

DA1453x Pro Development Kit

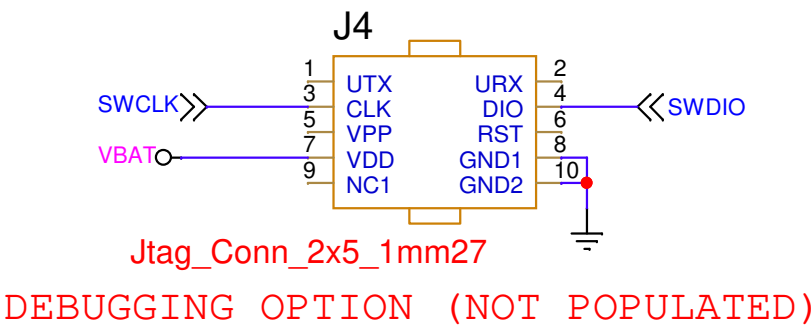
Design Name	da14535-db-qfn24(610-02)
Ref. Number	610-02-A
Version	A4
Date	Feb 22, 2024
Designer	Panos Rafftopoulos

History Table

Version	Date	Comments
	22 / 12 / 2022	Design based on d2632-db-qfn24_vF3 (376-04-F) Removed obsolete design blocks: - Power mode selection switch (SW1) 1.1V LDO (U2) Added options for on-board SPI Flash (U3/U3x) Released for internal review
A	31 / 01 / 2023	Schematic/PCB modifications after review meeting: - added fiducials F1-F4 - changed R1,R2,R4,R5 fom NP to 36 ohm - removed JS2 (jumper shunt VL+/VL-) PCB-only modifications after review meeting: - moved R34,R35 to the right - fixed copper pour voids/islands - Added Title Block in FAB drawing Released for manufacturing
A2	22 / 06 / 2023	Set SPI Flash (U3) and related parts (C8/R37) as not populated Released for manufacturing
A3	11 / 10 / 2023	Changed U1 part number to DA14535-00000FX2 Added jumper at J2 pins 4-5
A4	22 / 02 / 2024	Changed U3 part number to AT25DF021A-MAHN-T (remains unpopulated)

Configuration note

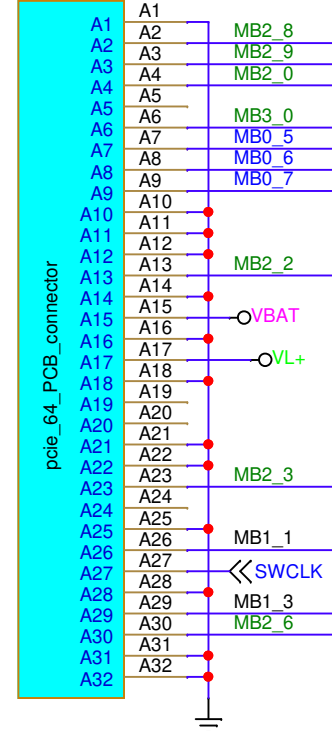
NOTE box



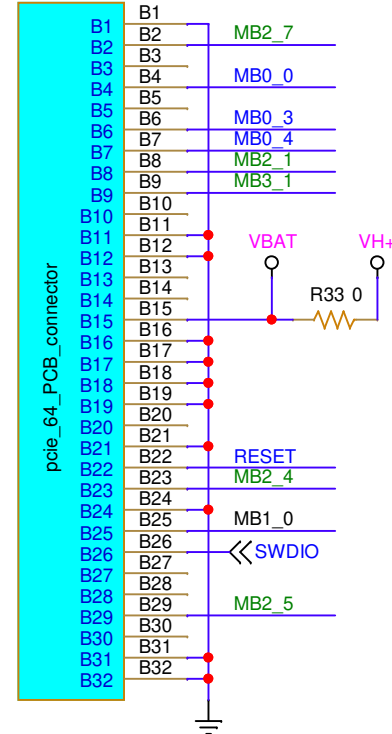
RENESAS

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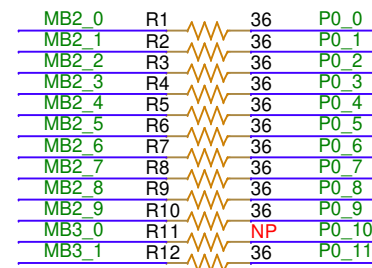
J1A



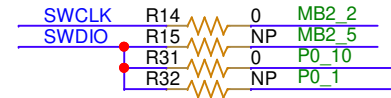
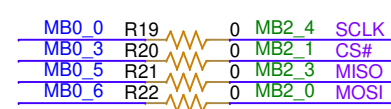
J1B



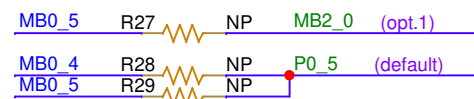
Card Edge
Connector (PCI-E)

BREAKOUT
HEADERS

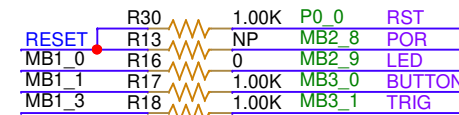
JTAG

SPI
FLASH

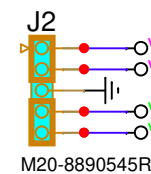
4-PIN UART



1-WIRE UART(2)



