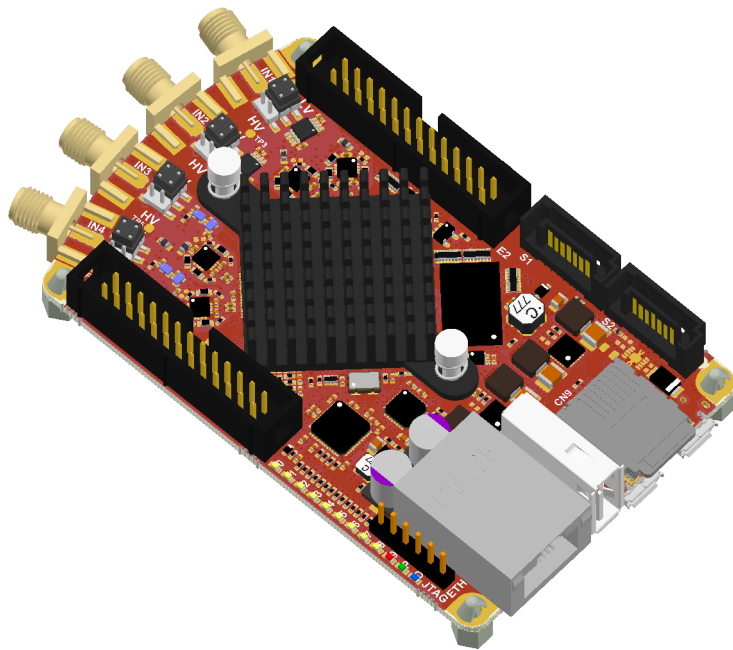




Red Pitaya d.o.o.
Velika pot 22
5250 Solkan
Slovenia



Electrical schematics & Assembly Drawings for:

