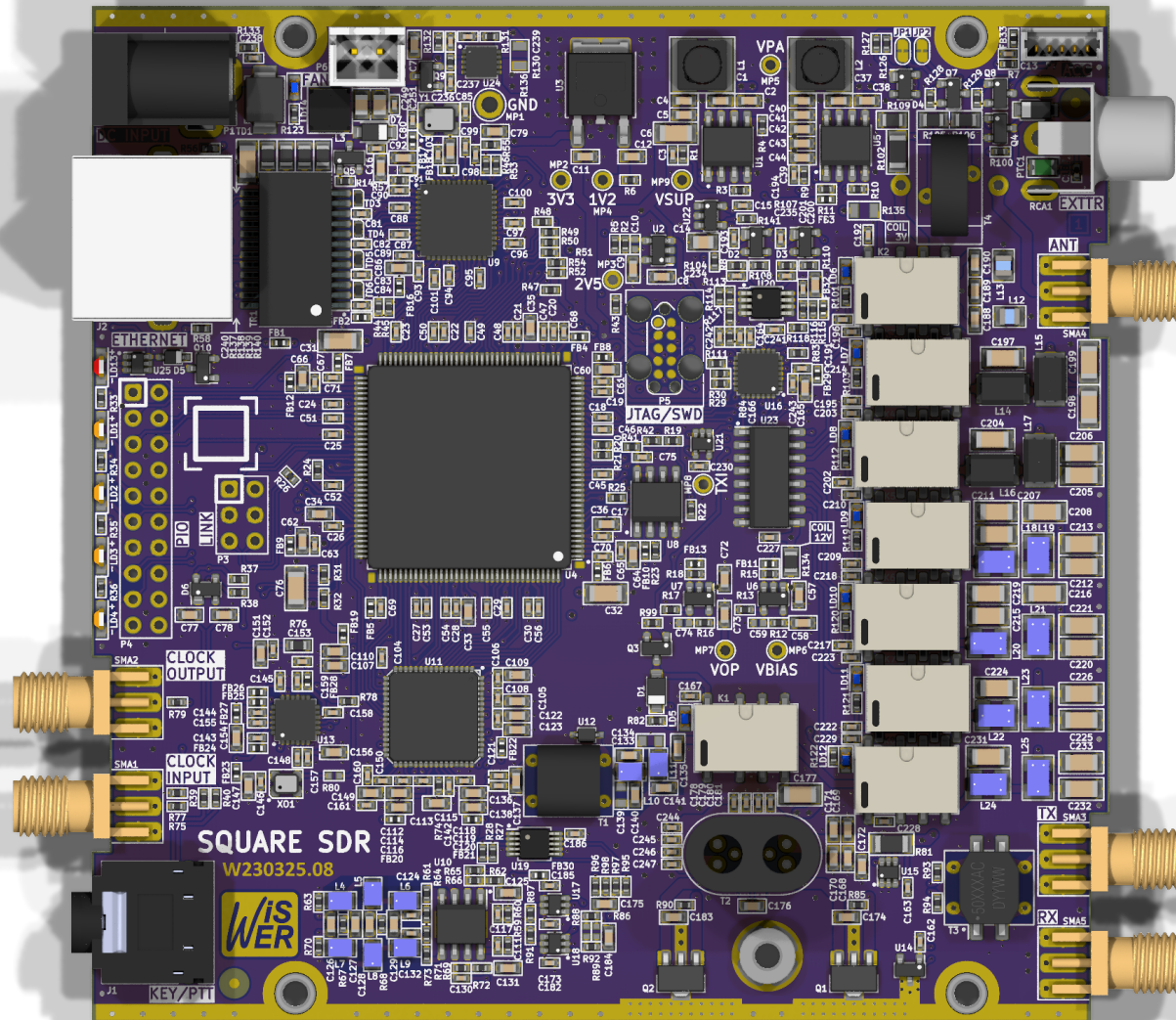


SQUARE SDR

Basic features:

- PCB 4-layer 100x100mm (SQUARE)
- One-sided PCB assembly
- 160-10 m Amateur bands
- 5W linear RF output
- 12-bit ADC/DAC
- 1 Gig Ethernet
- External Clock I/O
- SWR meter
- LED relay indication
- RX input (Pure Signal)
- ACC header for DB9
- Separate fan control
- Reverse polarity protection
- Power fault indication
- Band voltage output

