

Bias power supply (+/-5V, +5V, -12V)
Powergood signal

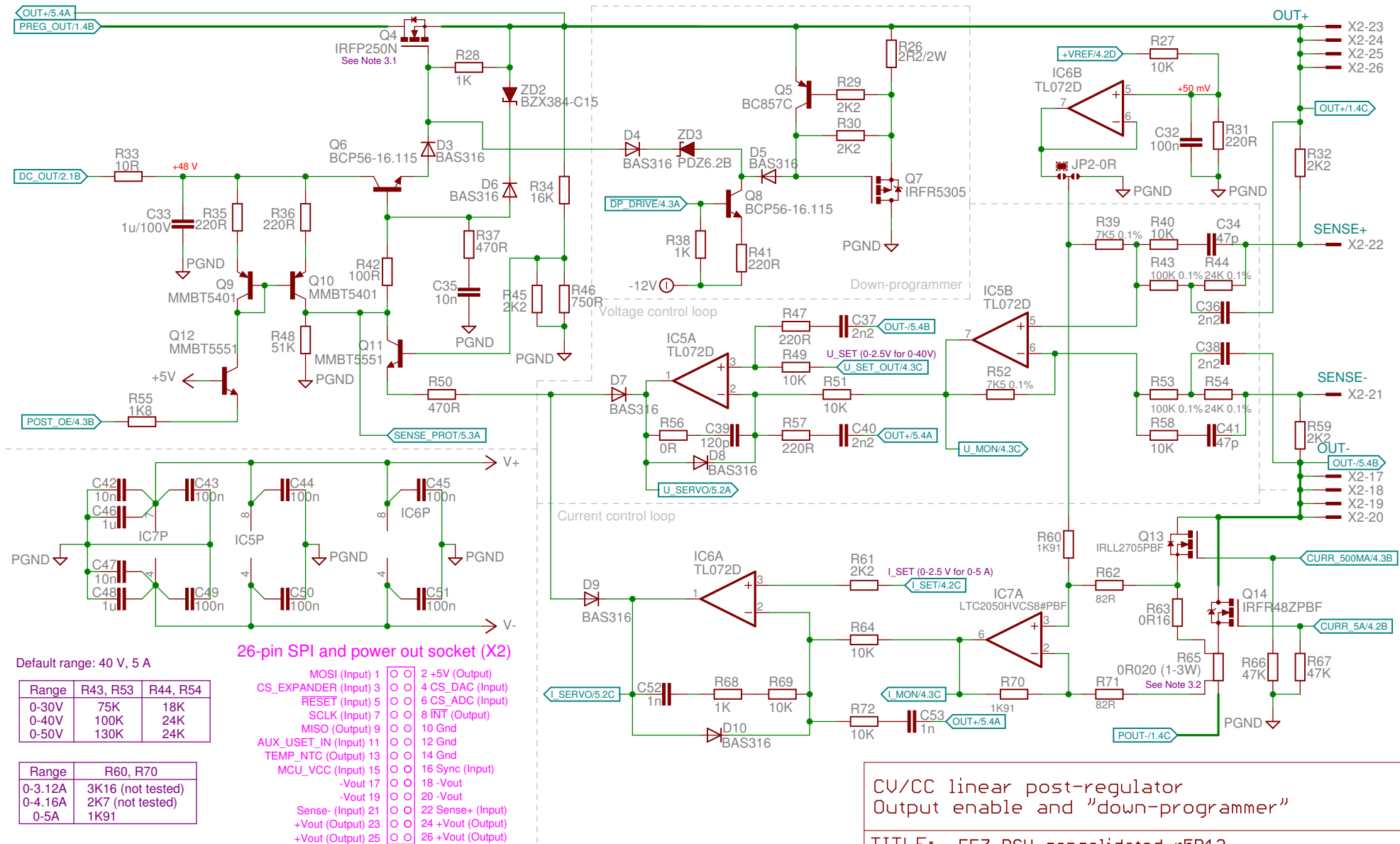
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CV/CC linear post-regulator
 Output enable and "down-programmer"

