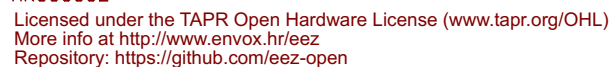
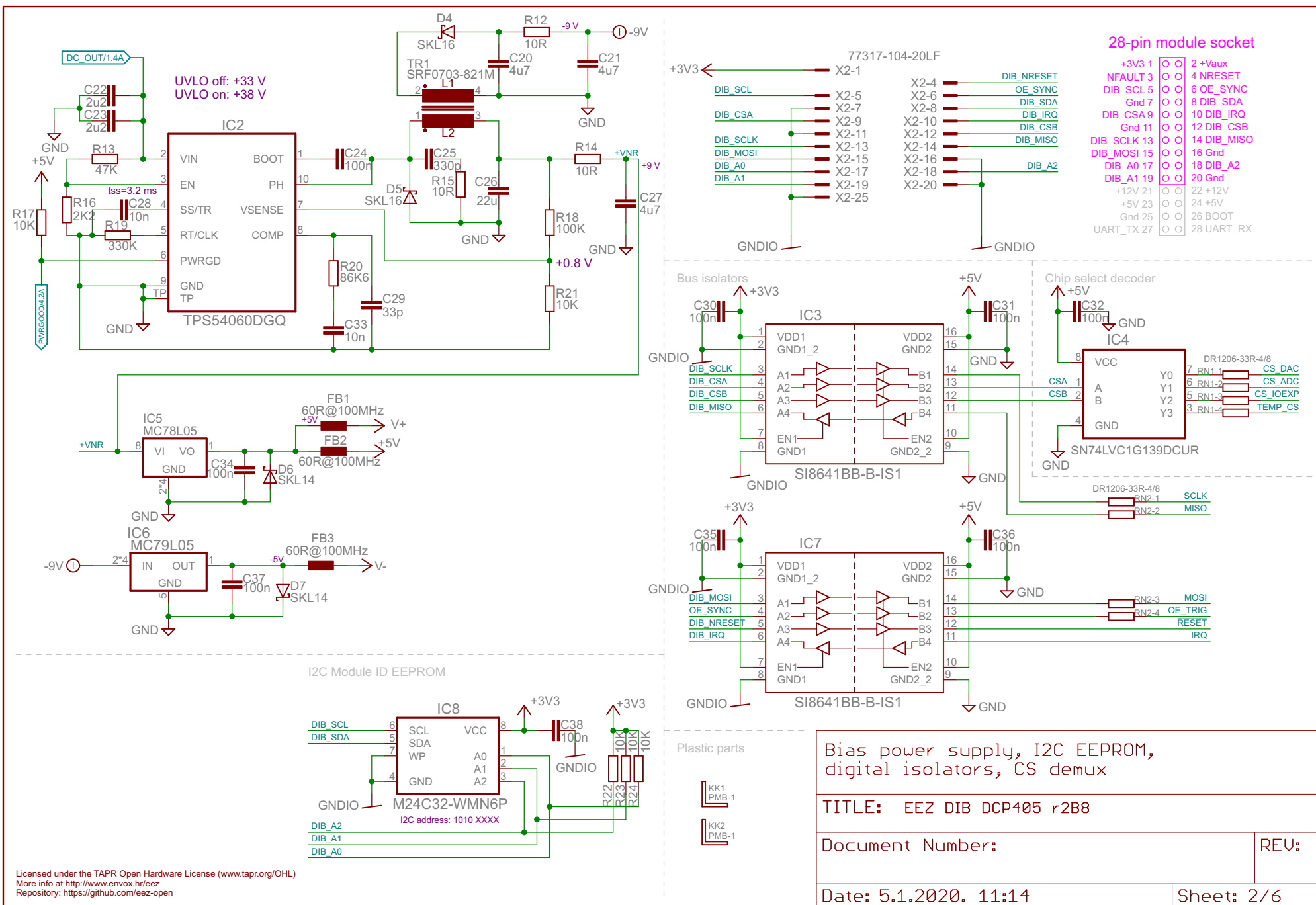
