

Bias power supply with SMPS pre-regulator

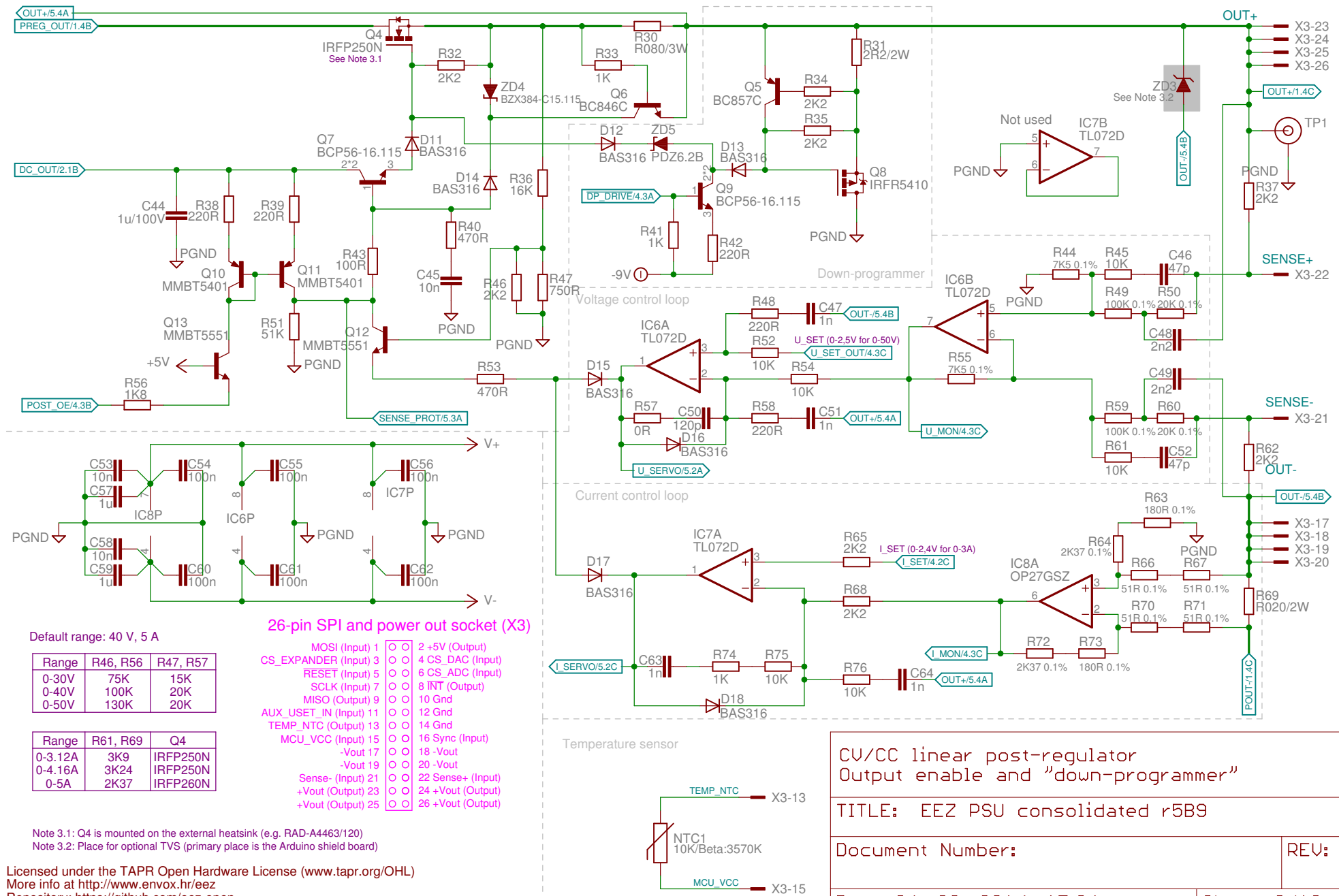
TITLE: EEZ PSU consolidated r5B9