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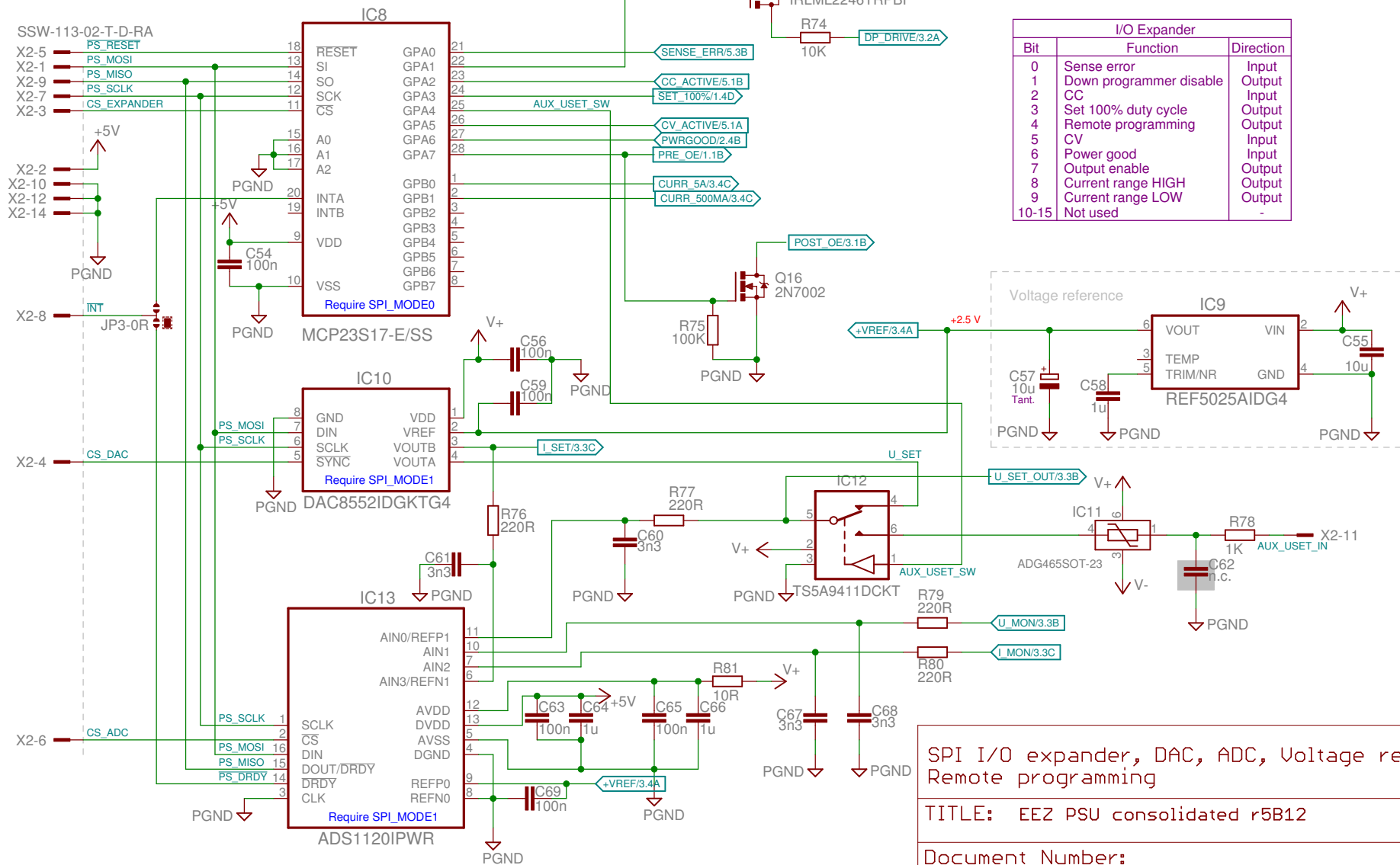
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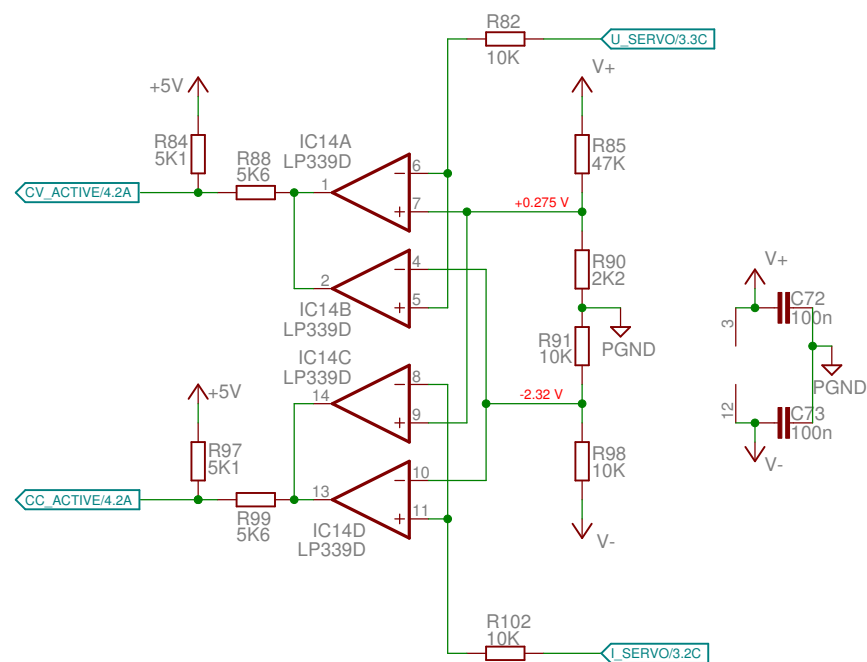
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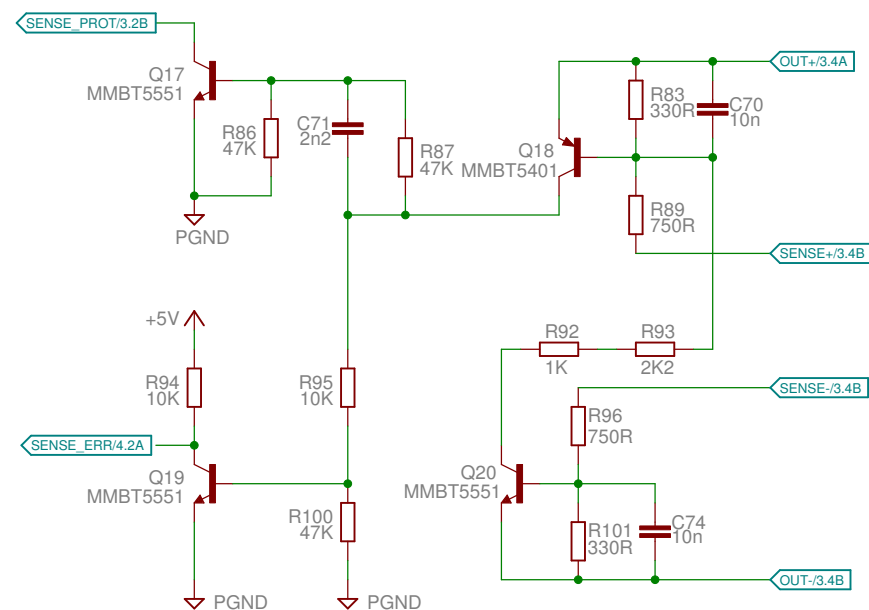
Digital control (SPI)



