

Note 1.1: Possible alternative AU1RFR5305, IRFR5305, SPD30P06P or other with similar or lower input capacitance
 Note 1.2: WE 7447709330, WE 7443551331, Coilcraft MSS1210-333, Coilcraft XAL1510-333, Vishay IHLP4040DZER470M11, etc.



HR000002
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 More info at <http://www.envox.hr/eez>
 Repository: <https://github.com/eez-open>

SMPS power pre-regulator with 100% duty cycle

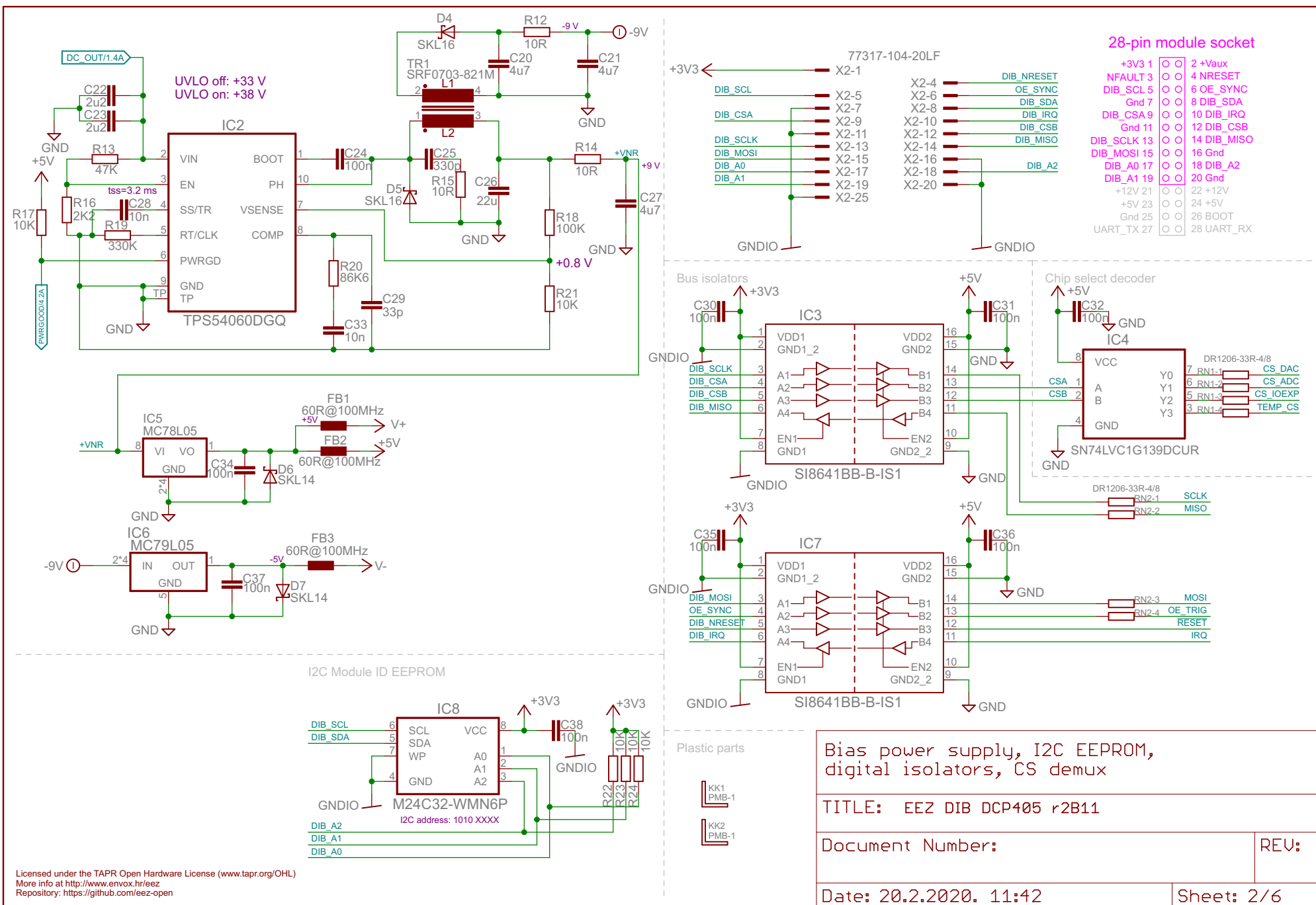