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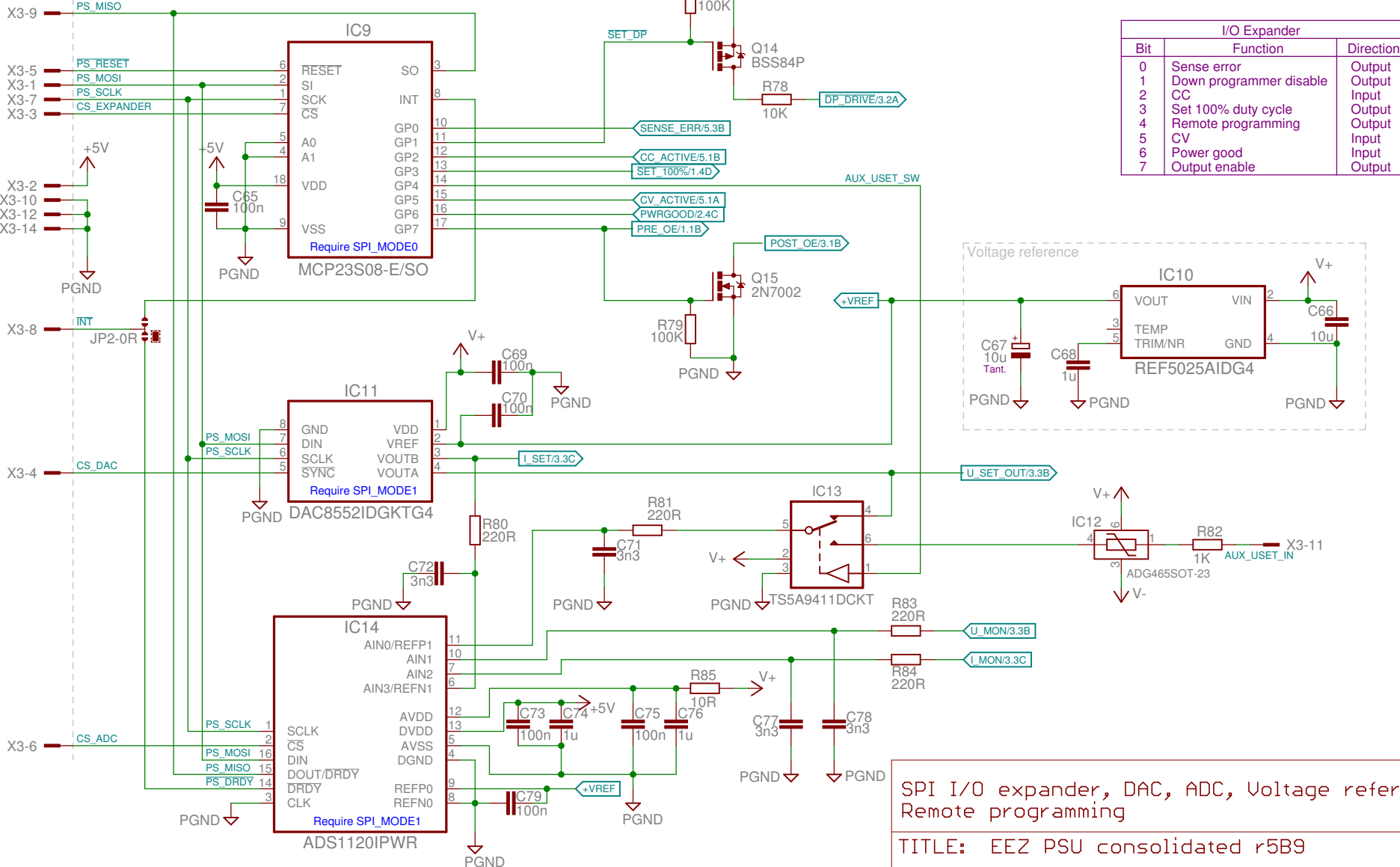
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Digital control (SPI)