Name: **STEMlab 125-14-4_IN**

Version: **V1r3**

Assembly variant: **STEMlab_125-14_4_IN**

Release Date: **26.9.2022**



Brief

STEMlab 125-14_4IN V1r3 Assembly variant: **STEMlab_125-14_4_IN**

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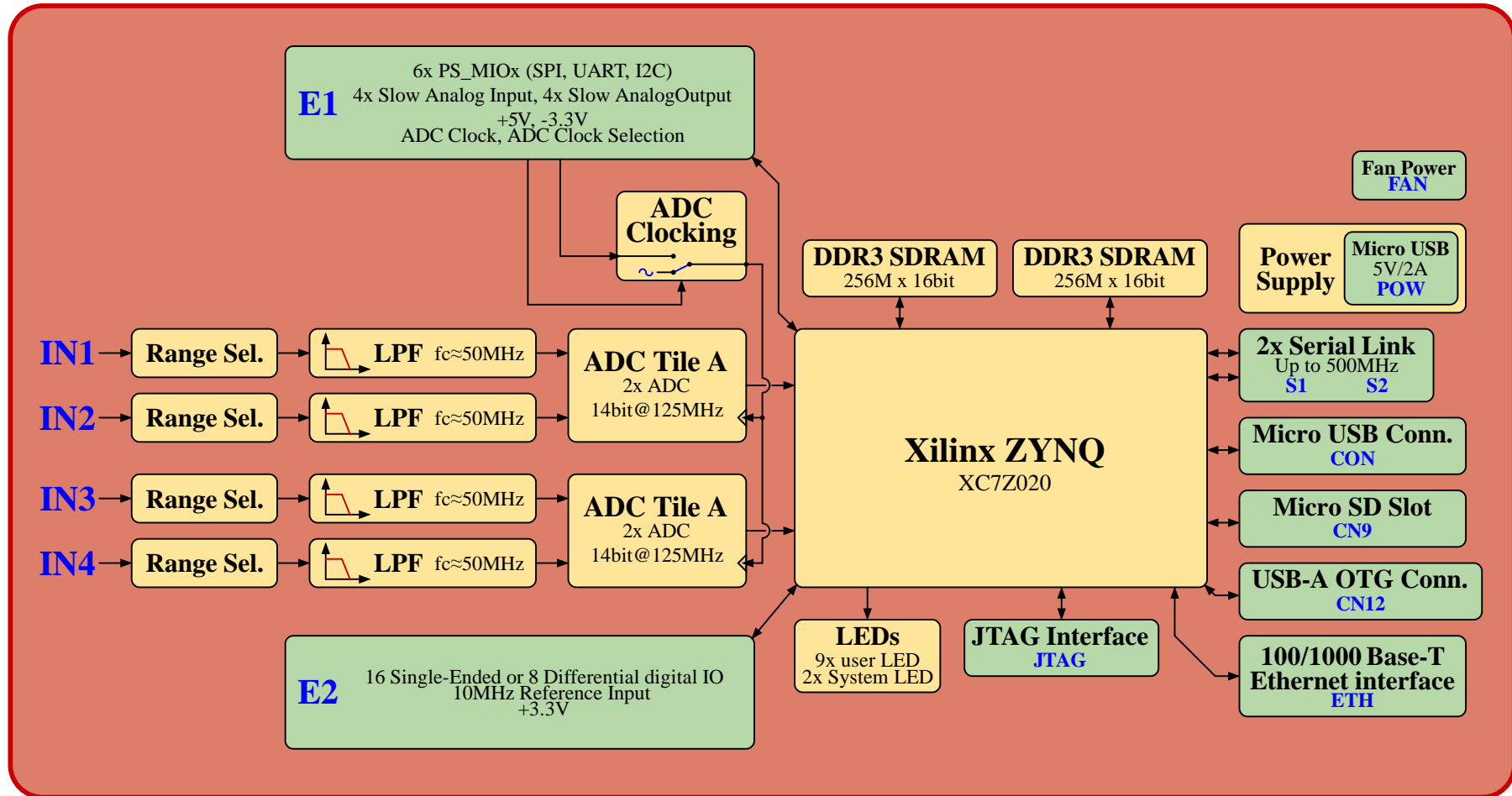
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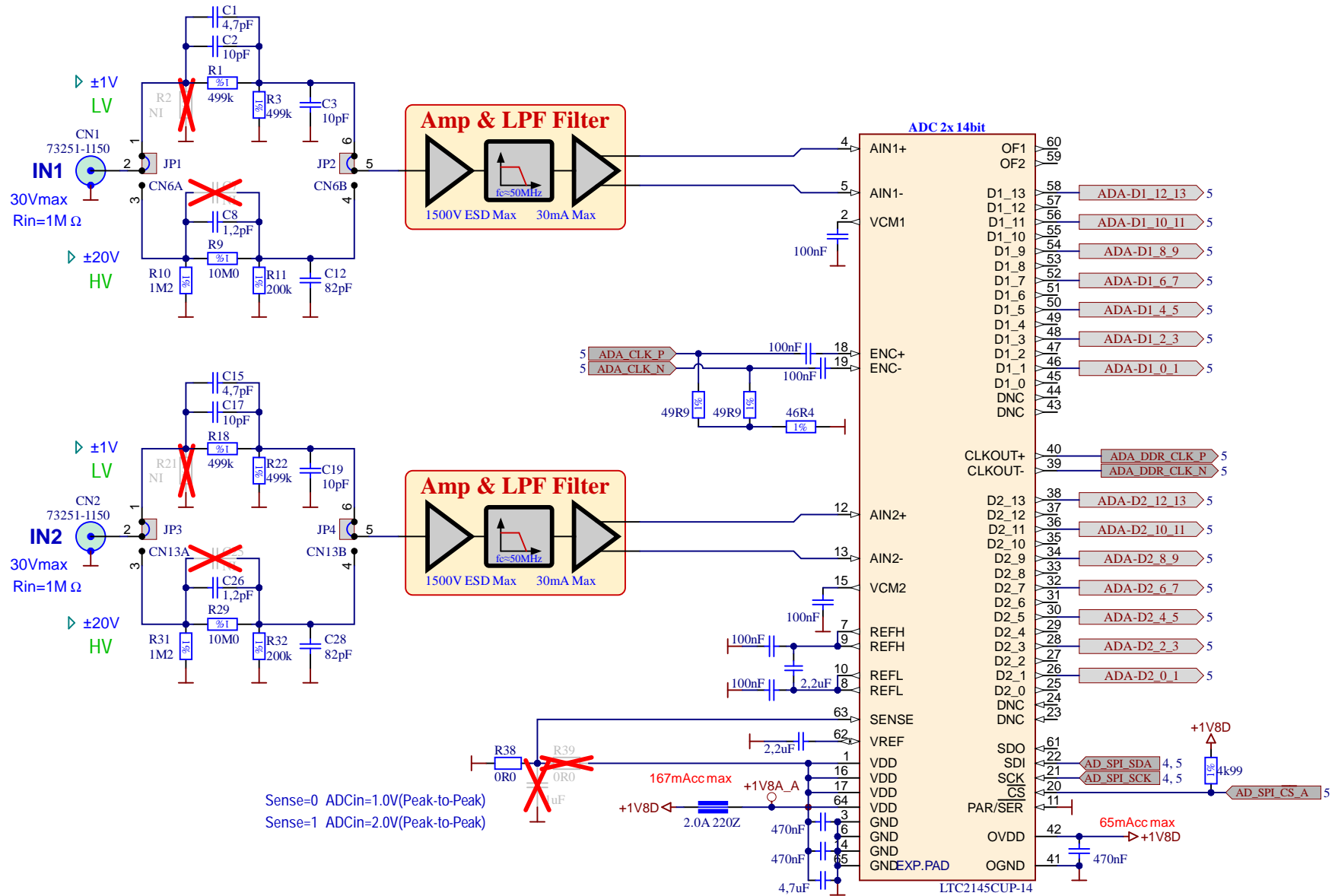
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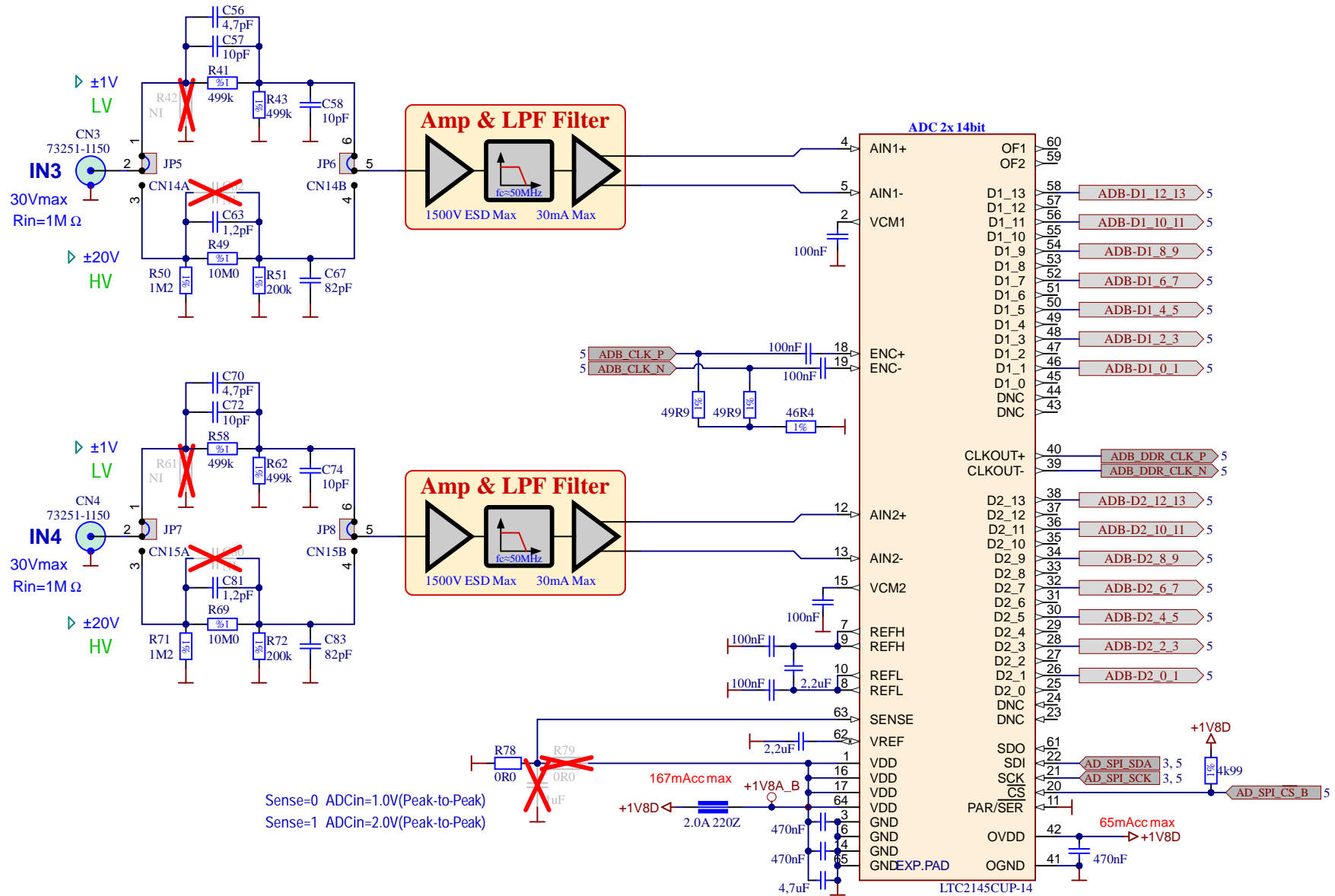
Block Diagram