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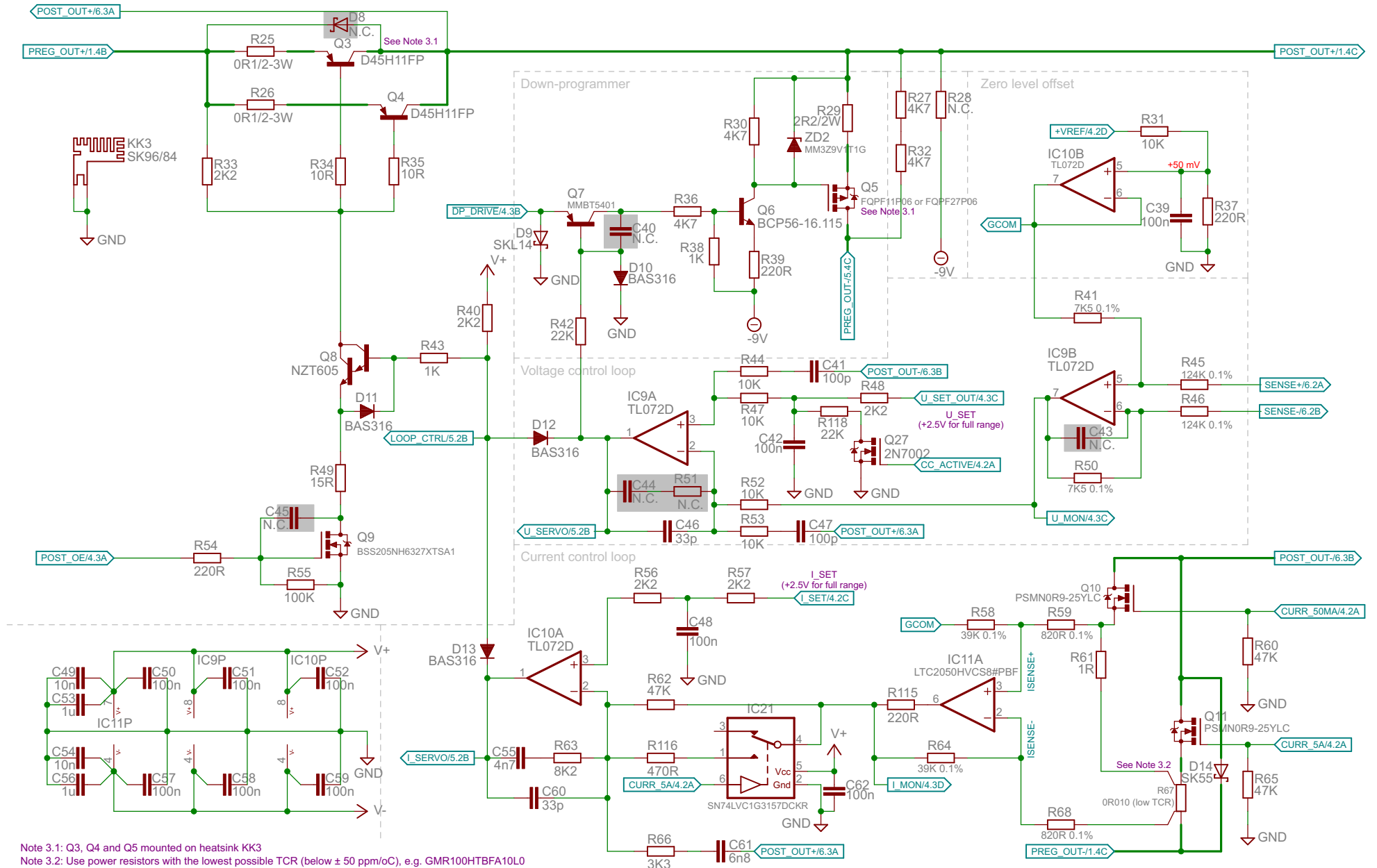
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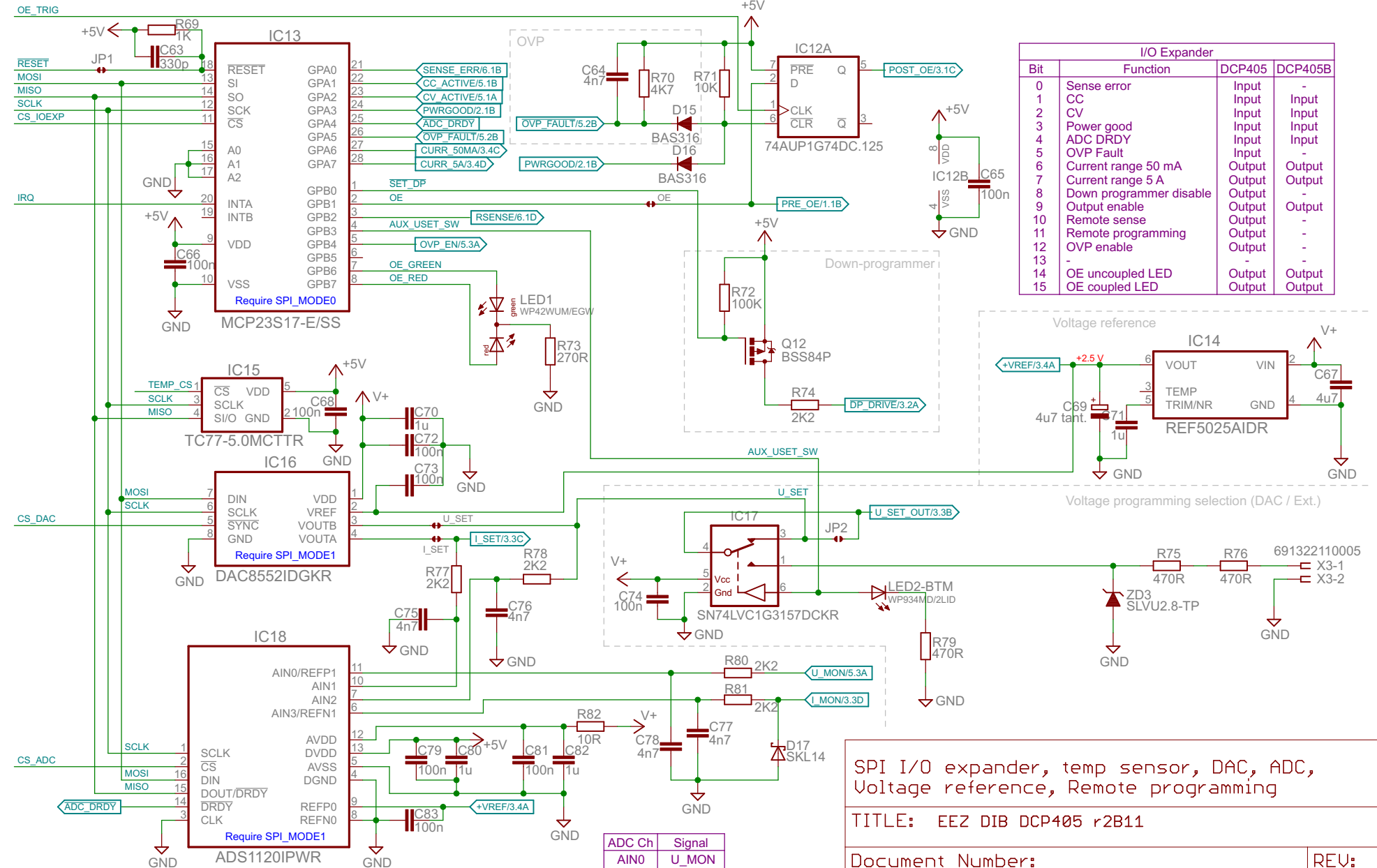
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Digital control (SPI)



