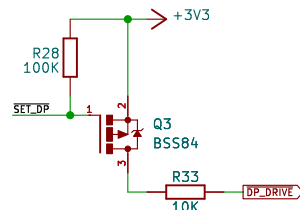
SPI 22-bit I/O Expander



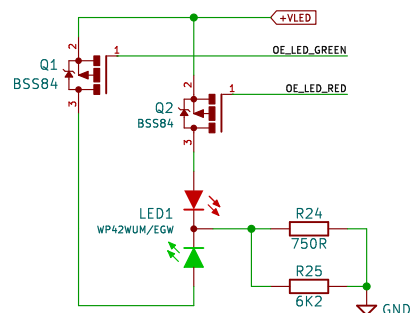
Output enable (OE)



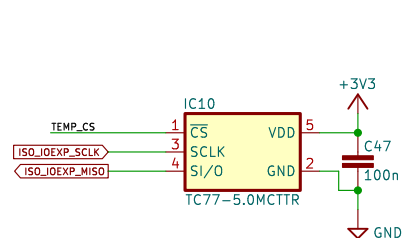
Down-programmer



OE indicator



SPI Temperature sensor



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Sheet: /DAC, OE, Vref, IOEXP, Temp/

File: DAC_Vref_IOEXP_Temp.kicad_sch

Title: EEZ DIB DCP405+ power module

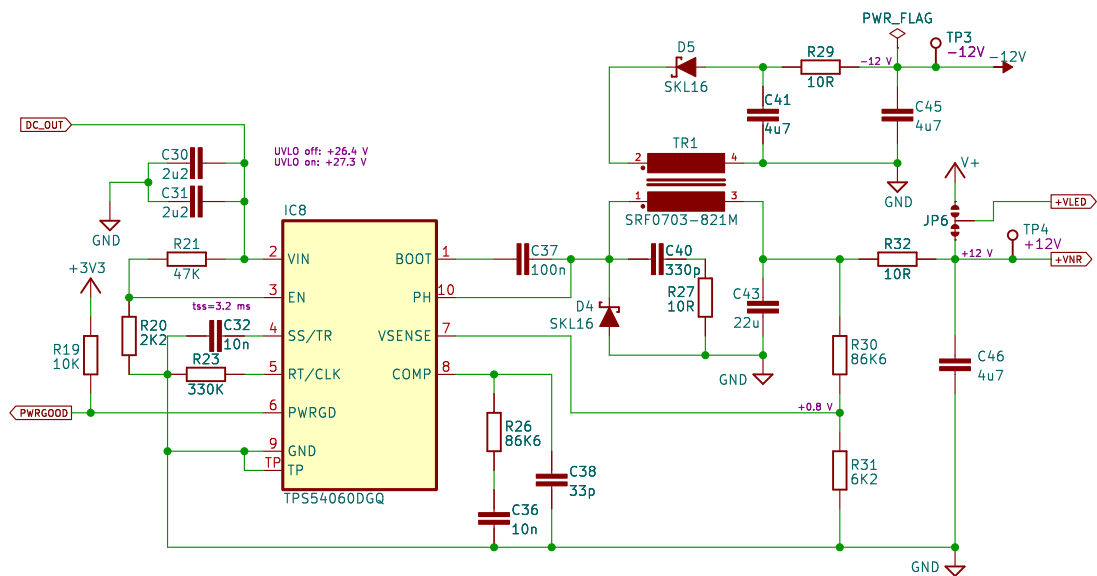
Size: A4 Date: 2025-11-27

KiCad E.D.A. 9.0.6

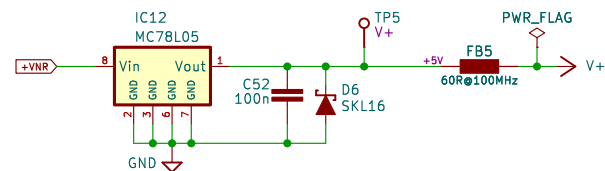
Rev: r4B3

Id: 3/8

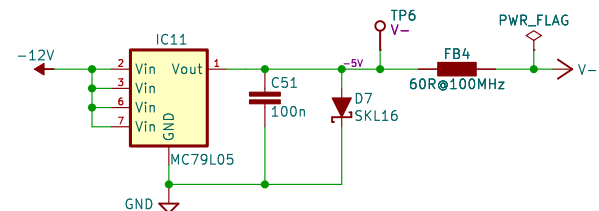