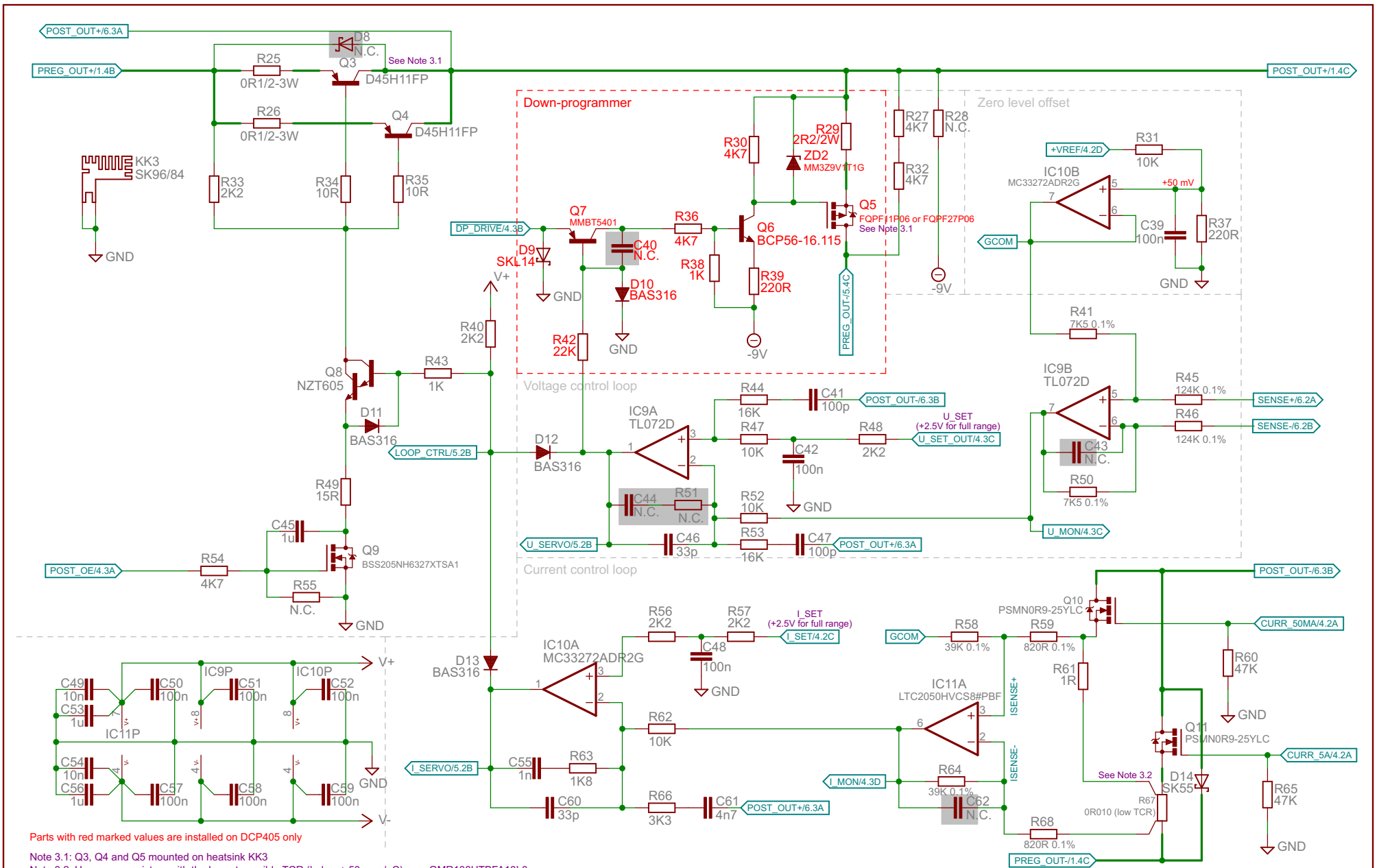




