

HiFive Unmatched Schematics

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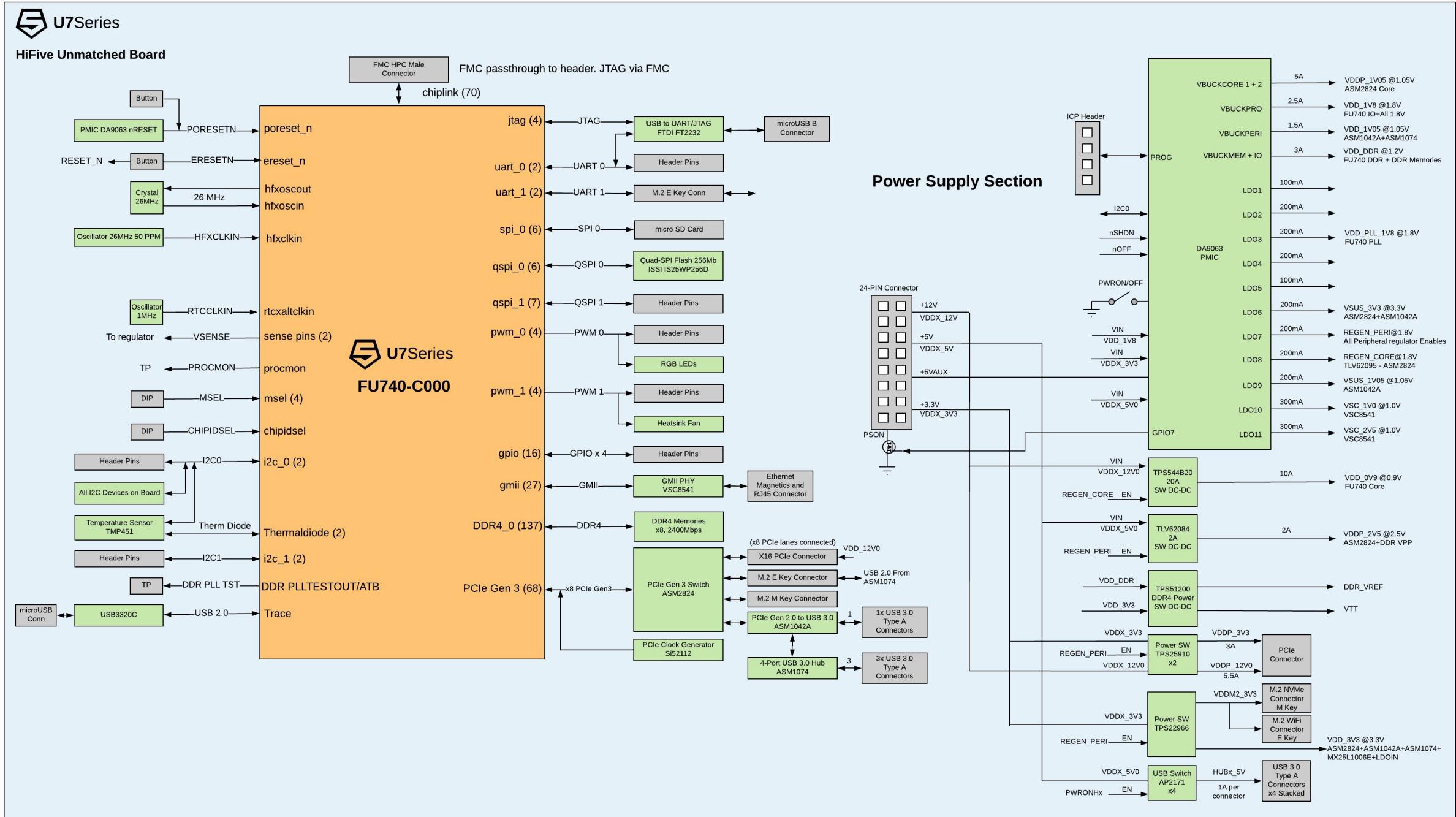