SSW-113-02-T-D-RA



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

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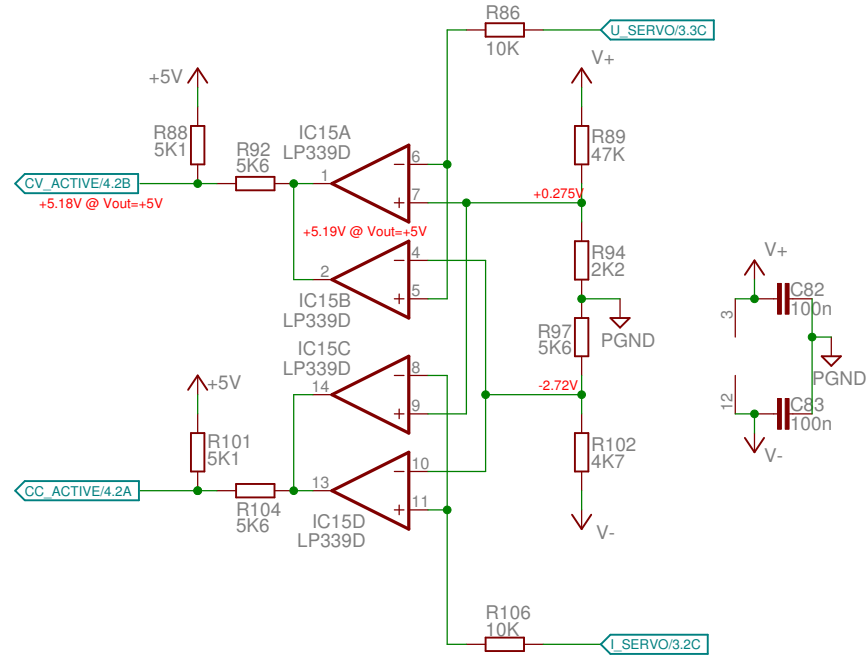
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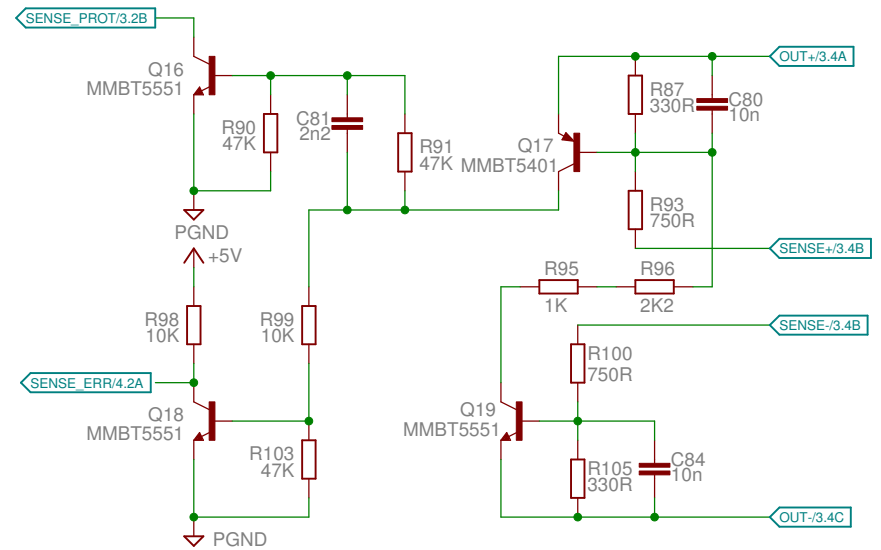
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Constant