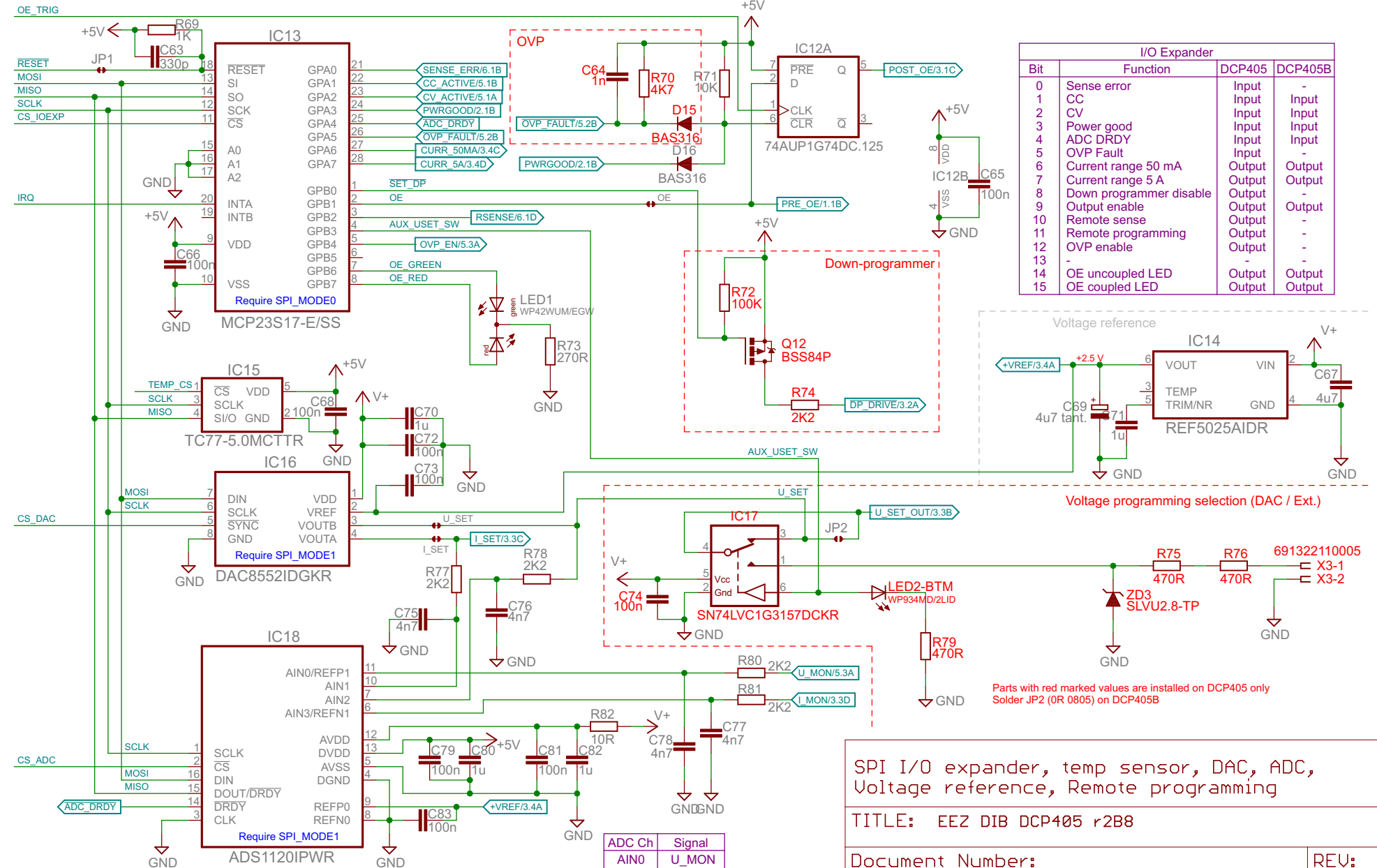
Sheet: 1/6







Digital control (SPI)



Licensed under the TAPR Open Hardware License (www.tapr.org/OHL)
 More info at <http://www.envox.hr/eez>
 Repository: <https://github.com/eez-open>

ADC fmod = 256 kHz (normal), 512 kHz (turbo)
 Anti-aliasing RC filter cutoff = 15.4 kHz