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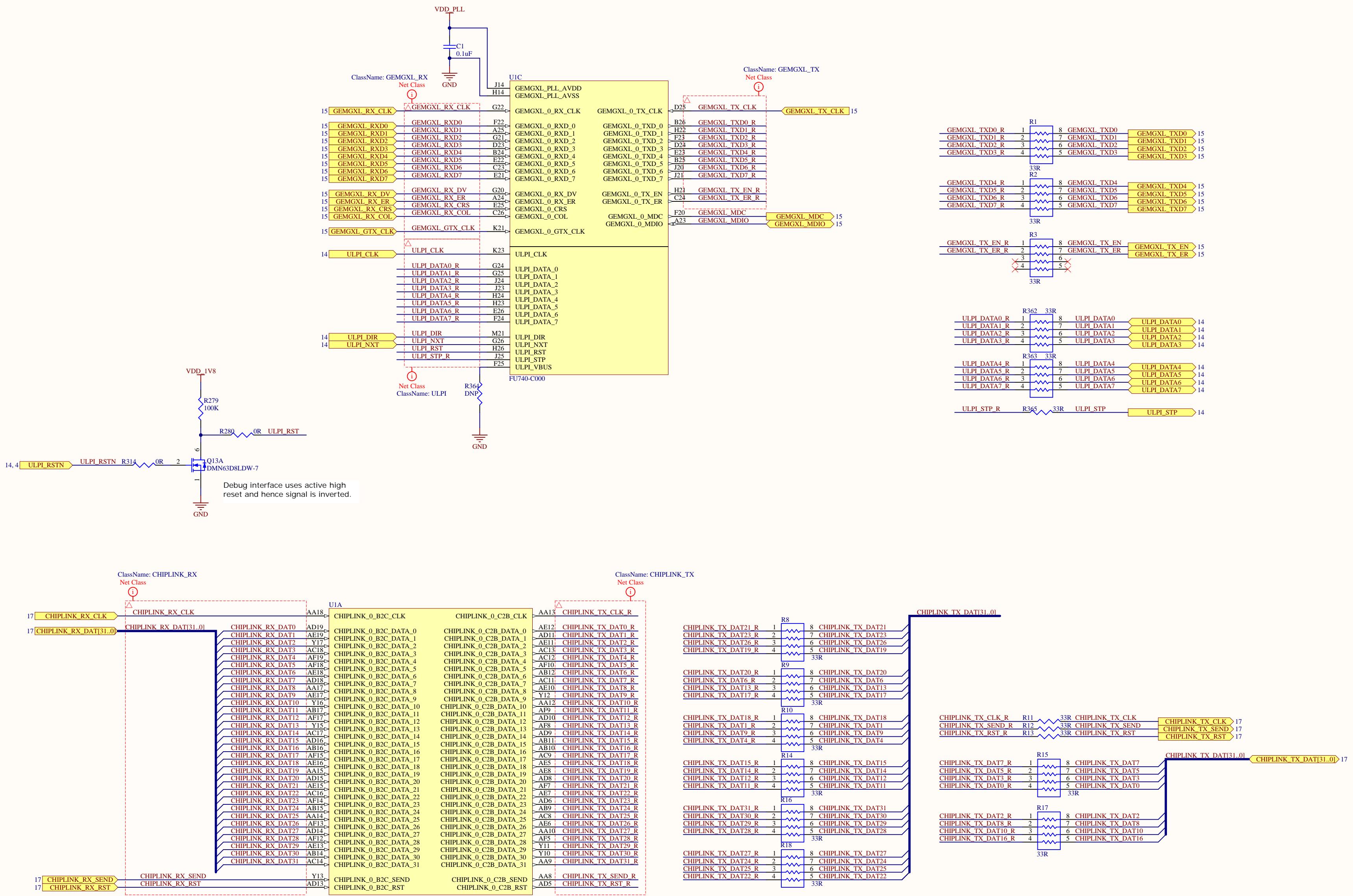