ADC Tile A

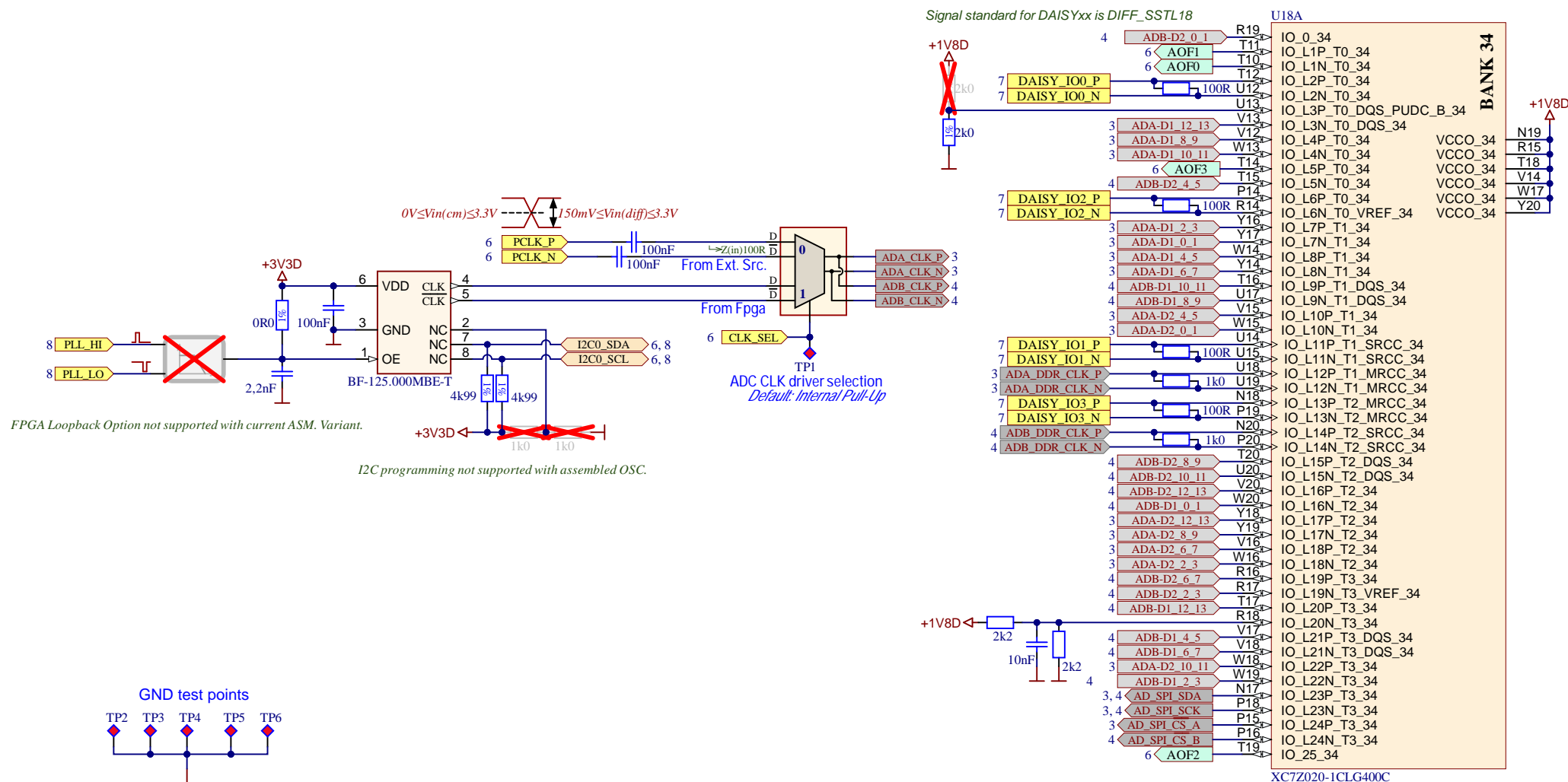


ADC Tile B



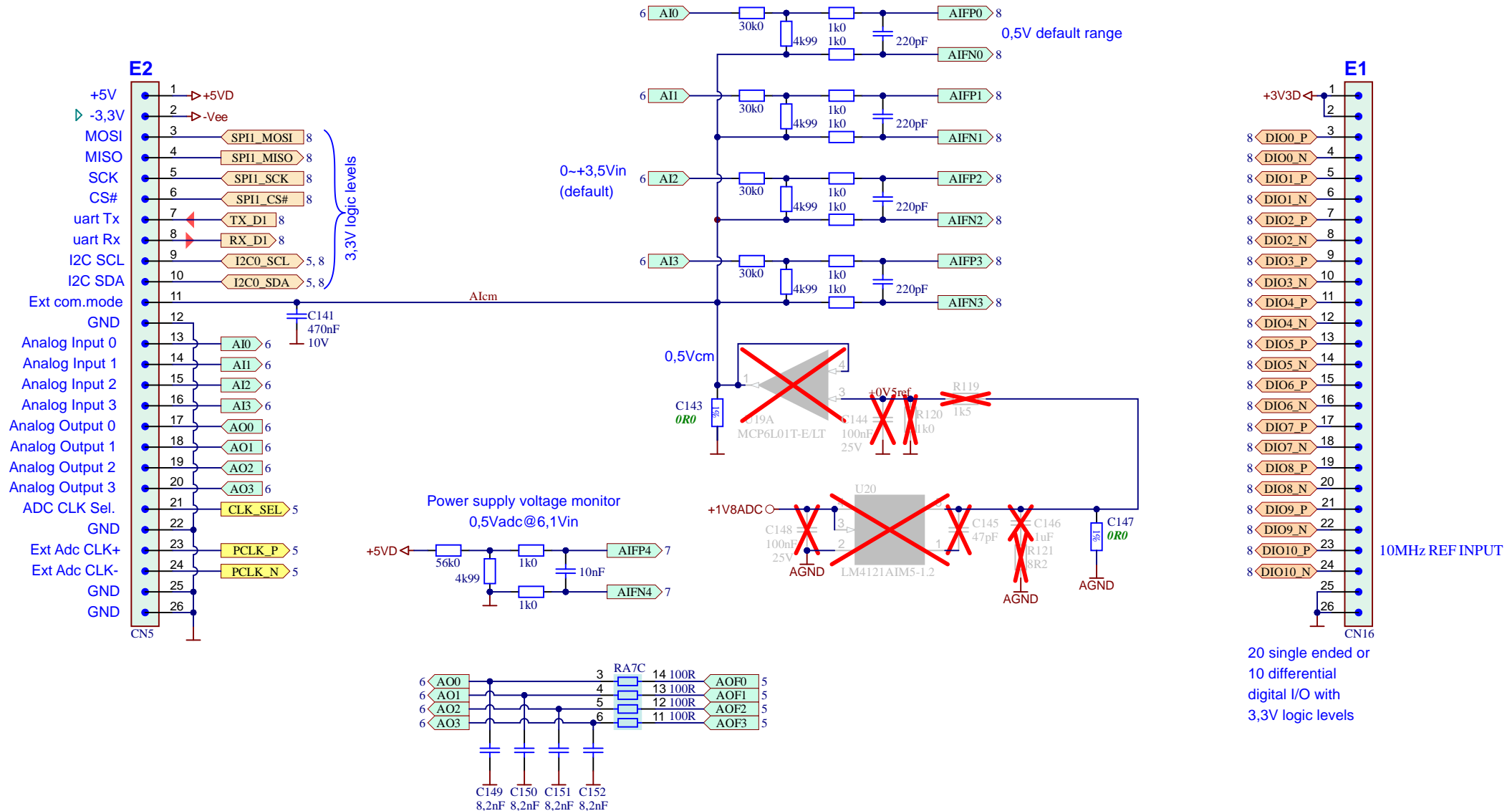


ADC Clocking & ADC-FPGA Interface