Voltage (CV) and Constant Current (CC) mode indicator



Remote sense reverse polarity detection



CC/CV indicators, Sense error detection

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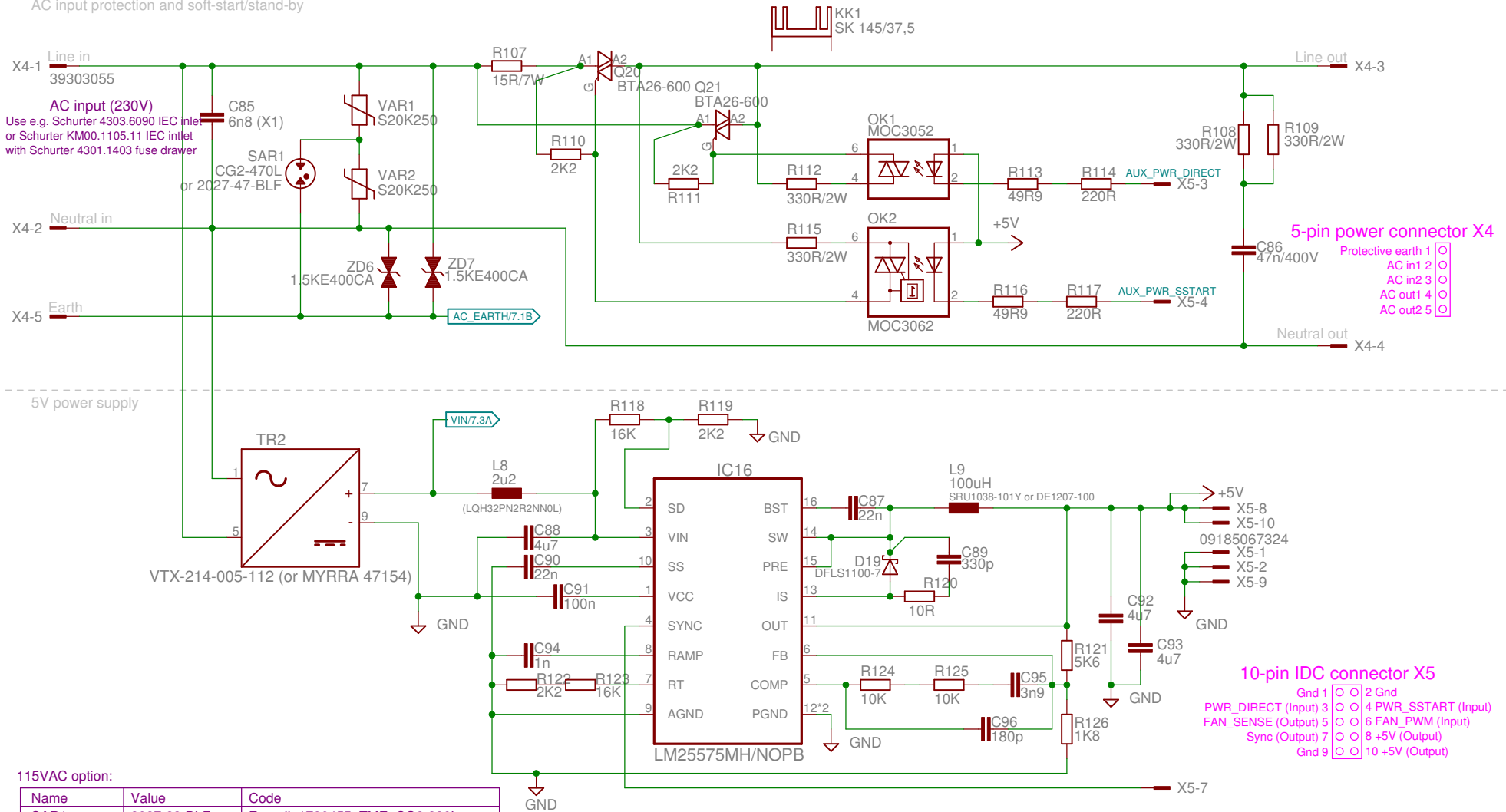
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AC input protection and soft-start/stand-by