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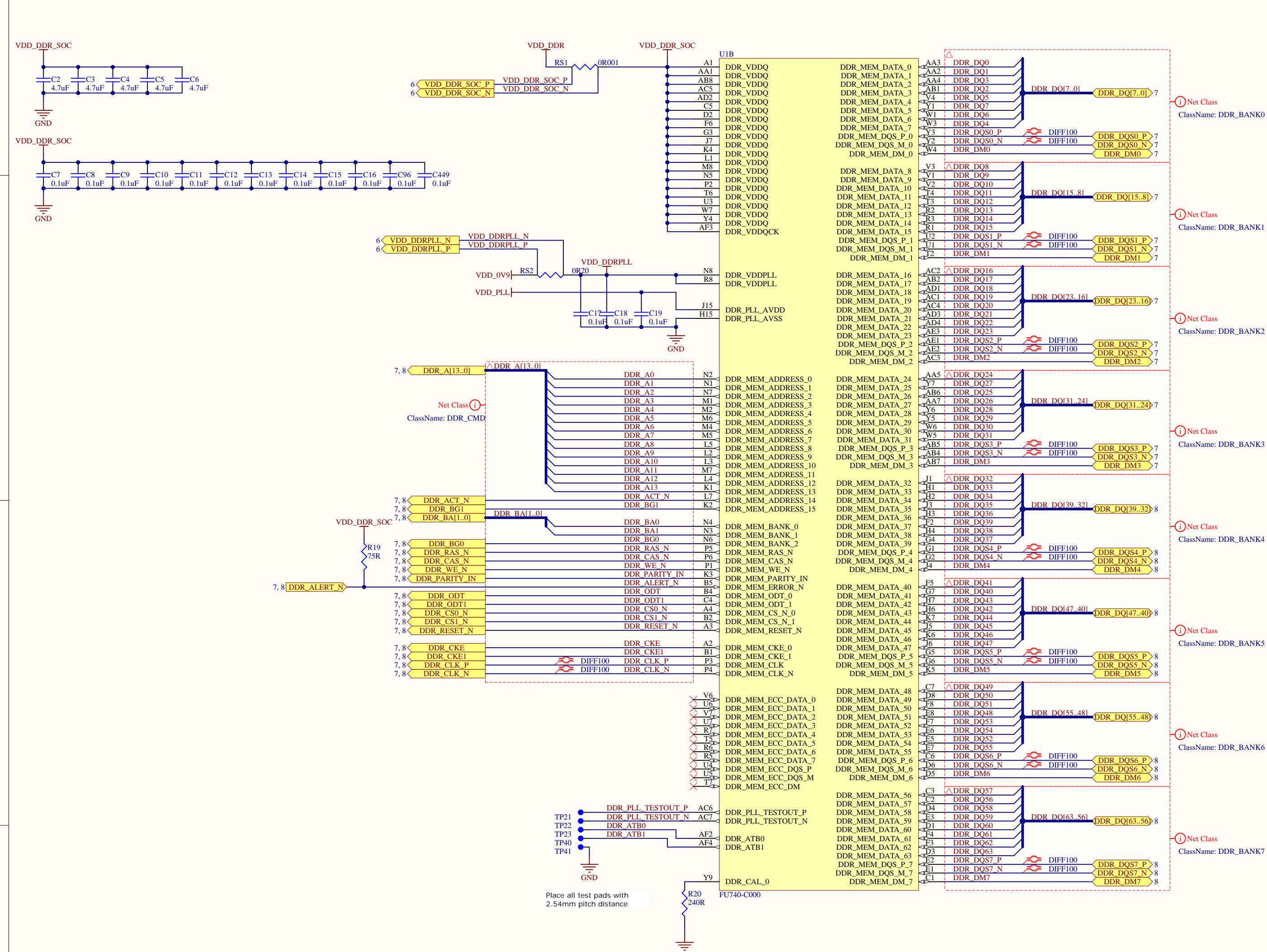