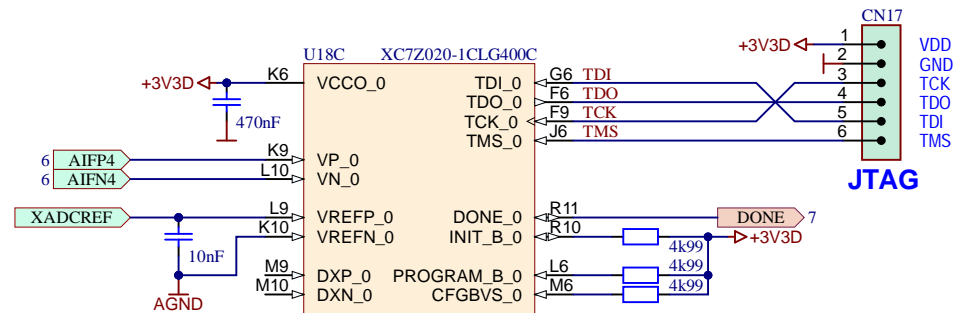
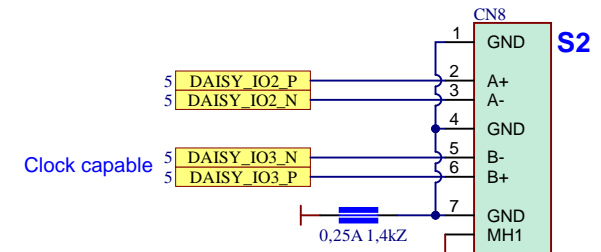
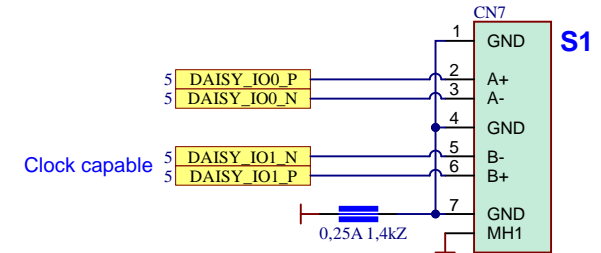
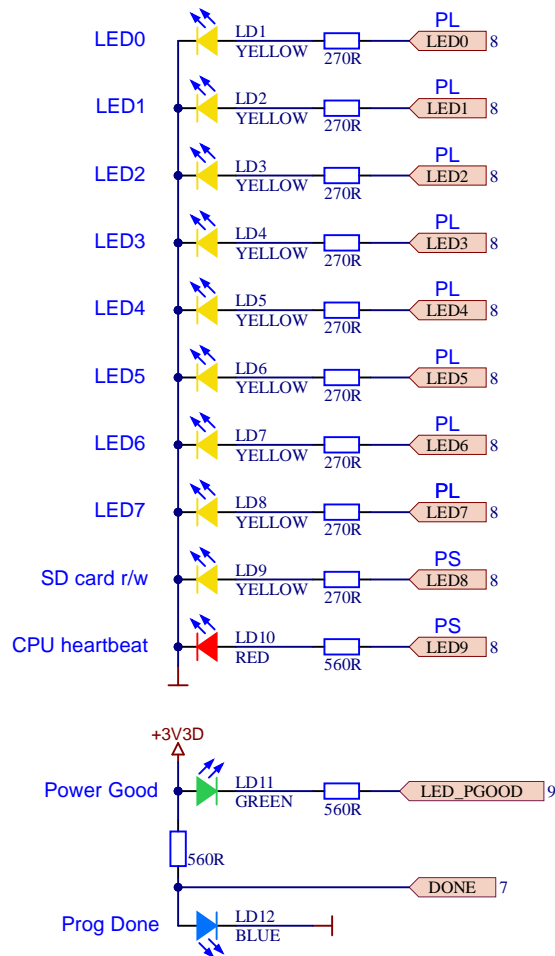