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

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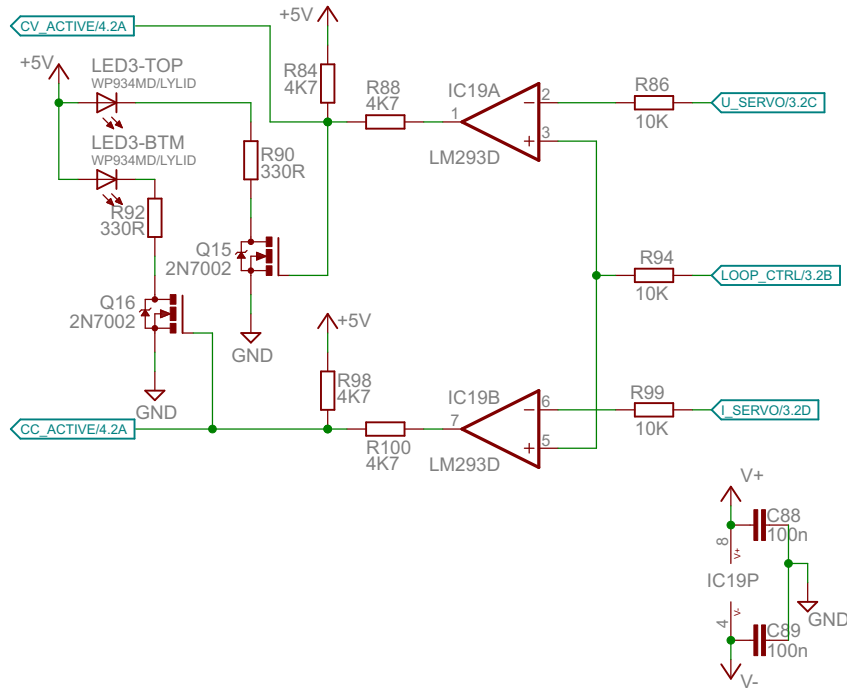
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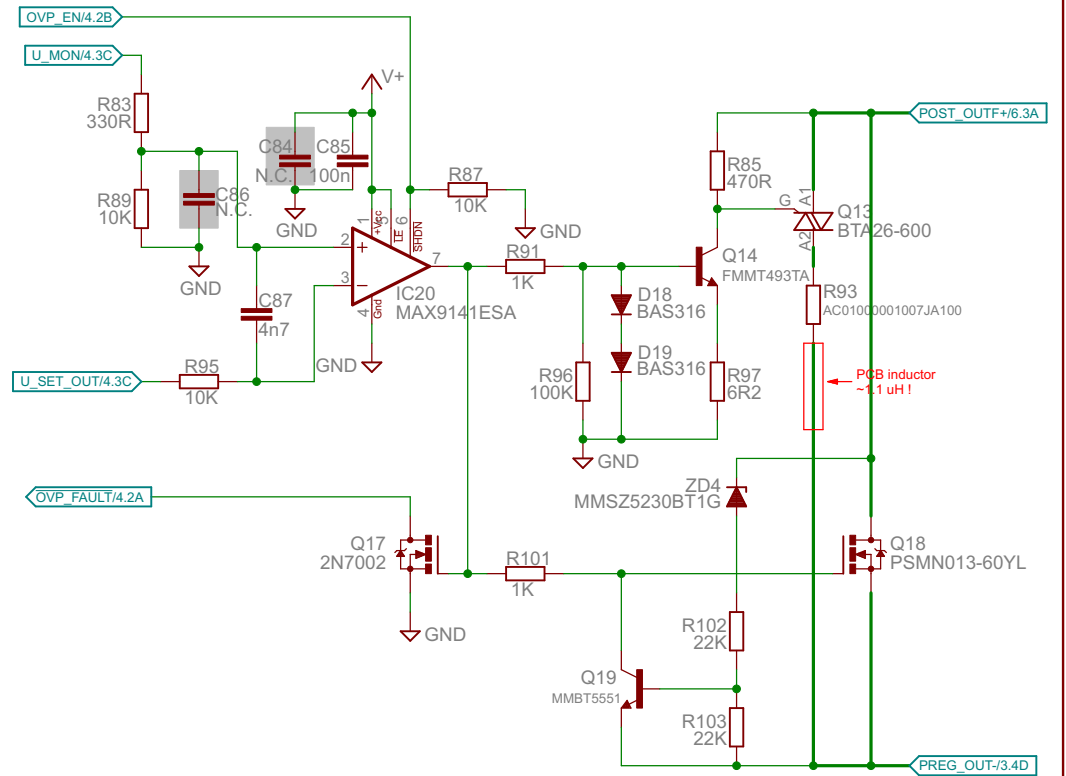
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Constant Voltage (CV) and Constant Current (CC) mode detection and indication



Over-voltage protection (OVP)