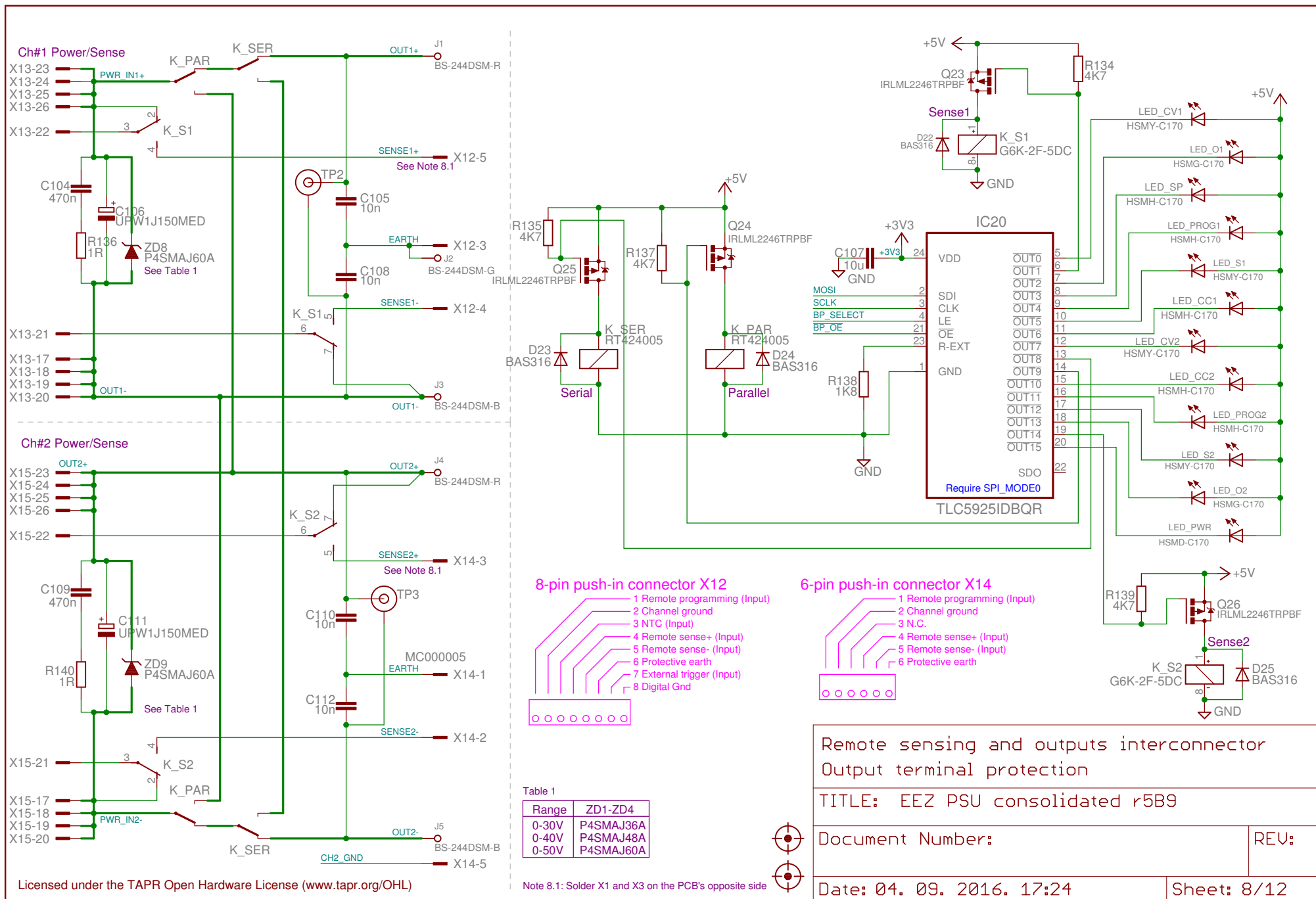


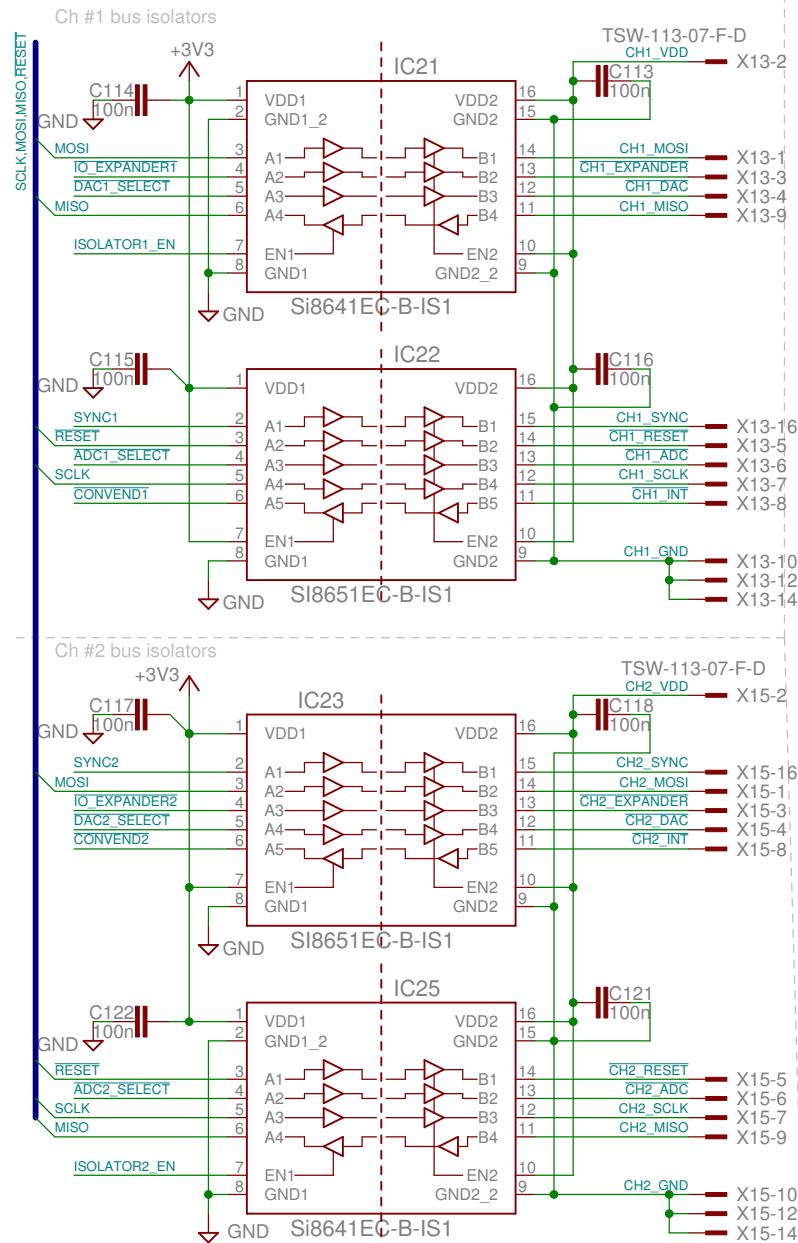
LED Link (Input) 1	○
LED Act (Input) 2	○
Shield 3	○
RX+ (Output) 4	○
RX- (Output) 5	○
TX+ (Input) 6	○
TX- (Input) 7	○
+3.3V (Input) 8	○

[illegible]