Constant Voltage (CV) and Constant Current (CC) mode indicator



Remote sense reverse polarity detection



CC/CV indicators, Sense error detection

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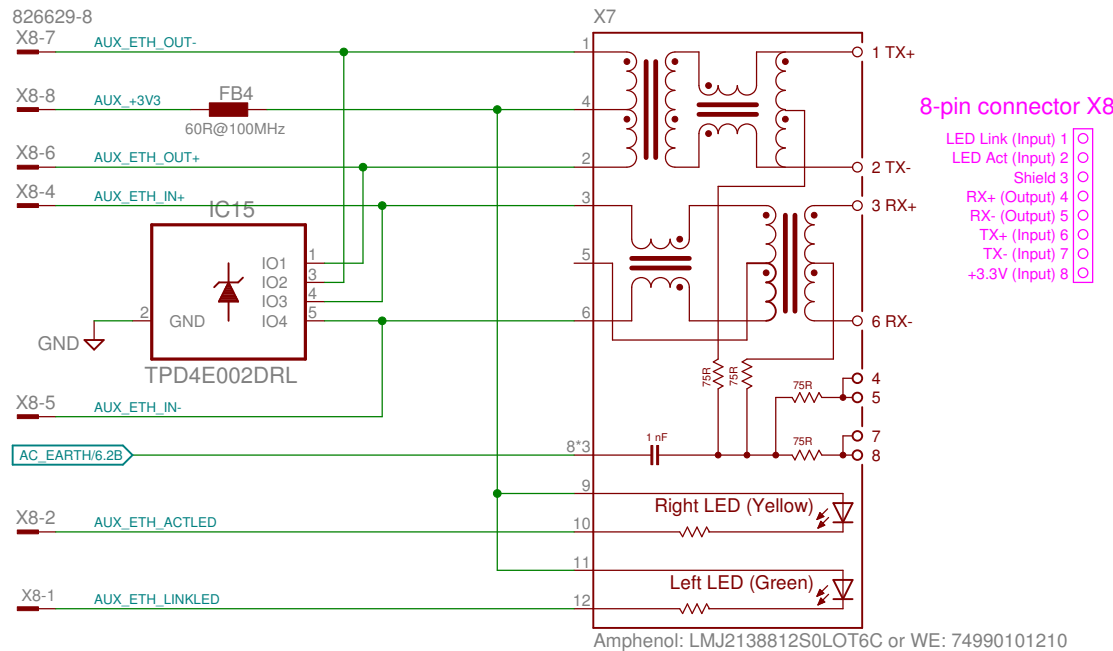
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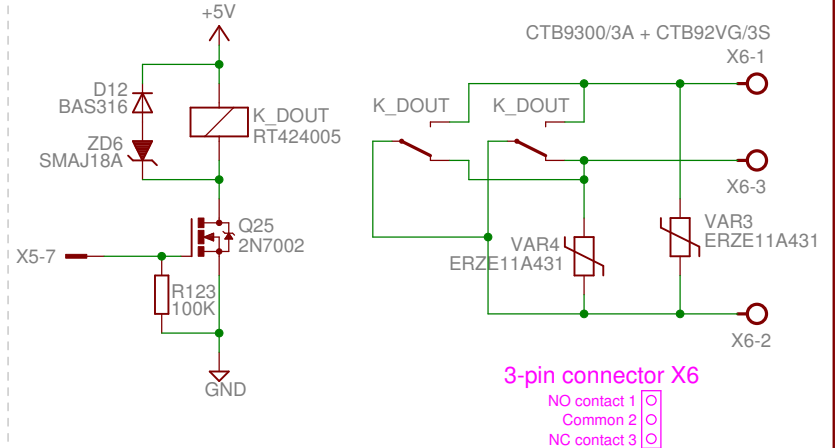
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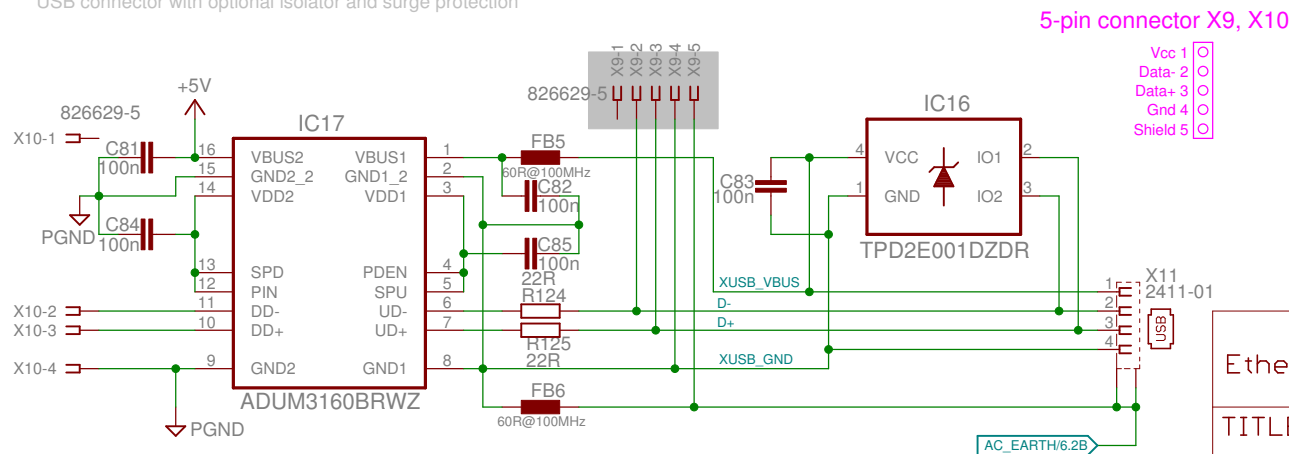
Ethernet connector with optional surge protection