MISC. PERIPHERALS

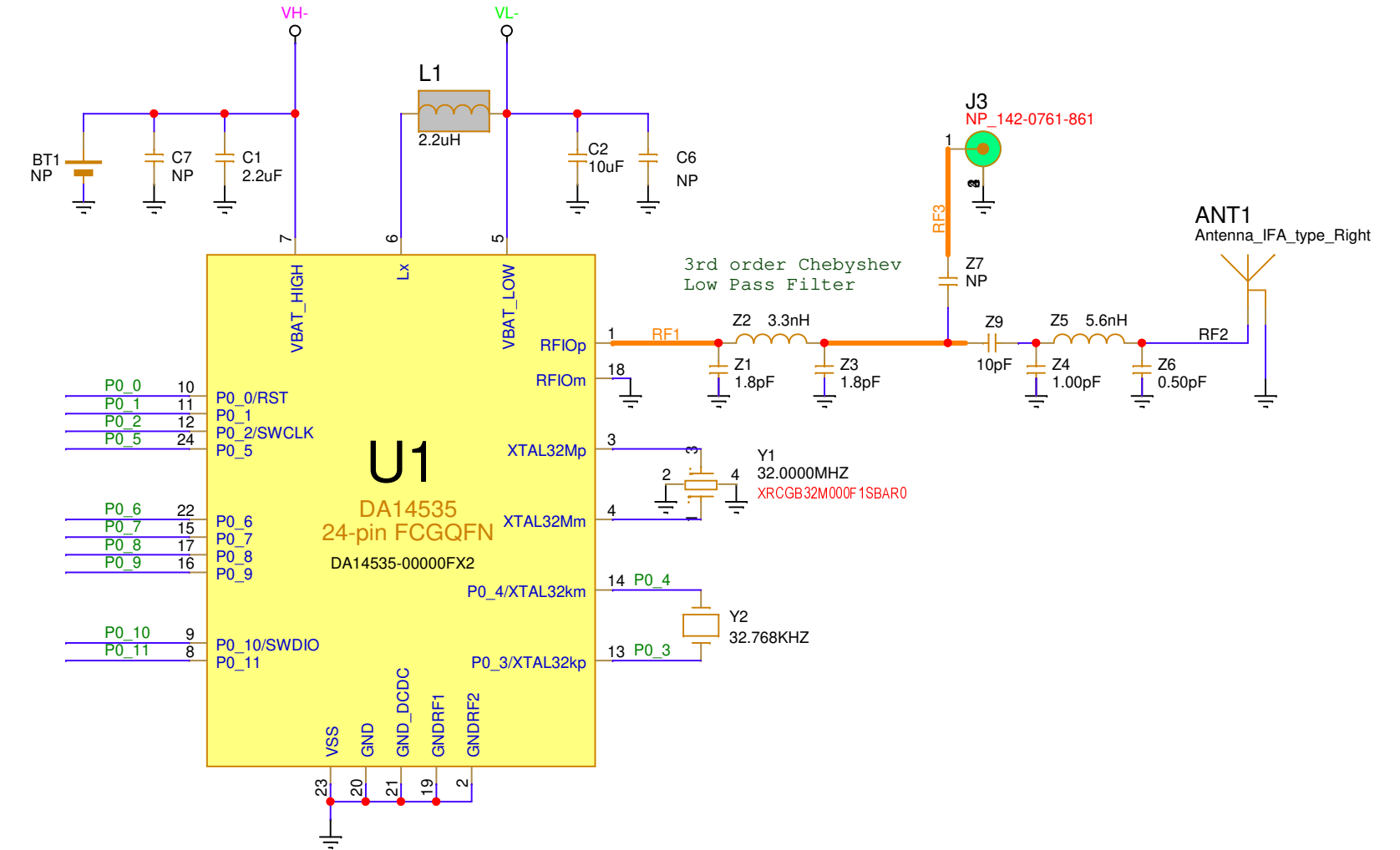
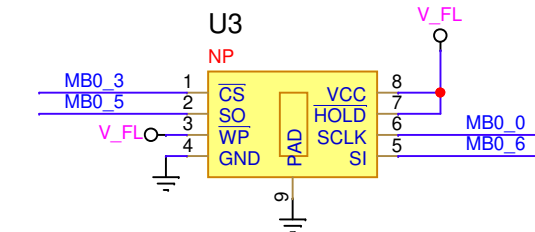
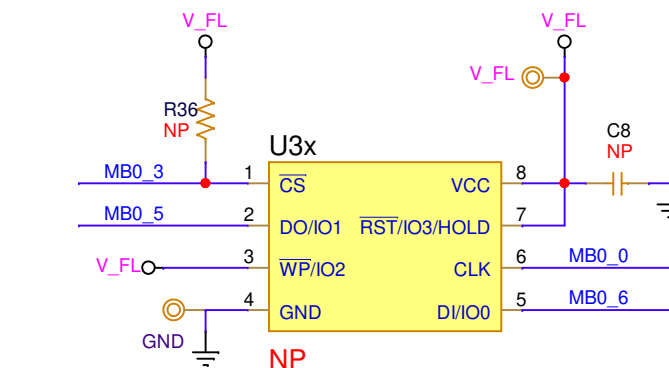


M20-8890545R

CURRENT MEASUREMENT



SPI FLASH



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Title : DA1453x Development Kit Daughterboard Renesas Electronics

Doc. Nr. 610-02-A Designer: Panos Raftopoulos Rev:A4

Date: Thursday, February 22, 2024

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