Digital & Slow Analog IO





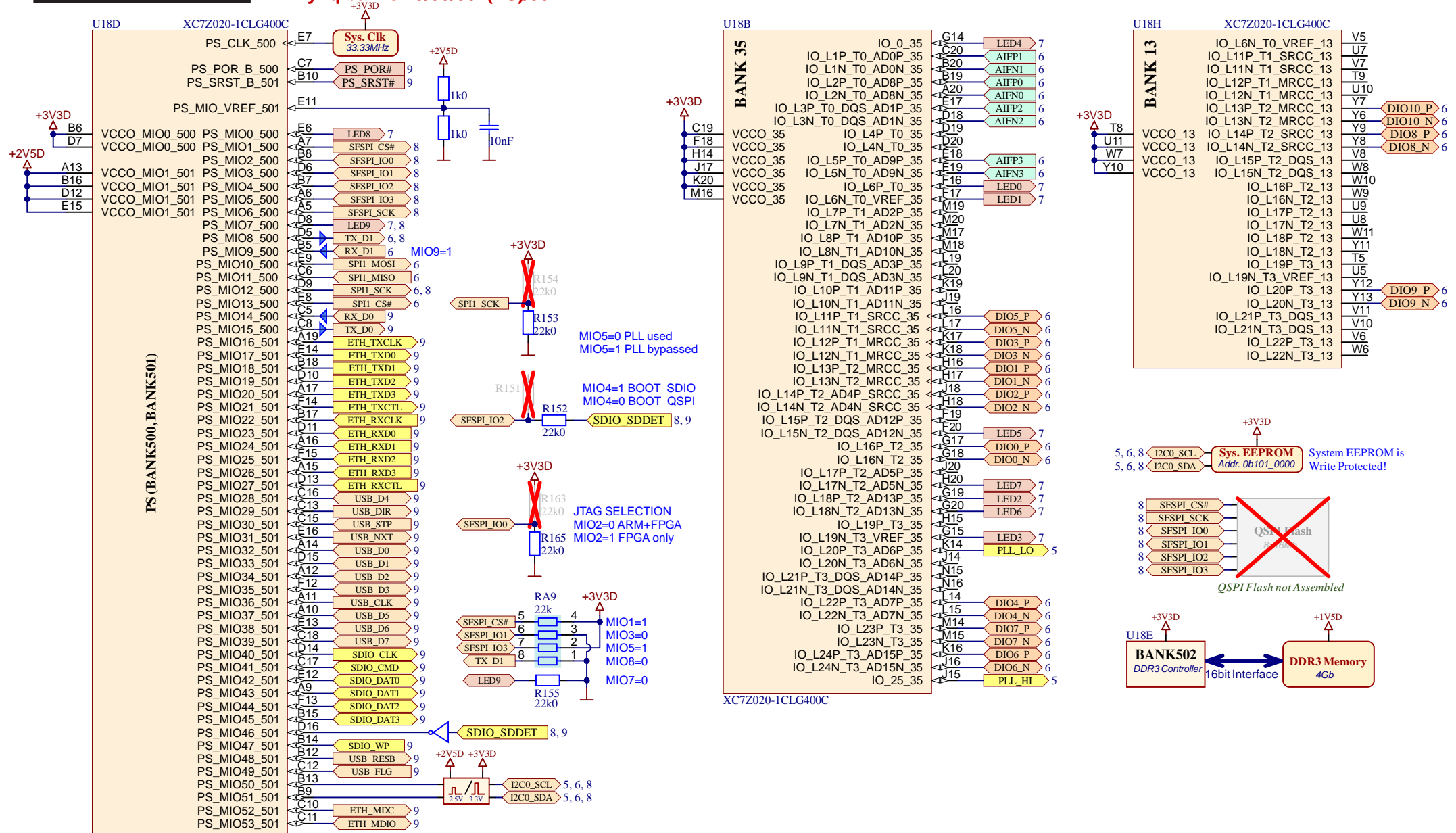
LEDs, JTAG, Daisy Interface



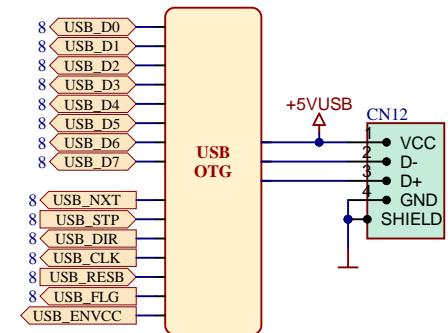
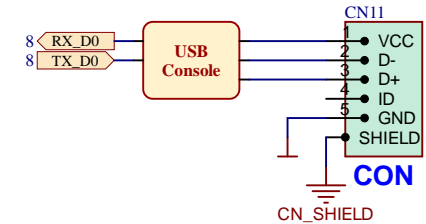
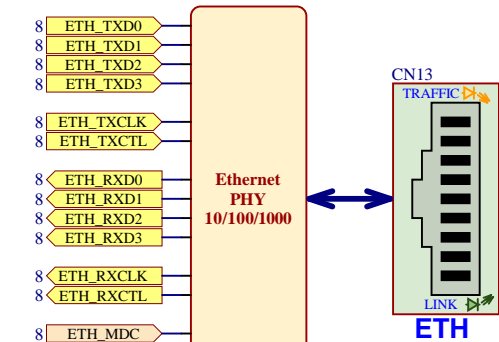
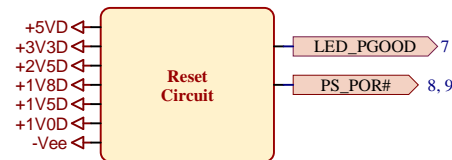
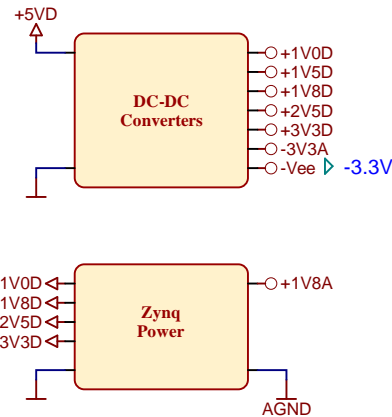
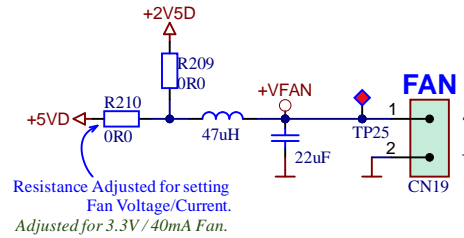
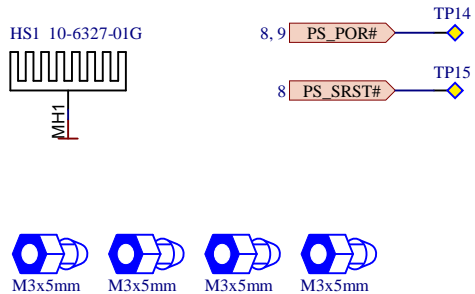
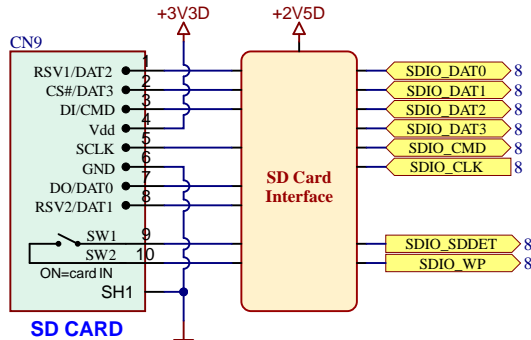
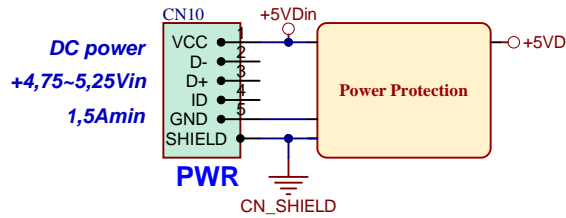