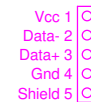
Digital OUT2 relay



USB connector with optional isolator and surge protection



5-pin connector X9, X10



Note 7.1: Mount X4 and X8 on the opposite (top) side of the PCB. Use 14 mm (e.g. Bossard B3X14/BN3320) for enclosure with 3 mm rear panel

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

Ethernet and USB PCB connectors

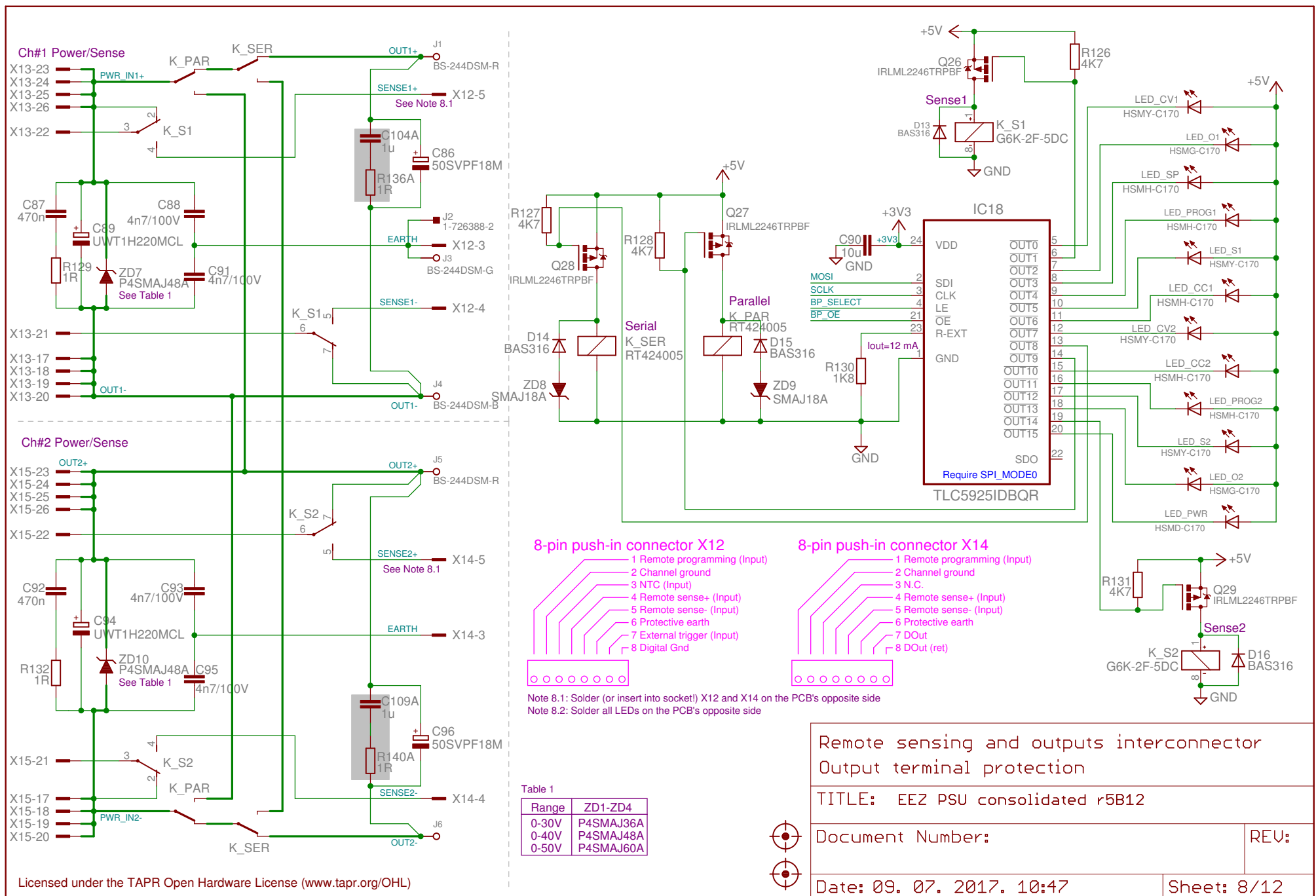
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