Created in KiCad 9
Inspired by the HL2 project



Power

File: Sheet_Power.kicad_sch

Control

File: Sheet_Control.kicad_sch

Ethernet

File: Sheet_Ethernet.kicad_sch

RF_Frontend

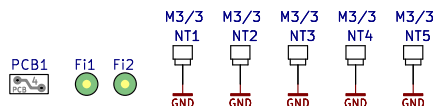
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Linear_PA

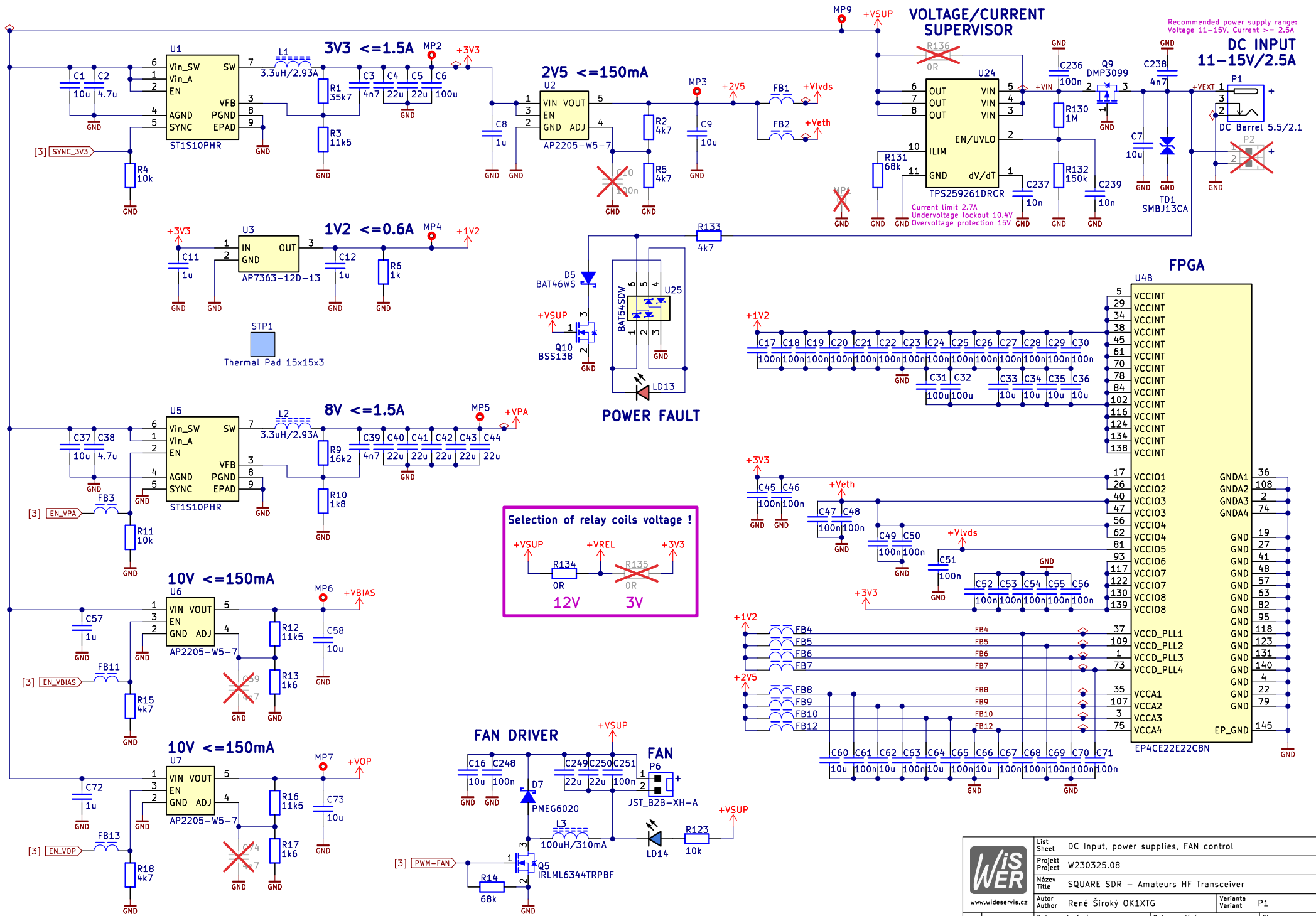