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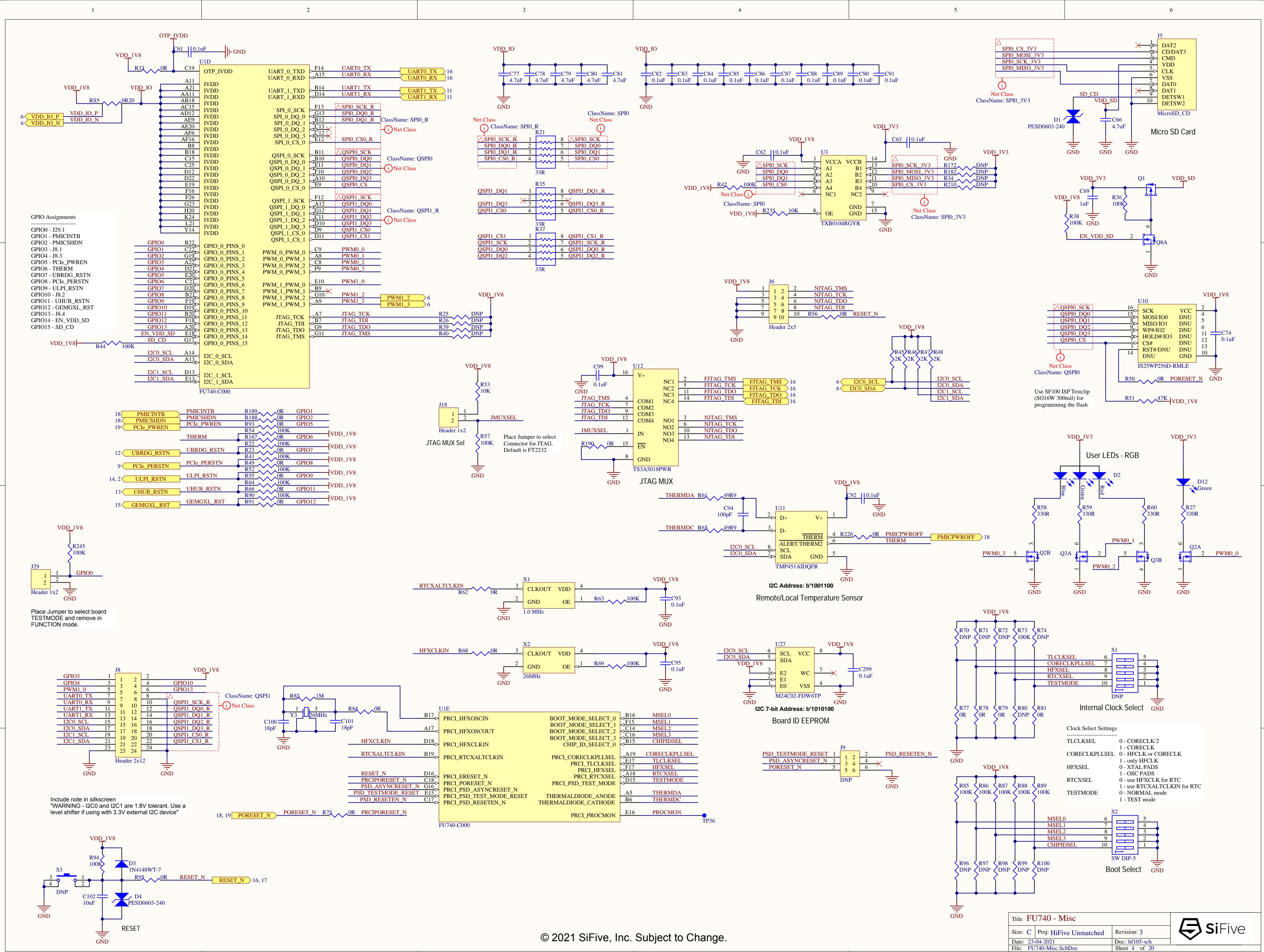