Bias power supply



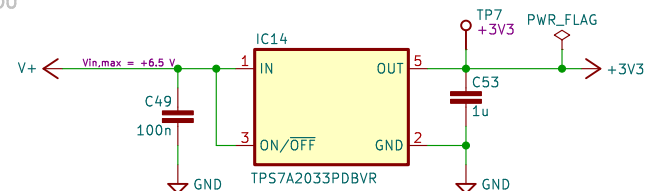
+5V LDO



-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

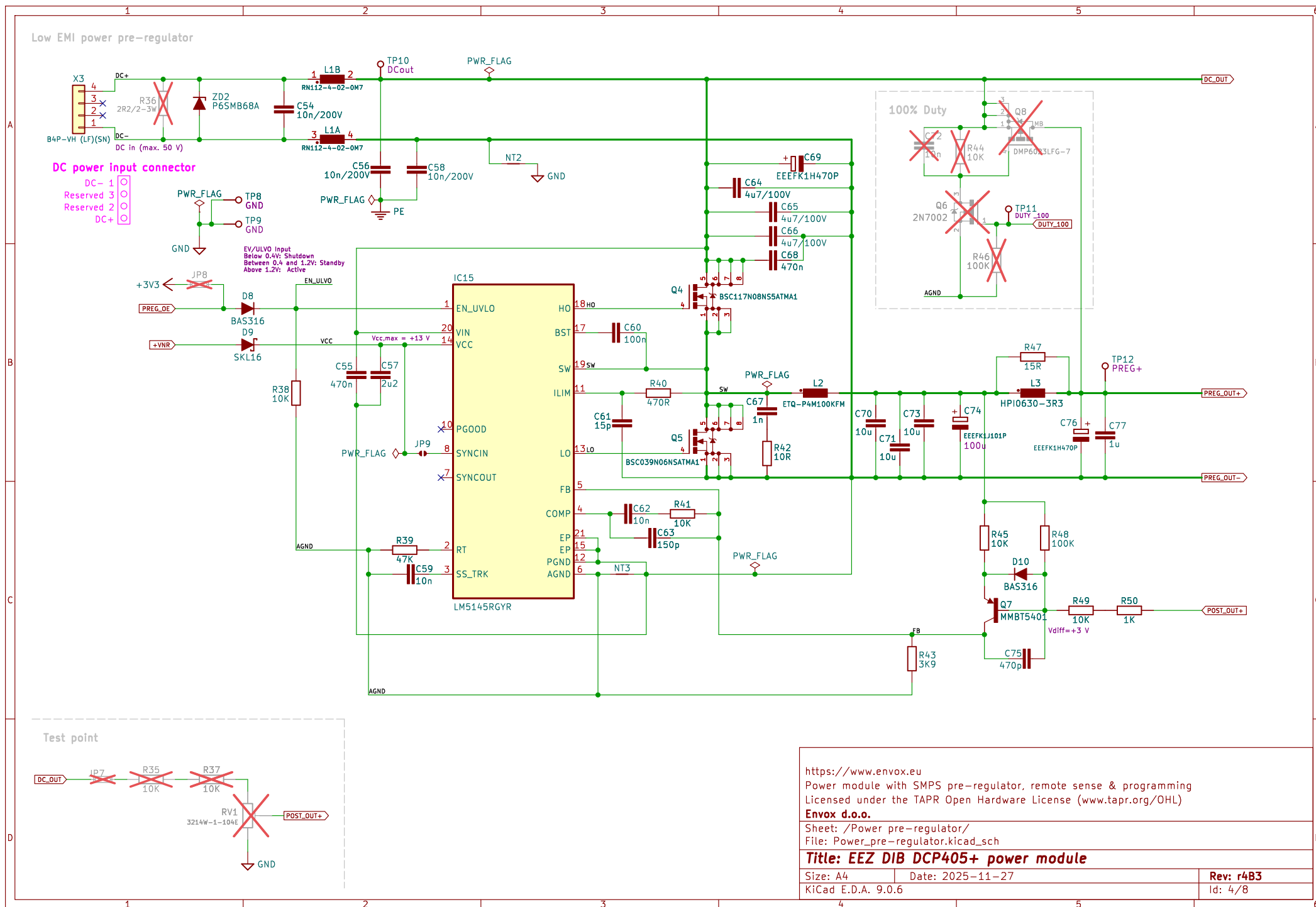
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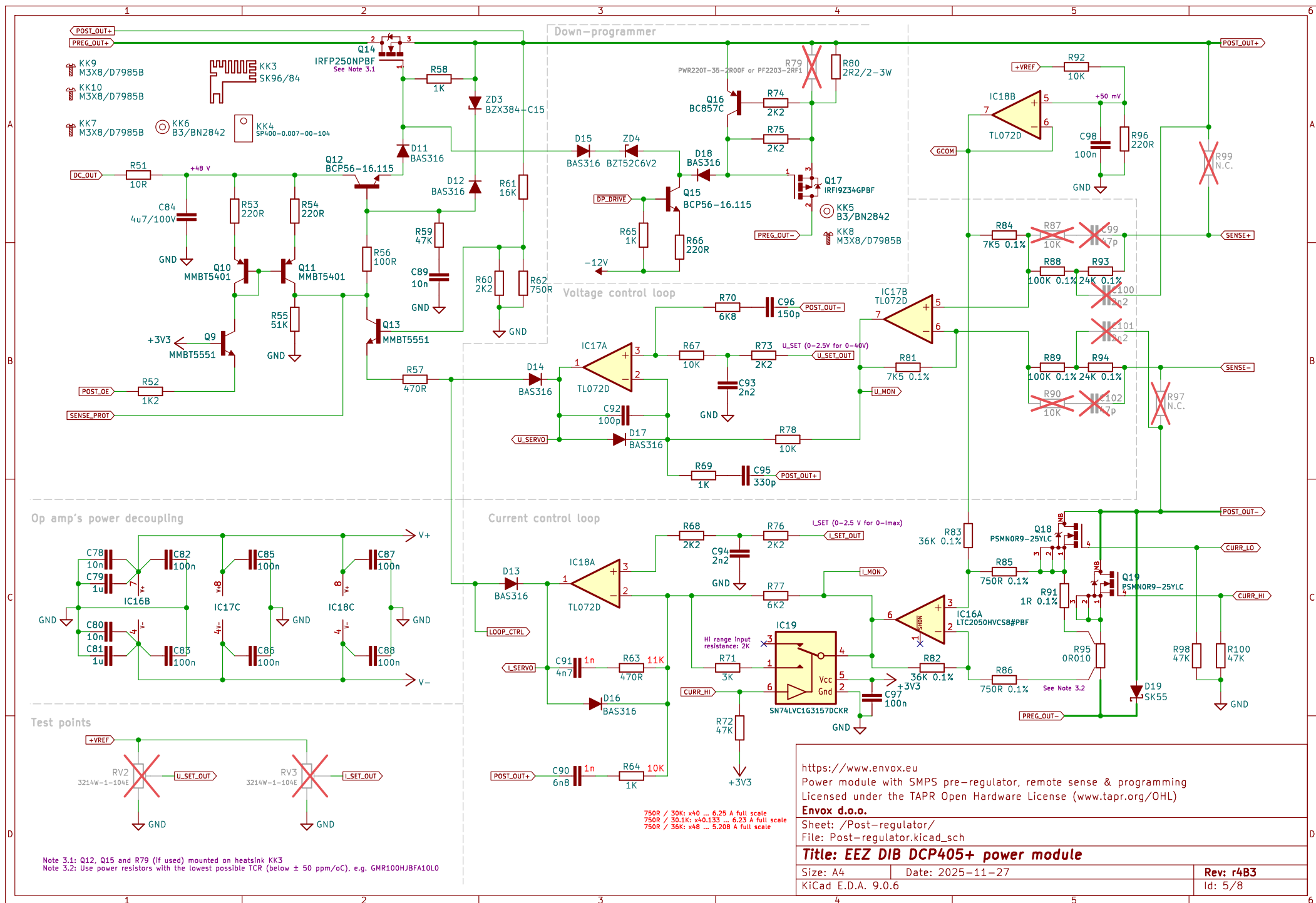
Date: 2025-11-27