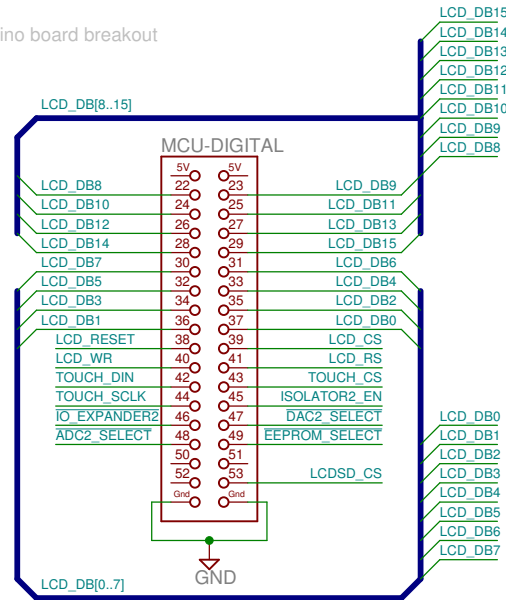
Vcc 1	<input type="radio"/>
Data- 2	<input type="radio"/>
Data+ 3	<input type="radio"/>
Gnd 4	<input type="radio"/>
Shield 5	<input type="radio"/>

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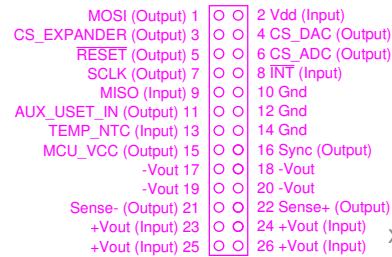




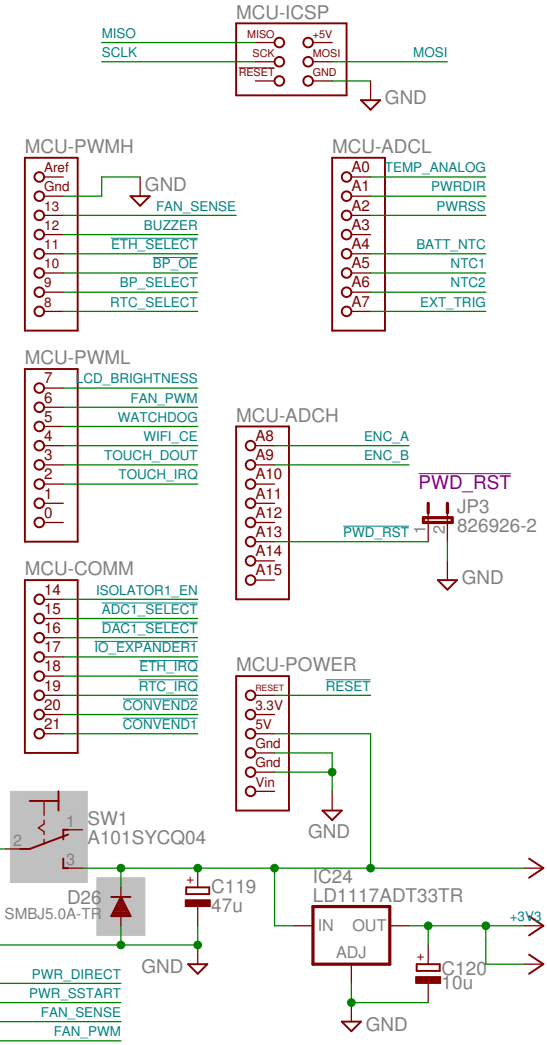
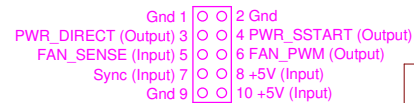
Arduino board breakout



26-pin SPI and power out socket (X13, X15)