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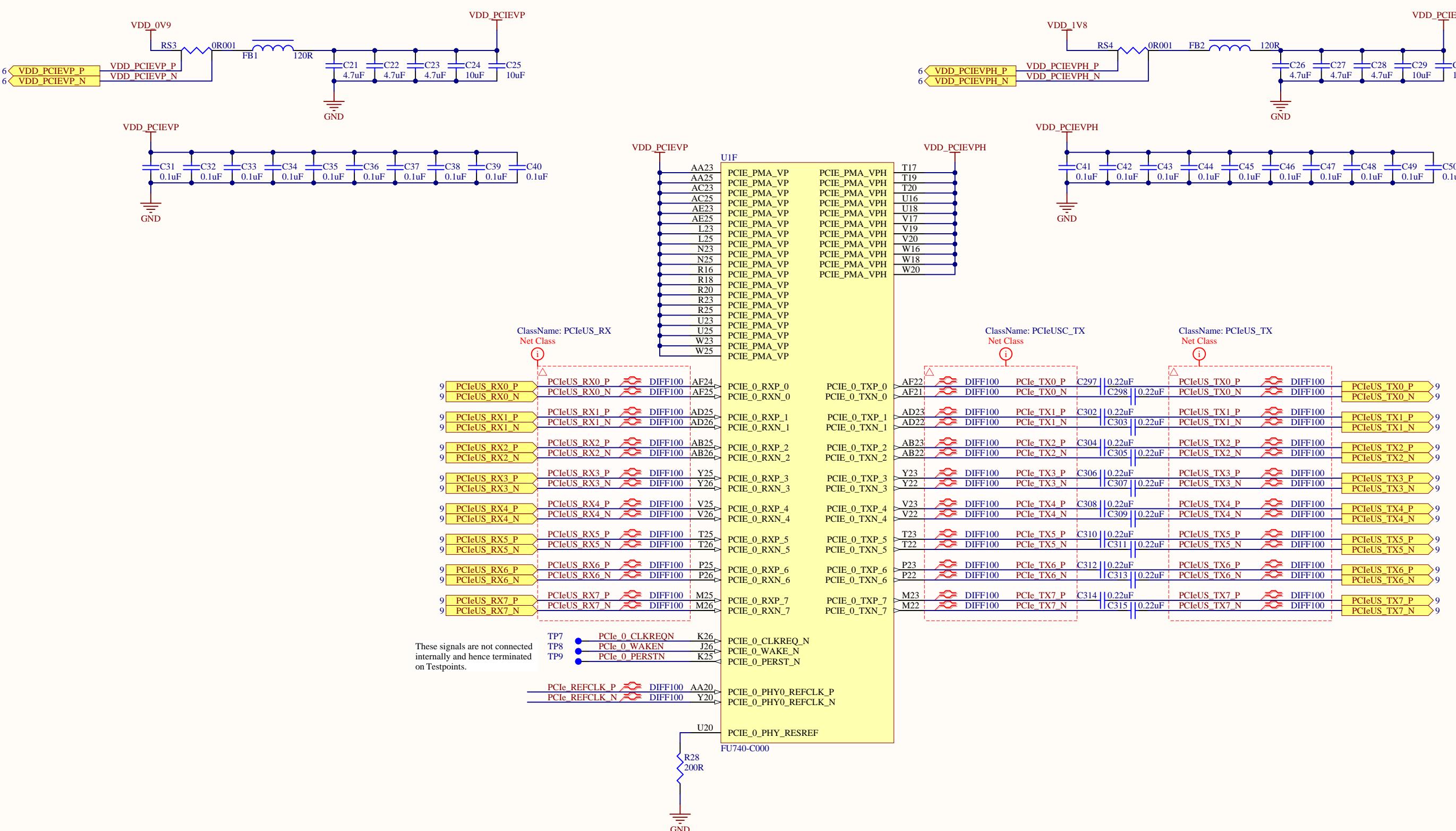


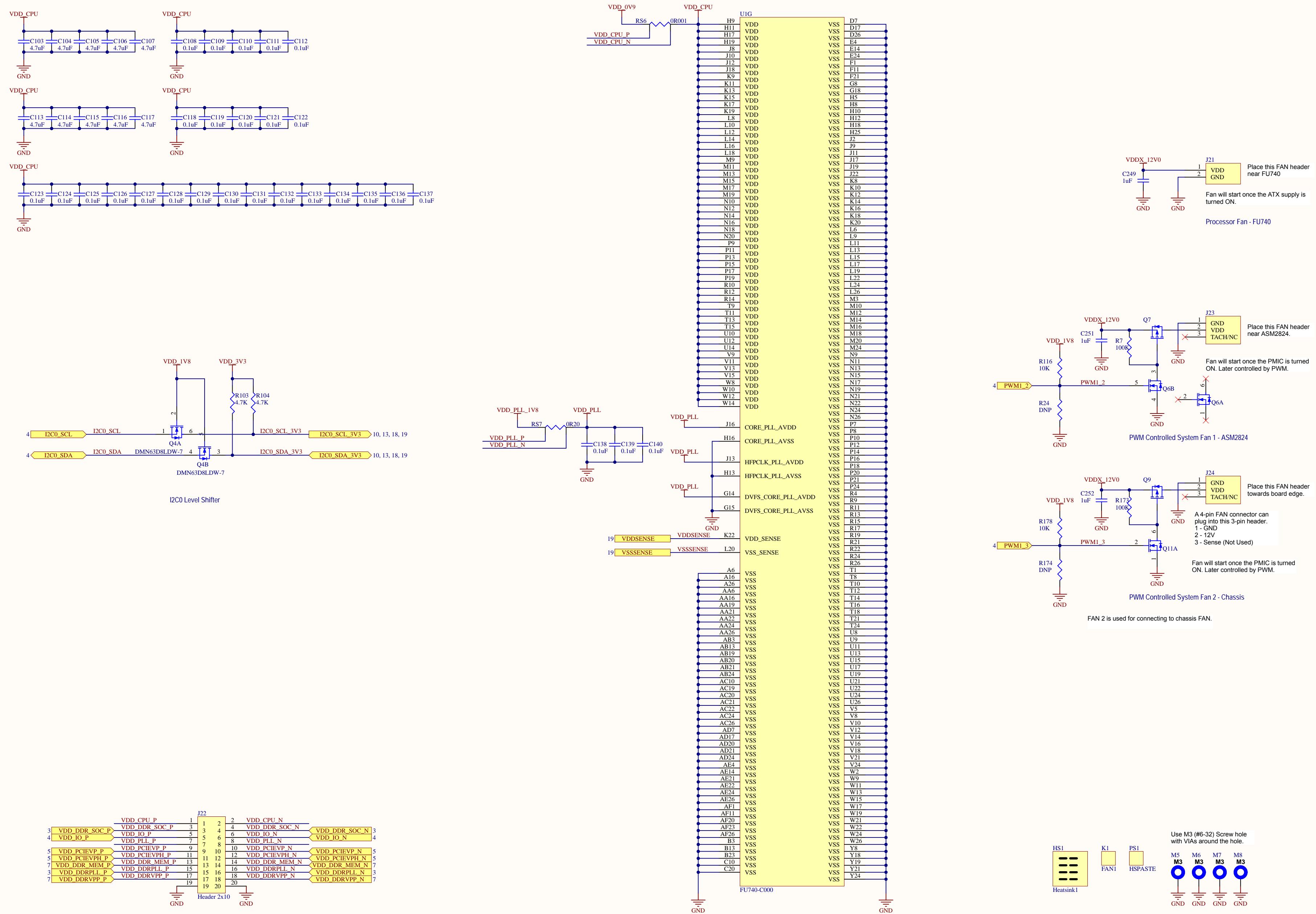