CC/CV mode detection and indication, OVP

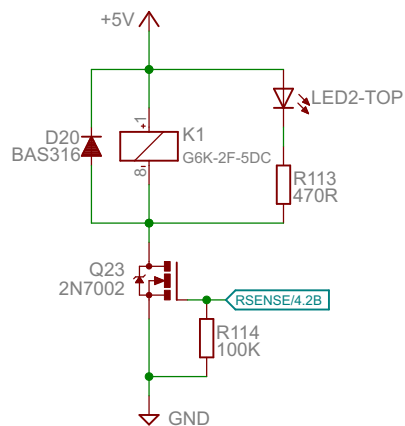
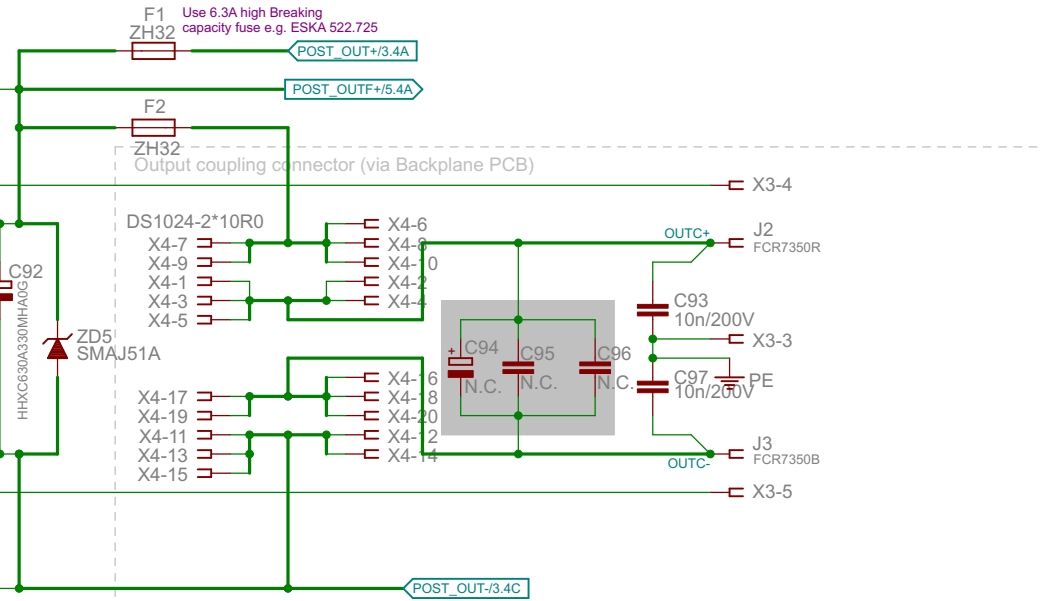
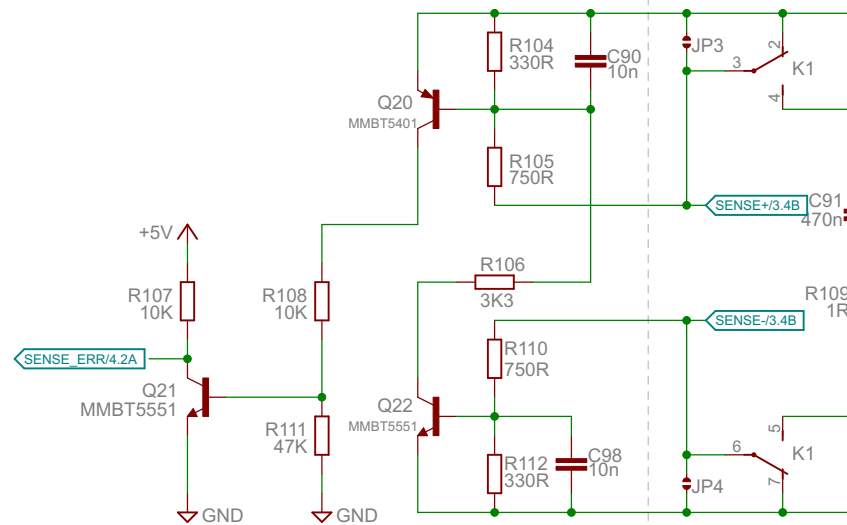
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|---------------------|--------------------------|----------------------|
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| OUTC+ 3 | <input type="checkbox"/> | 4 OUTC+ |
| OUTC+ 5 | <input type="checkbox"/> | 6 POST_OUT+ (fused) |
| POST_OUT+ (fused) 7 | <input type="checkbox"/> | 8 POST_OUT+ (fused) |
| POST_OUT+ (fused) 9 | <input type="checkbox"/> | 10 POST_OUT+ (fused) |
| POST_OUT- 11 | <input type="checkbox"/> | 12 POST_OUT- |
| POST_OUT- 13 | <input type="checkbox"/> | 14 POST_OUT- |
| POST_OUT- 15 | <input type="checkbox"/> | 16 OUTC- |
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| OUTC- 19 | <input type="checkbox"/> | 20 OUTC- |

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