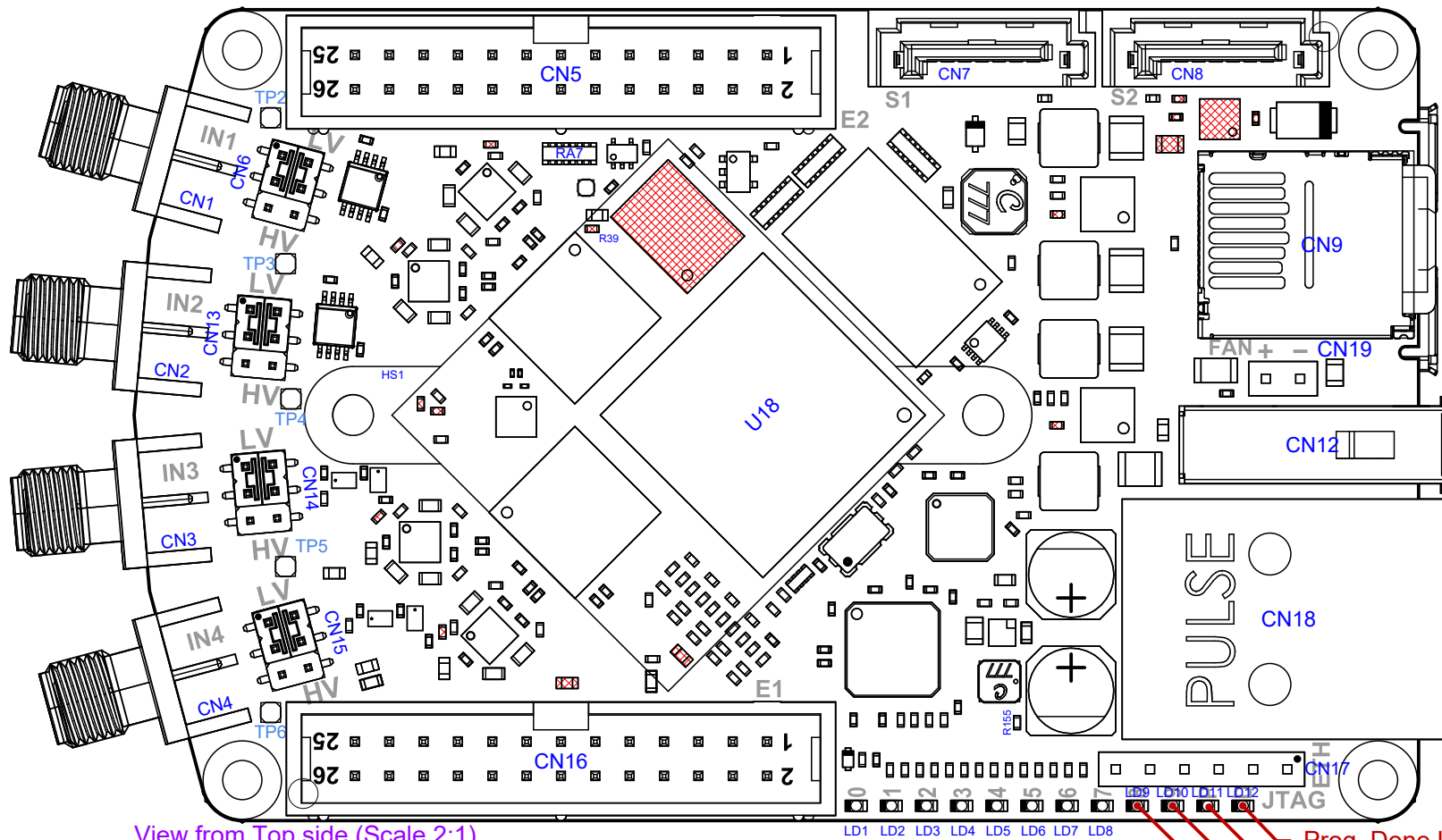
STEMlab 125-14_4IN V1r3 Assembly variant: STEMLab_125-14_4_IN