Rev: r4B3

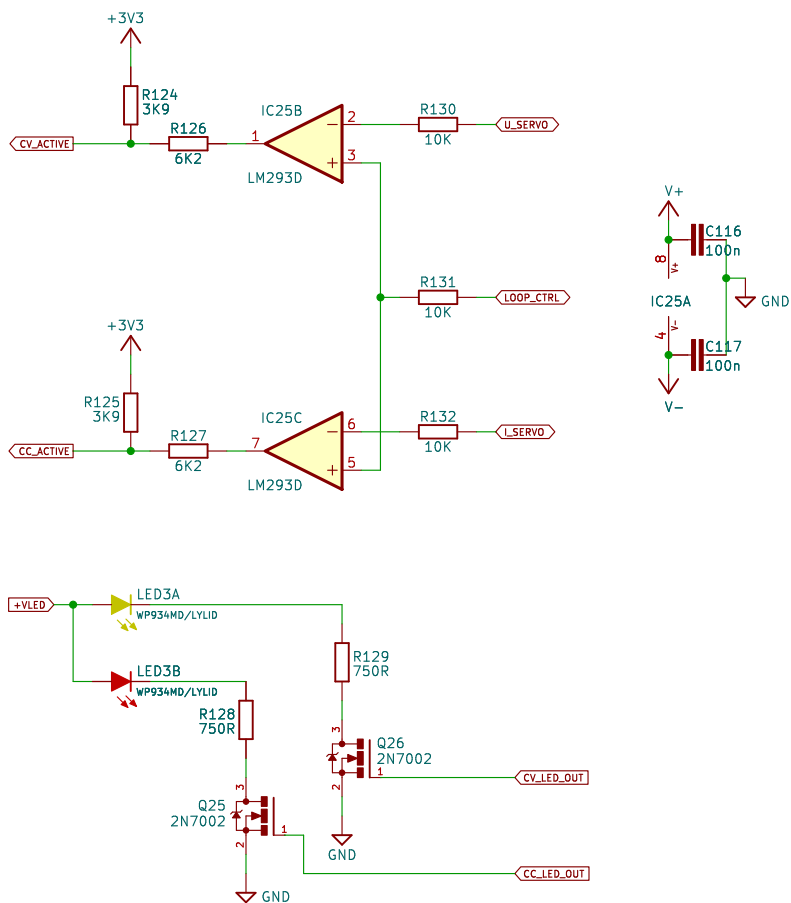
KiCad E.D.A. 9.0.6

Id: 3/8

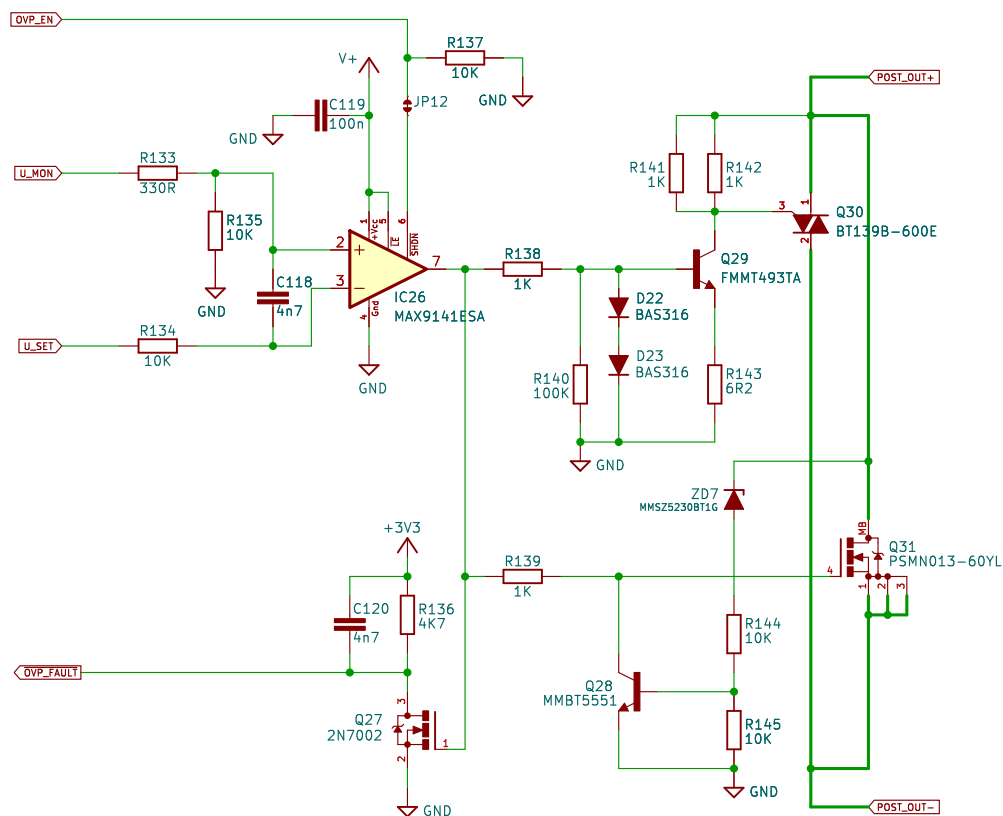




Constant Voltage (CV) and Constant Current (CC) mode detection and indication



Over-voltage protection (OVP)



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Sheet: /Mode detection, OVP/

File: CC_CV_OVP.kicad_sch

Title: EEZ DIB DCP405+ power module

Size: A4

Date: 2025-11-27

Rev: r4B3

KiCad E.D.A. 9.0.6

Id: 7/8