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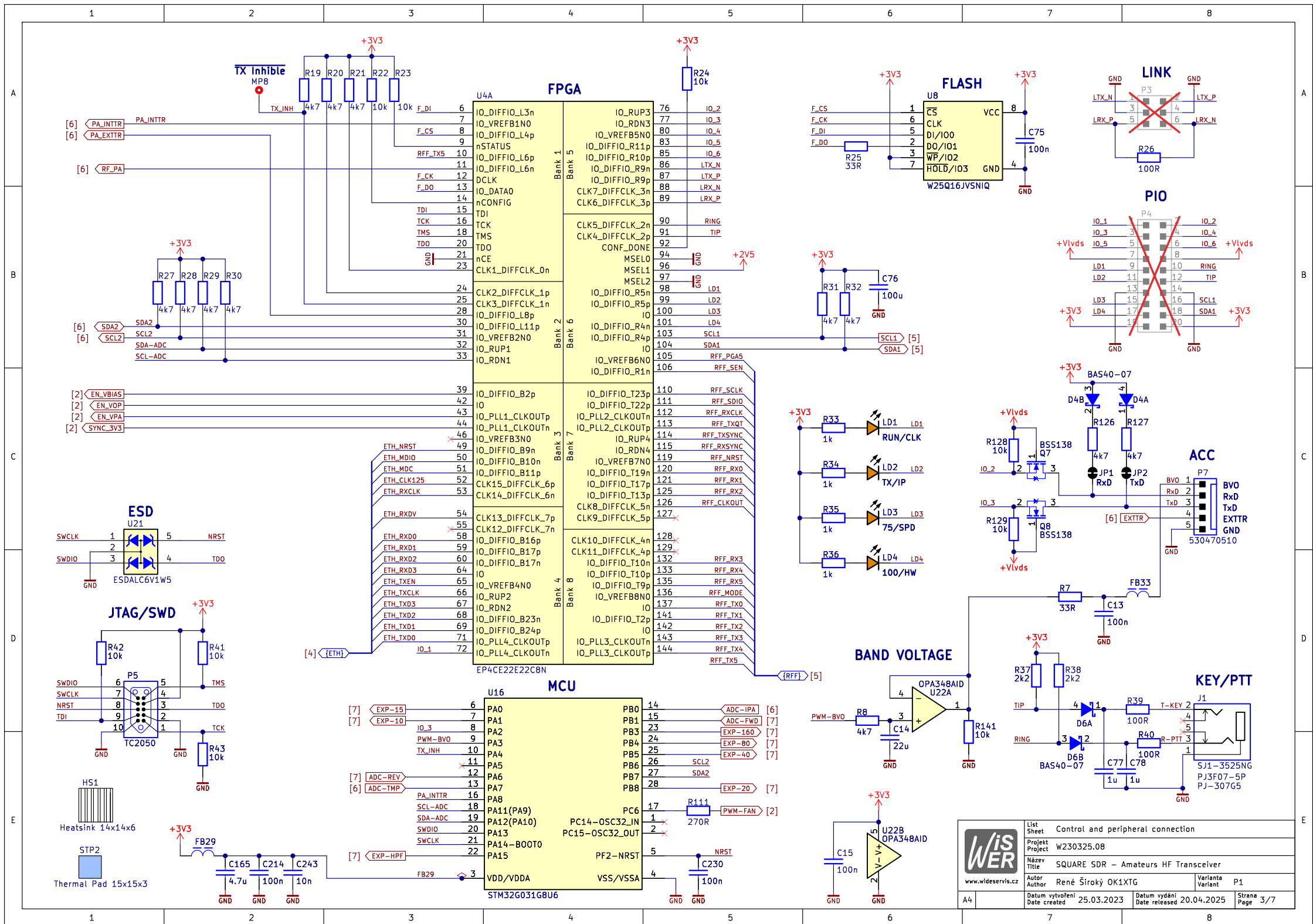
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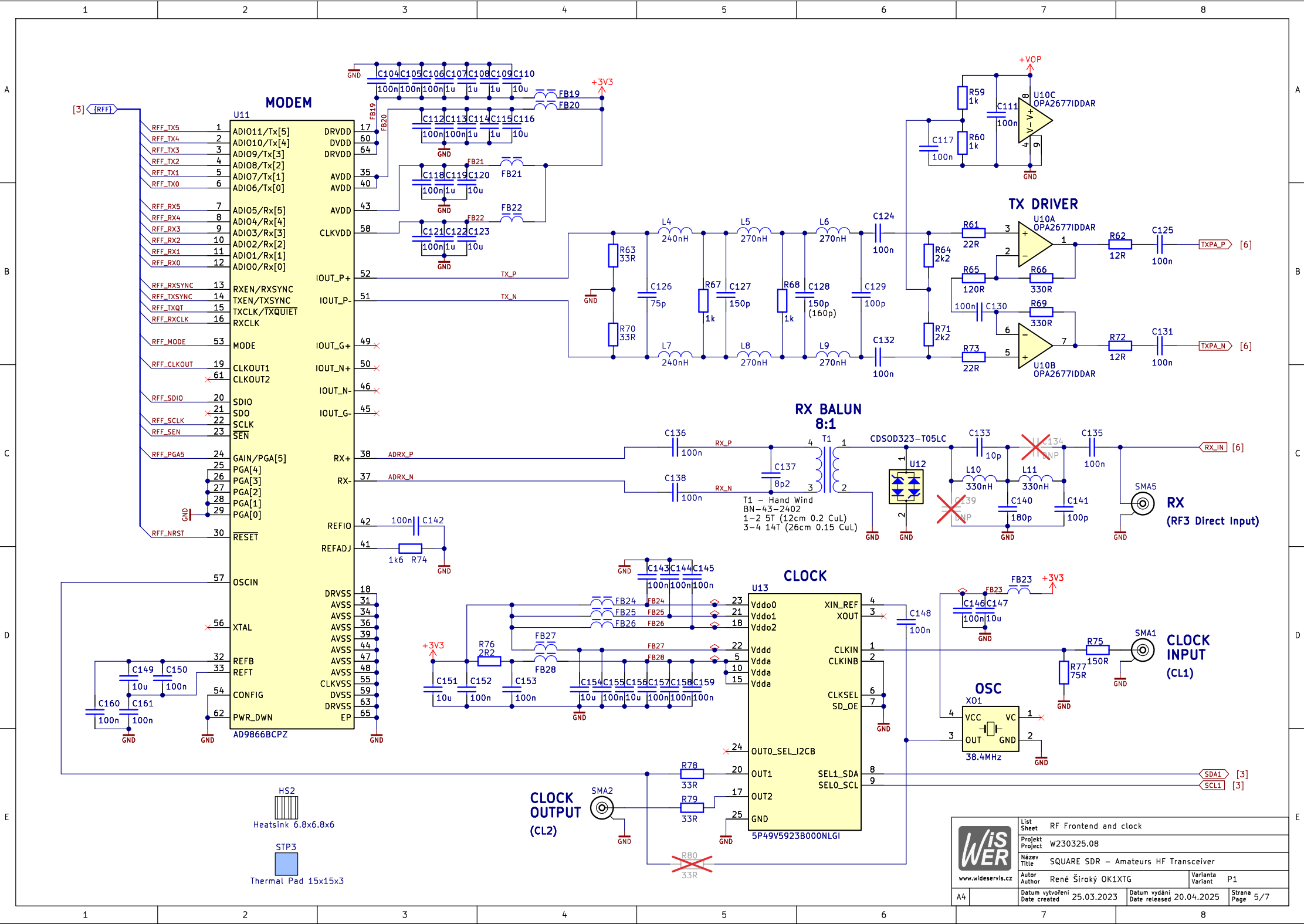
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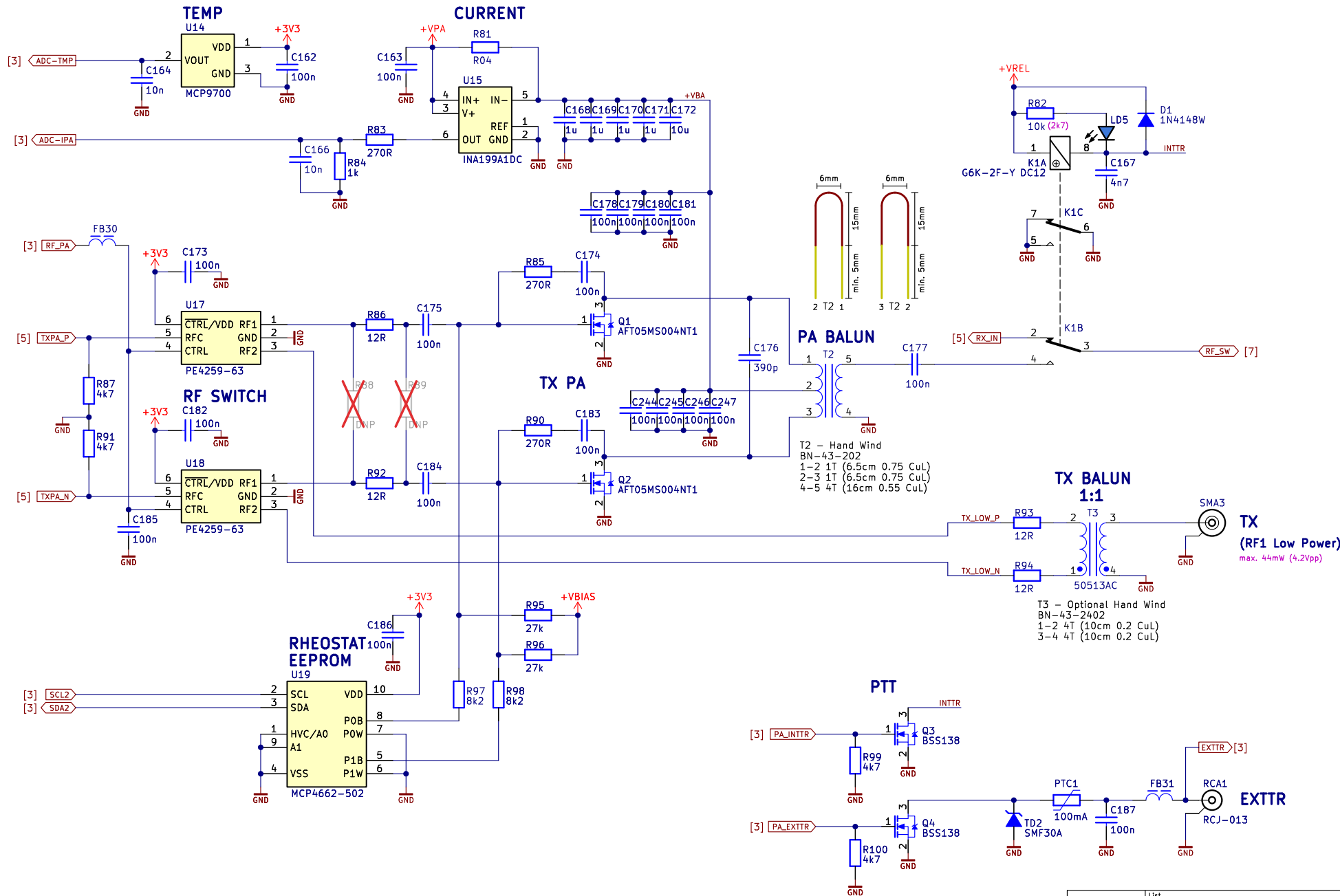
A4	List Sheet Root main page	
	Projekt Project W230325.08	
A4	Název Title SQUARE SDR – Amateurs HF Transceiver	
	Autor Author René Široký OK1XTG	
A4	Datum vytvoření Date created 25.03.2023	
	Datum vydání Date released 20.04.2025	
A4	Varianta Variant P1	
	Strana Page 1/7	







 www.wideservis.cz	List Sheet	RF Frontend and clock		
	Projekt	W230325.08		
	Název	SQUARE SDR – Amateurs HF Transceiver		
	Autor	René Široký OK1XTG		
	Variant	P1		
A4	Datum vytvoření	25.03.2023	Datum vydání	20.04.2025
	Date created		Date released	
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		Page		



	List Sheet	RF output switch and linear PA 5W		
	Projekt	W230325.08		
www.wideservis.cz	Název	SQUARE SDR - Amateurs HF Transceiver		
	Autor	René Široký OK1XTG	Varianta	P1
A4	Datum vytvoření	25.03.2023	Datum vydání	20.04.2025
	Date created		Date released	6/7