10-pin IDC connector X16



I/O isolators for communication with post-regulator PCB, Arduino breakout

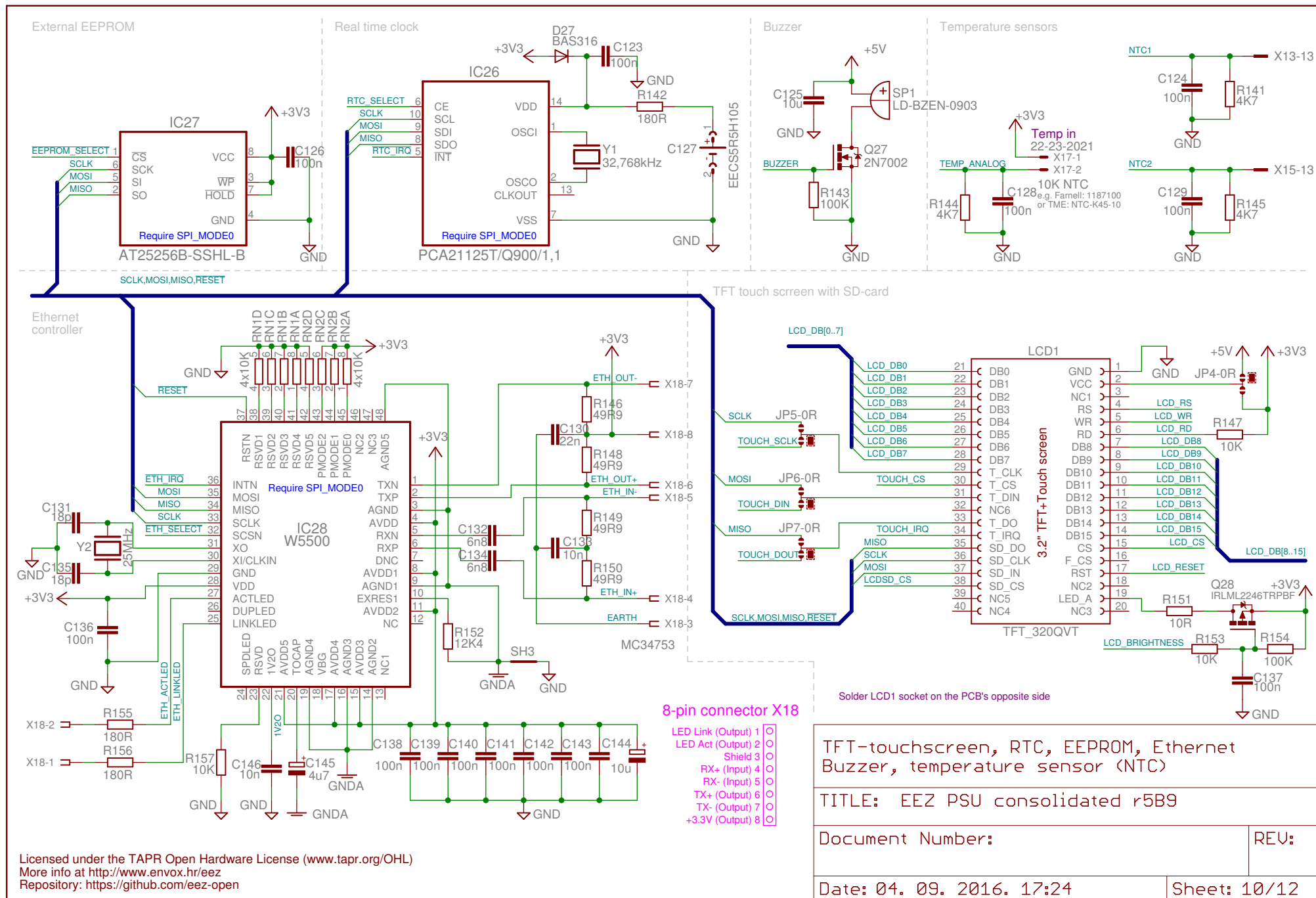
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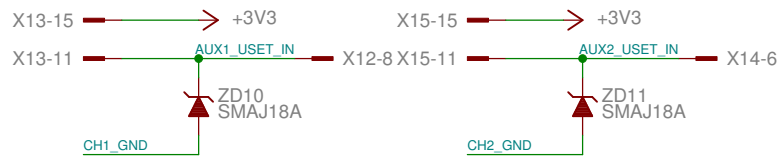
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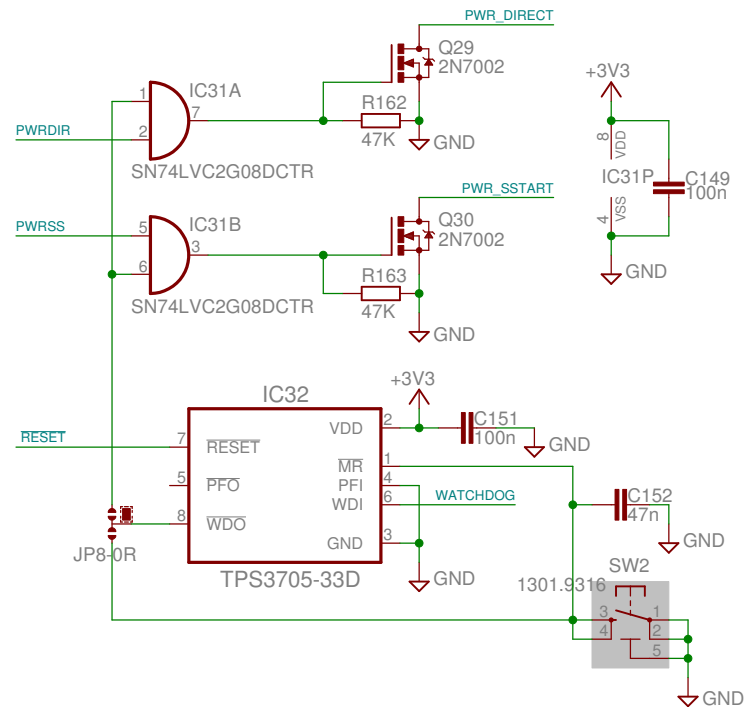
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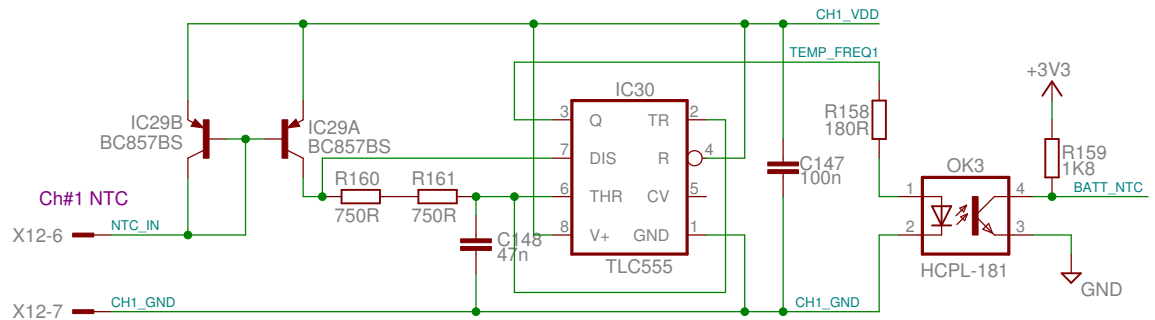
Remote programming inputs