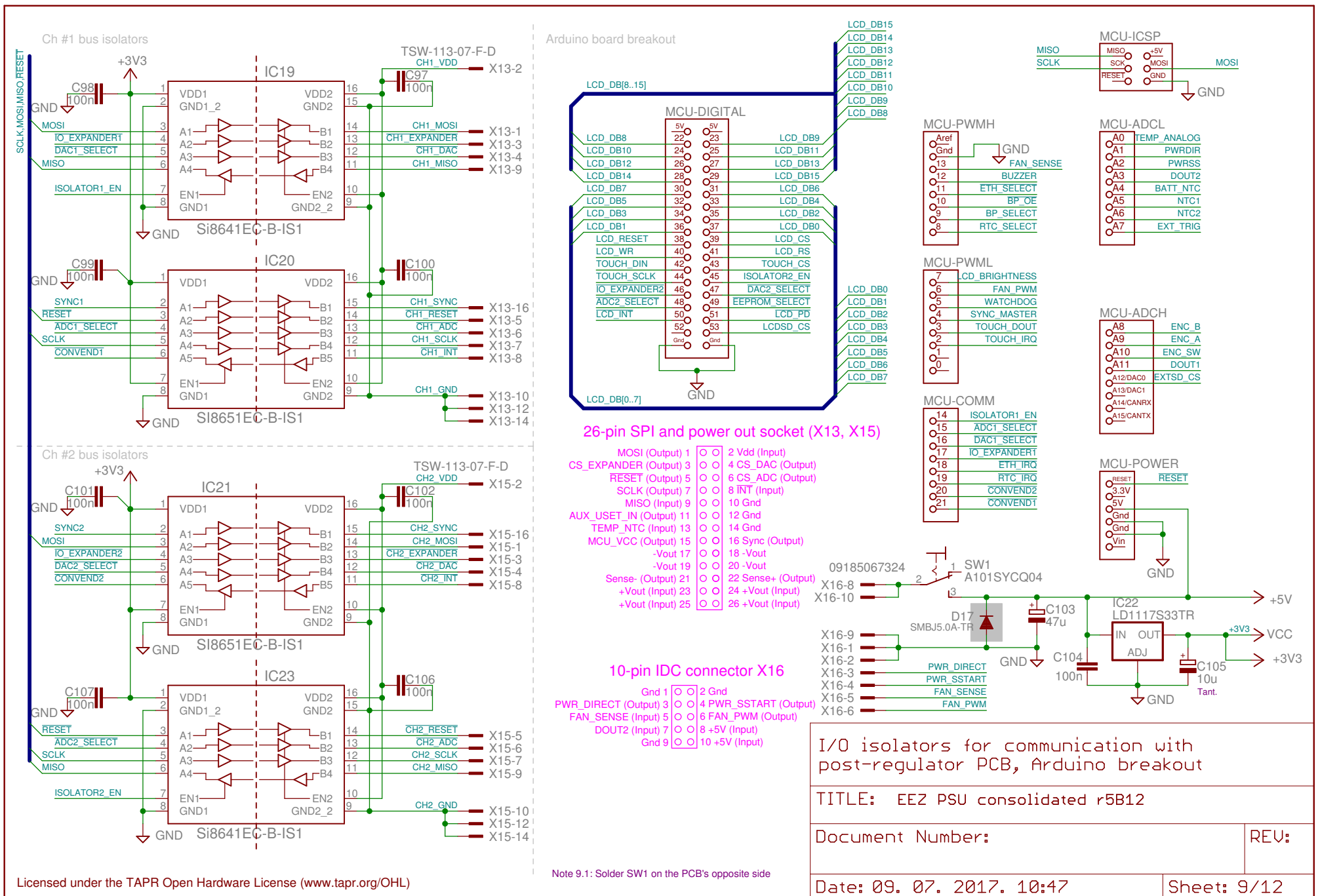
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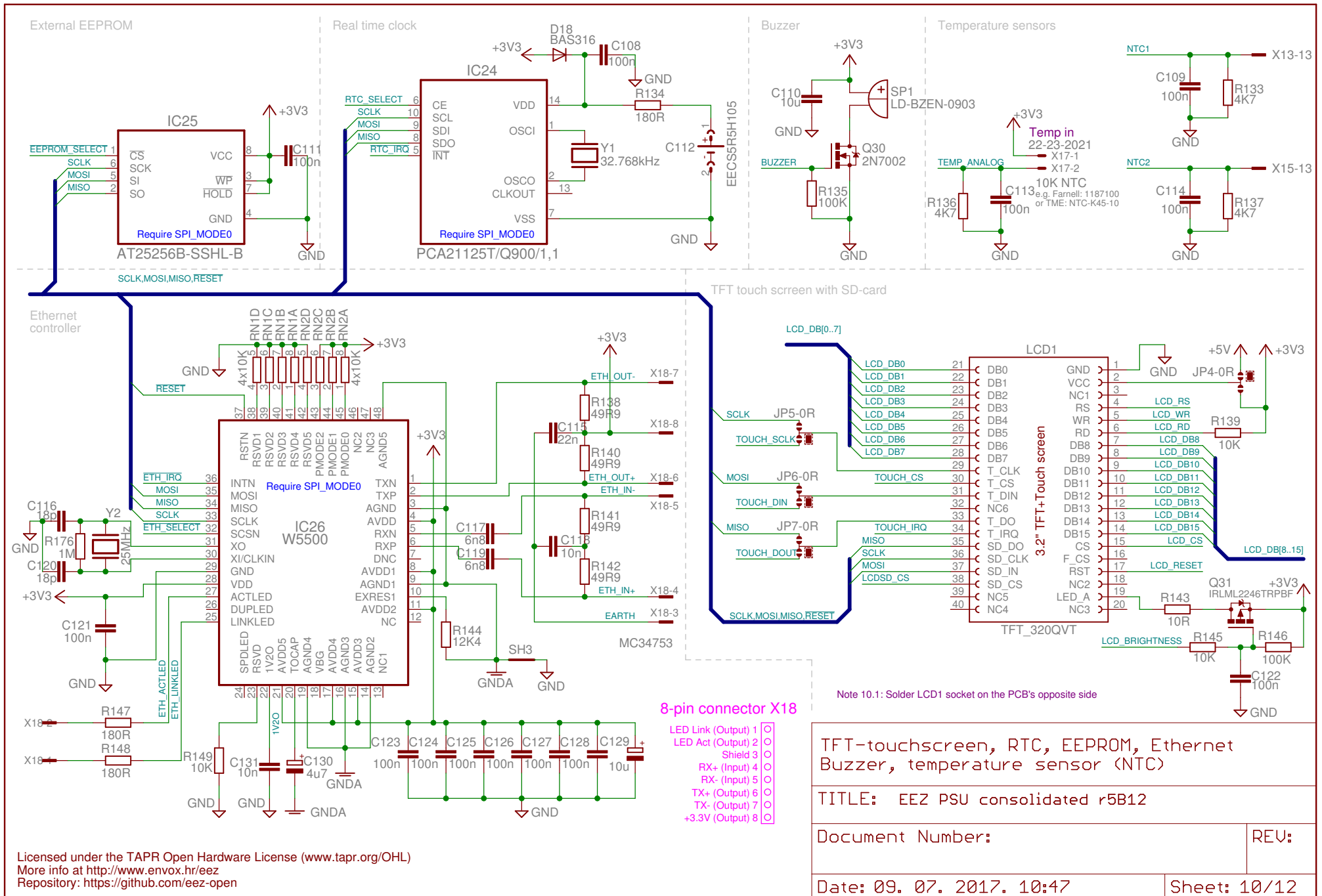
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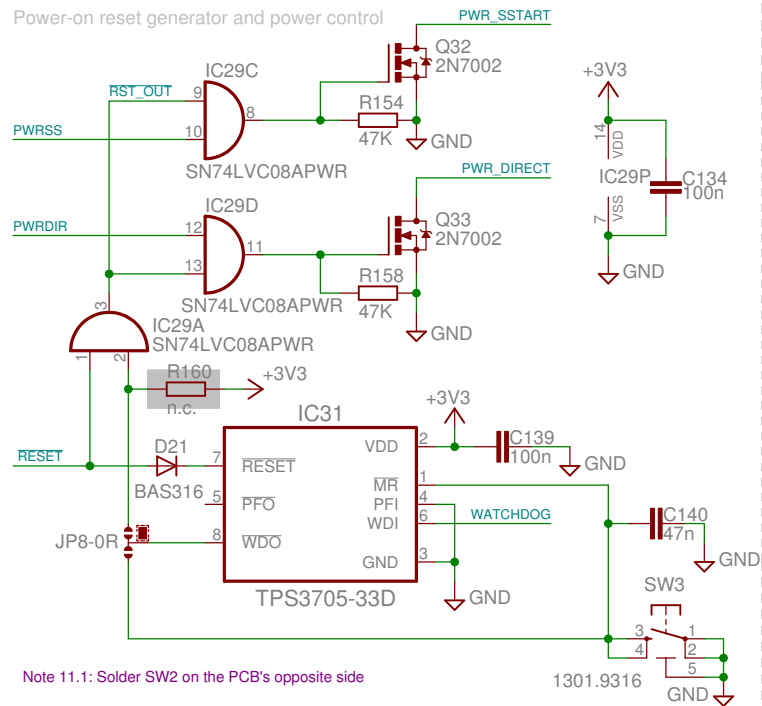