ADC Ch	Signal
AIN0	U_MON
AIN1	I_SET
AIN2	U_SET
AIN3	I_MON

SPI I/O expander, temp sensor, DAC, ADC, Voltage reference, Remote programming

TITLE: EEZ DIB DCP405 r2B8

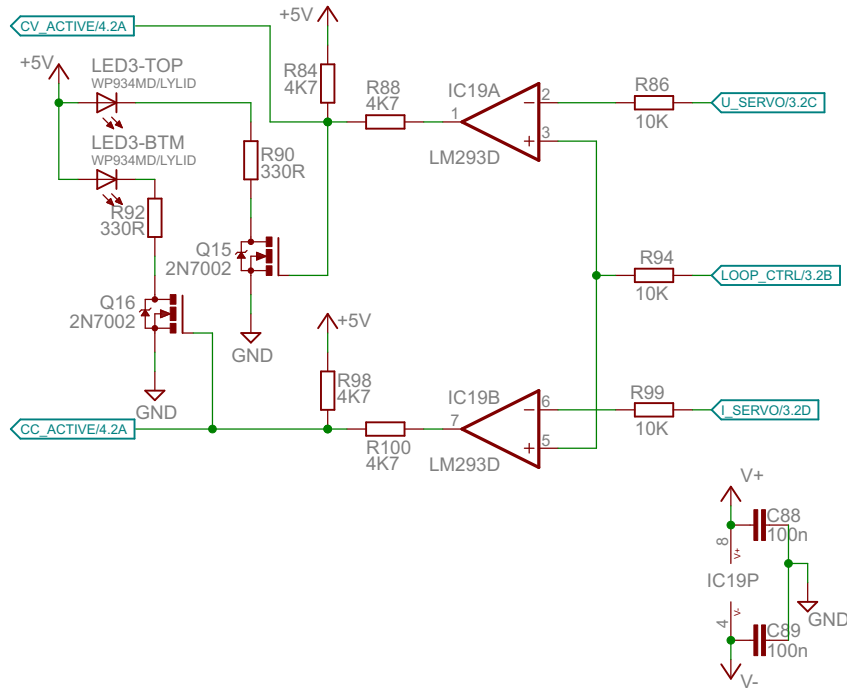
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REV:

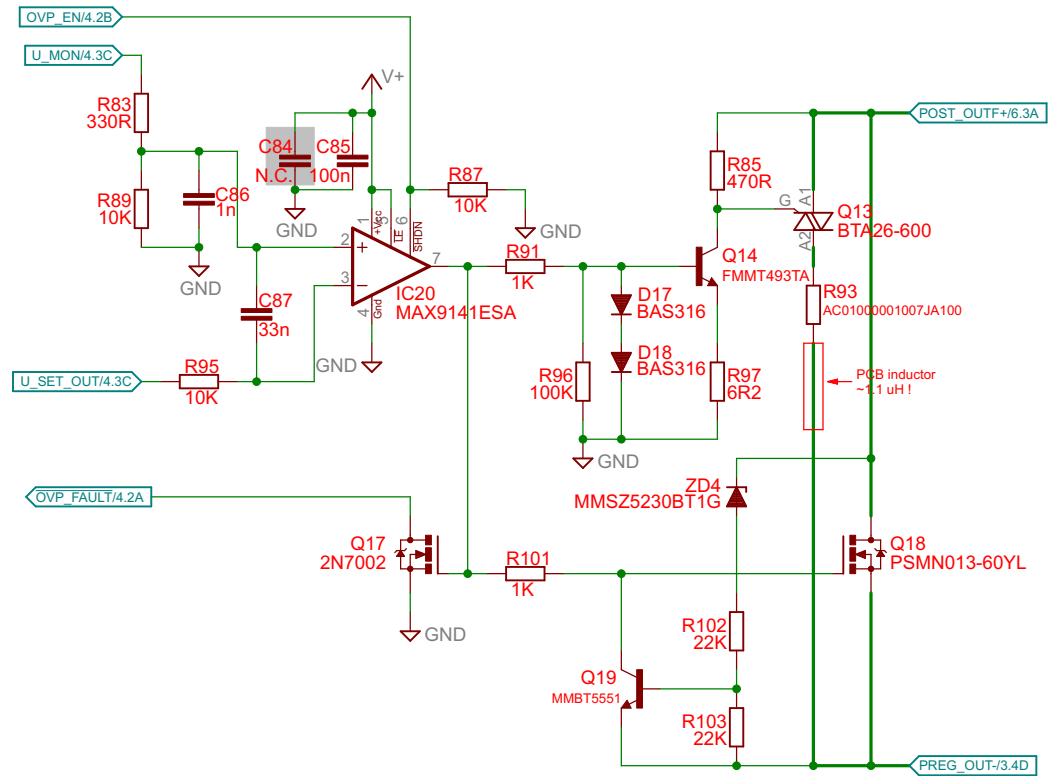
Date: 5.1.2020. 11:14

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



Over-voltage protection (OVP)