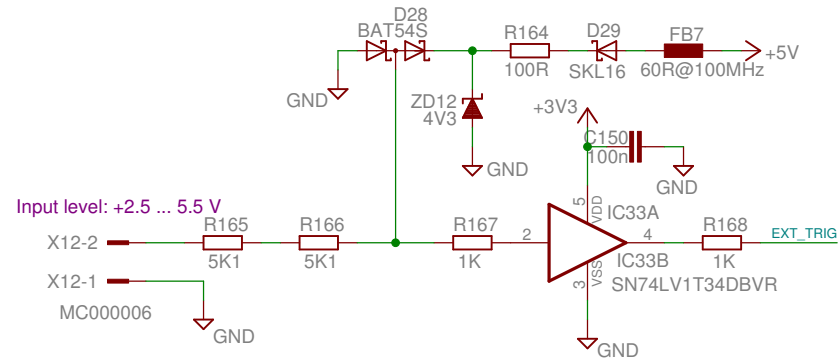
Power-on reset generator and power control



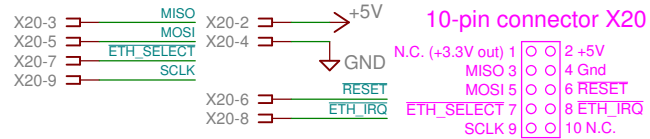
Channel 1 V/F converter for battery NTC (optional)



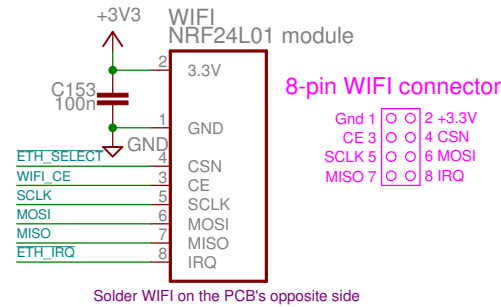
External trigger protection and level shifter/buffer



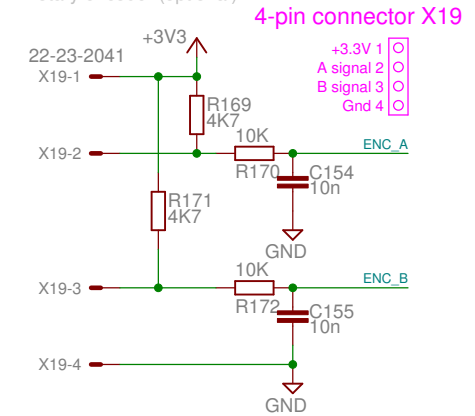
Optional Ethernet module connector



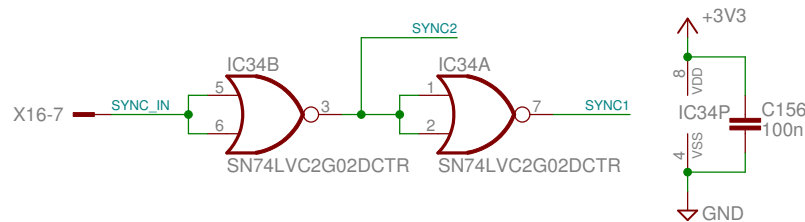
Optional Wifi module connector



Rotary encoder (optional)



Master sync signal phase shifting



Optional ethernet, Wifi and encoder
Power boards SMPS sync

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