Zynq banks 13/35/501(PS)/502

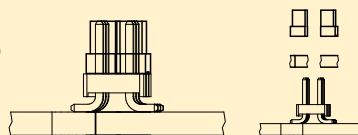


Power Supply , SD, ETH Interface



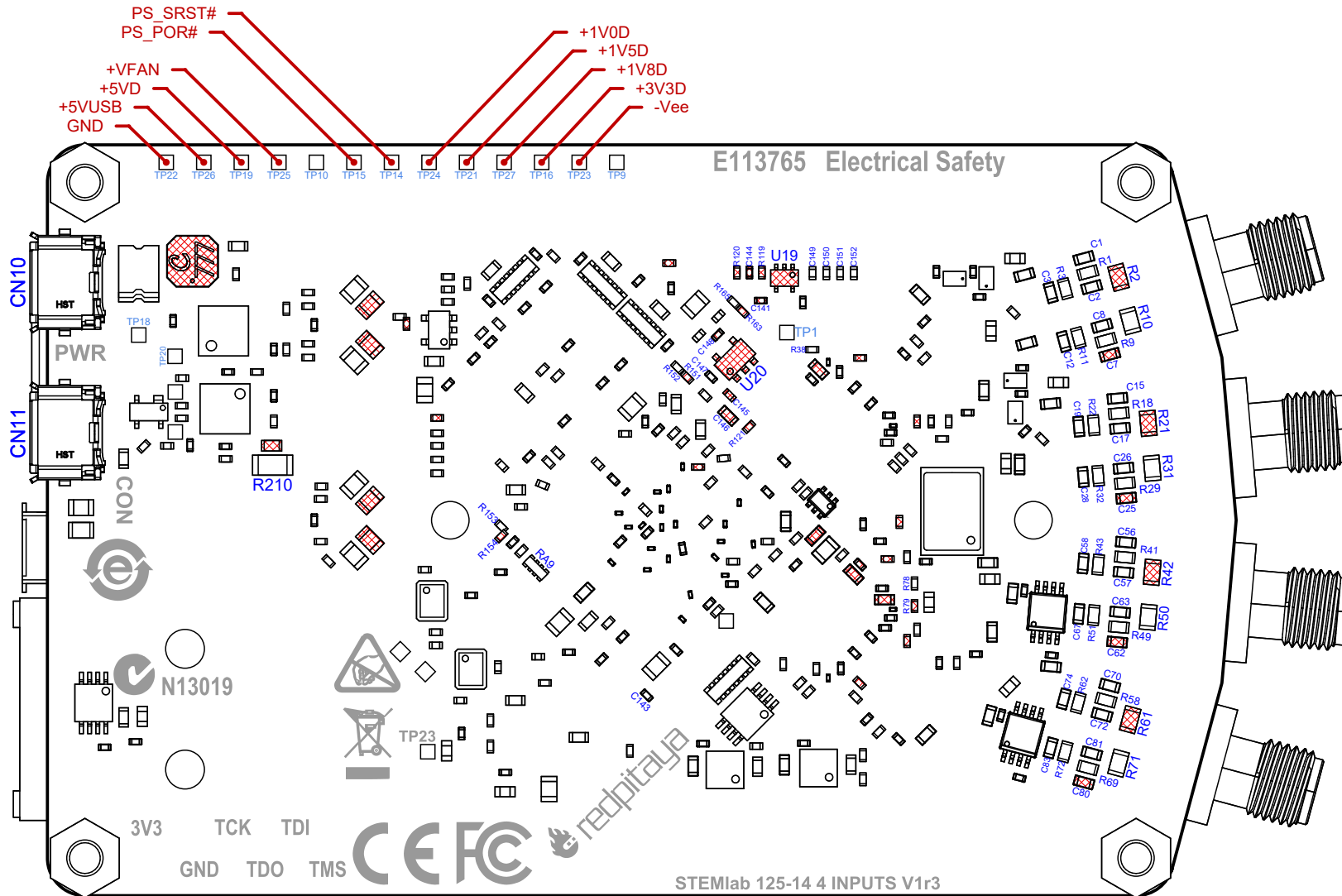


Follow the specified jumper orientation to improve step-response of input channel:



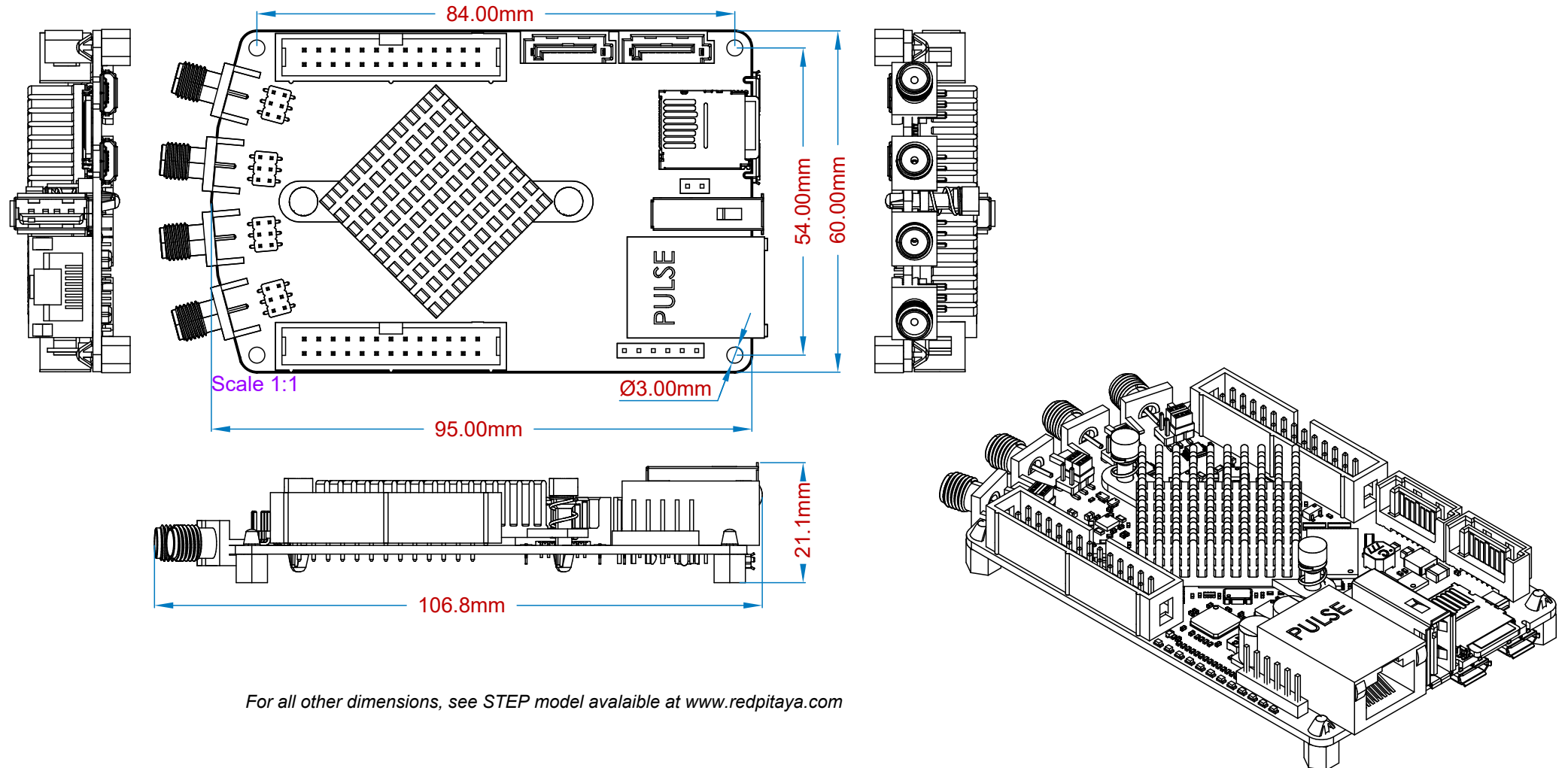
- Prog. Done LED
- Pwr. LED
- CPU Heartbeat LED
- SD CARD r/w LED

Assembly And Mechanical Drawings



View from Bottom side (Scale 2:1)

Assembly And Mechanical Drawings



For all other dimensions, see STEP model available at www.redpitaya.com