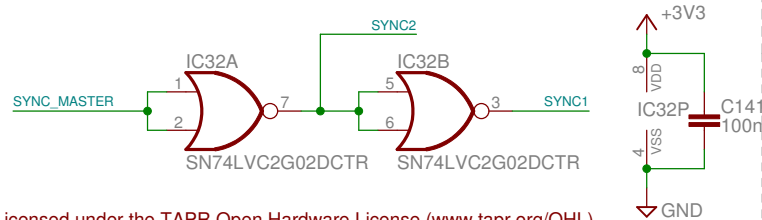
Remote programming inputs



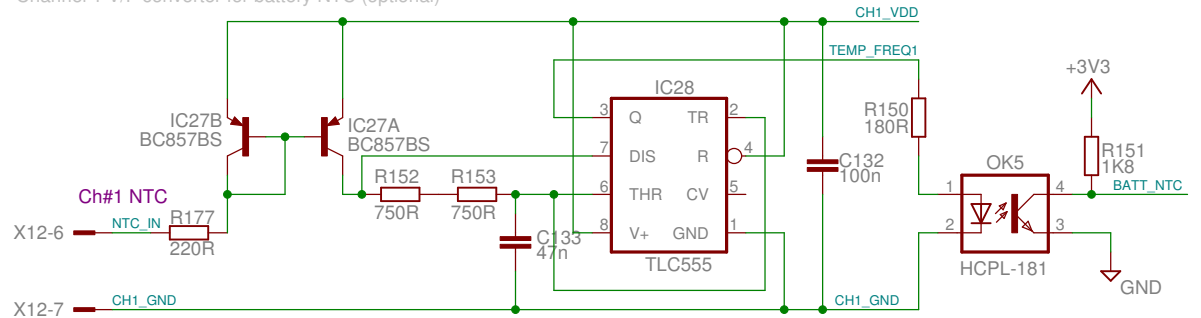
Power-on reset generator and power control



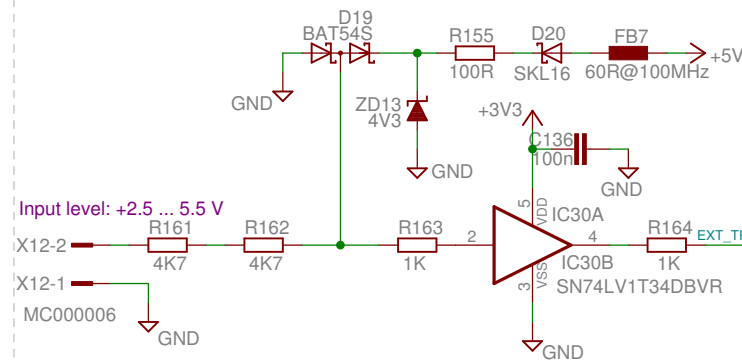
Master sync signal phase shifting



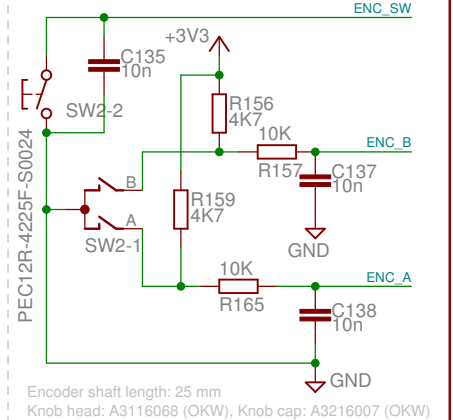
Channel 1 V/F converter for battery NTC (optional)