CC/CV mode detection and indication, OVP

TITLE: EEZ DIB DCP405 r2B8

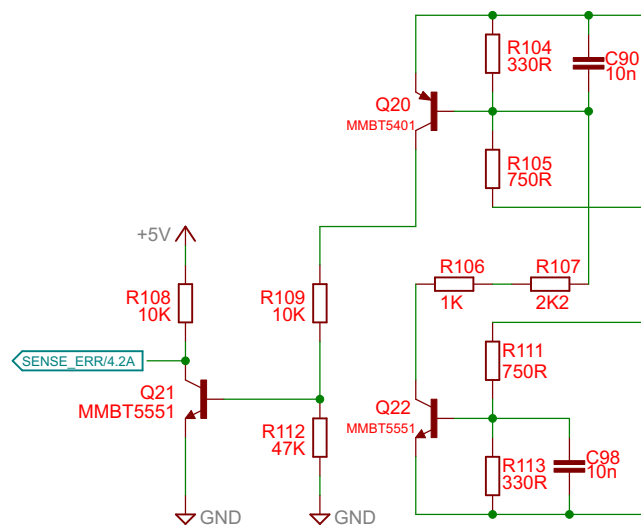
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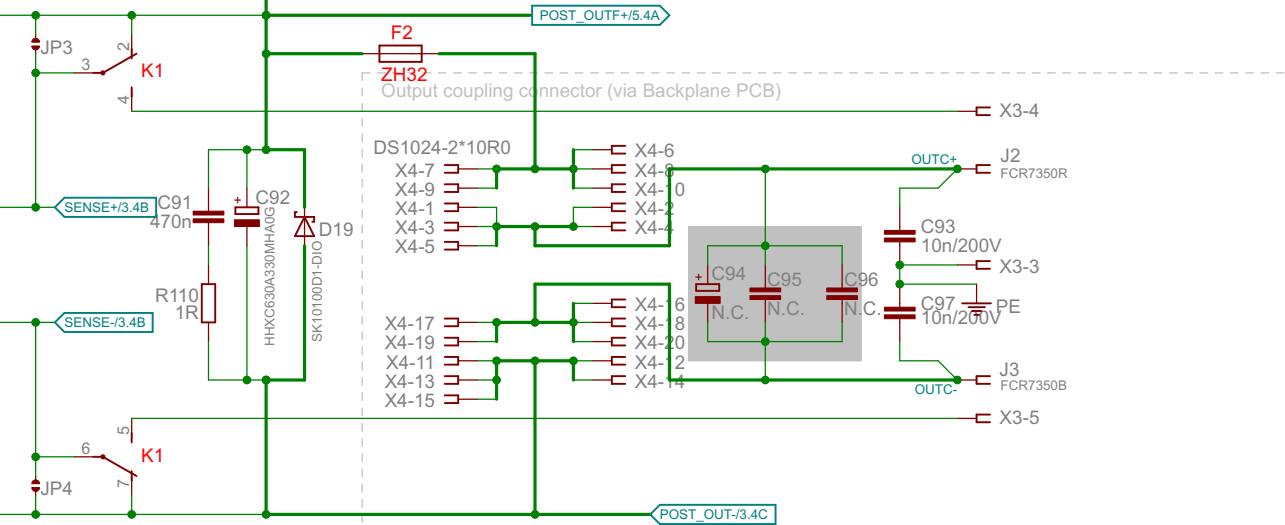
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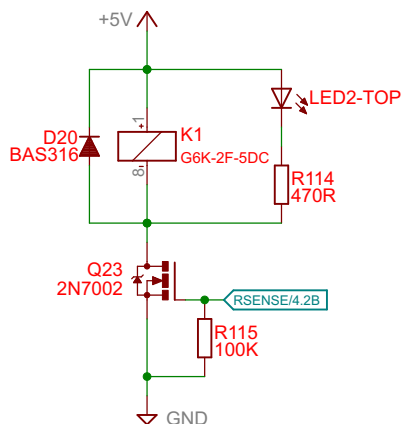
Remote sense reverse polarity detection



Power output section



Remote sense selection



20-pin power socket

OUTC+ 1	2 OUTC+
OUTC+ 3	4 OUTC+
OUTC+ 5	6 POST_OUT+ (fused)
POST_OUT+ (fused) 7	8 POST_OUT+ (fused)
POST_OUT+ (fused) 9	10 POST_OUT+ (fused)
POST_OUT- 11	12 POST_OUT-
POST_OUT- 13	14 POST_OUT-
POST_OUT- 15	16 OUTC-
OUTC- 17	18 OUTC-
OUTC- 19	20 OUTC-

Rsense polarity protection
Output coupling, Rsense relay

TITLE: EEZ DIB DCP405 r2B8

Document Number:

REV:

Date: 5.1.2020. 11:14

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