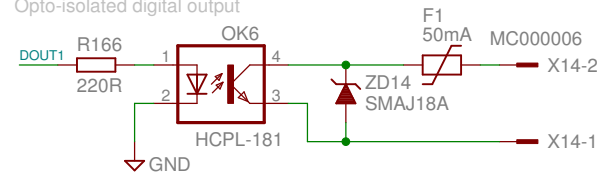
External trigger protection and level shifter/buffer



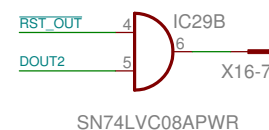
Rotary encoder



Opto-isolated digital output



DOUT2 driver



Reset control, soft-start driver, encoder
U/F converter for battery NTC, External trigger

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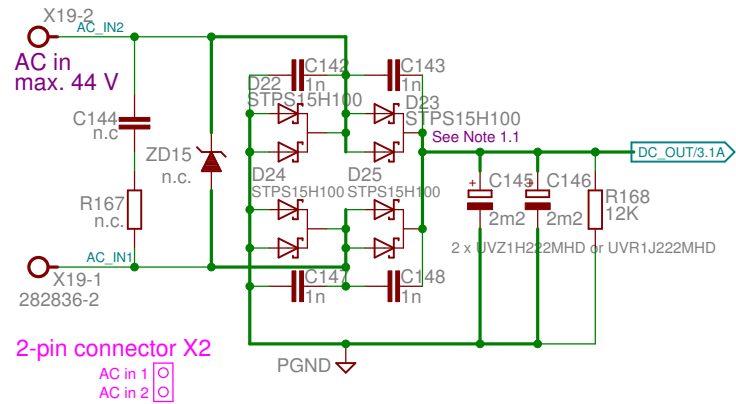
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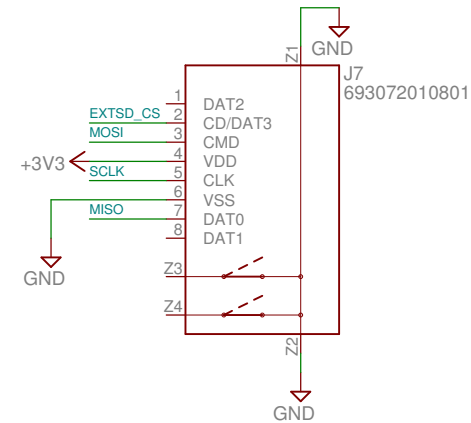
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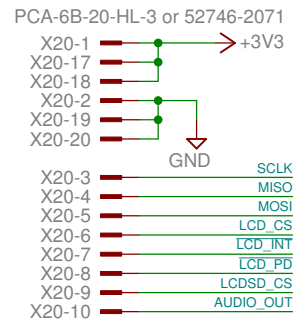
AC input option



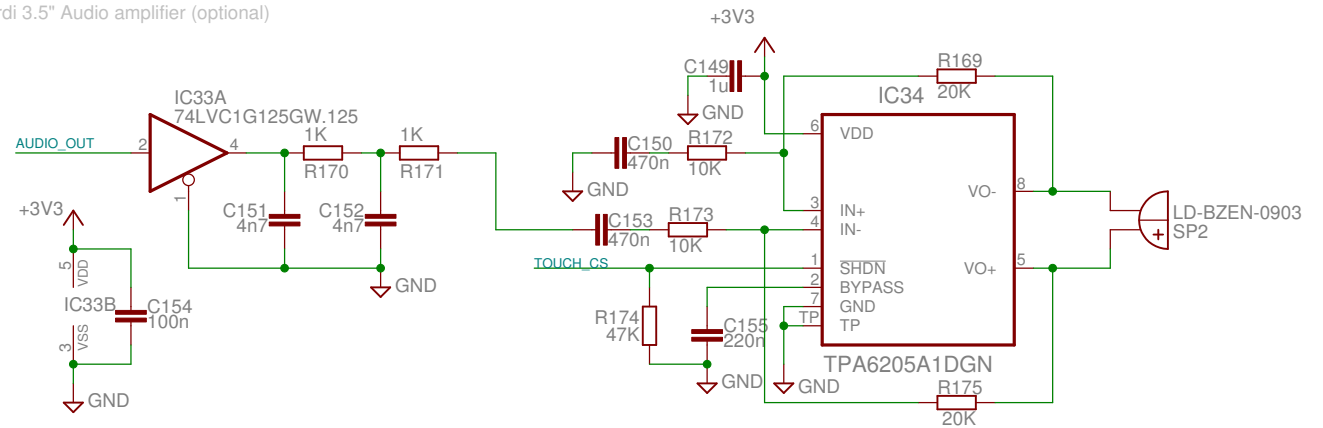
Micro SD card (optional)



Riverdi 3.5" LCD (optional)



Riverdi 3.5" Audio amplifier (optional)



Optional sections: AC input, 20-pin 3.5" TFT display
Audio amplifier for 3.5" TFT display, Micro SD card

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