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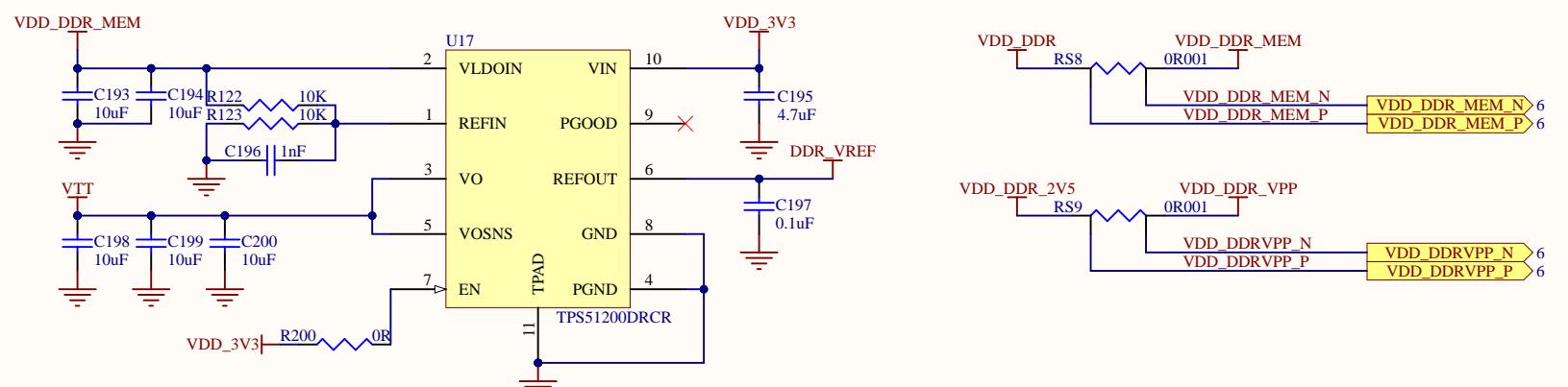
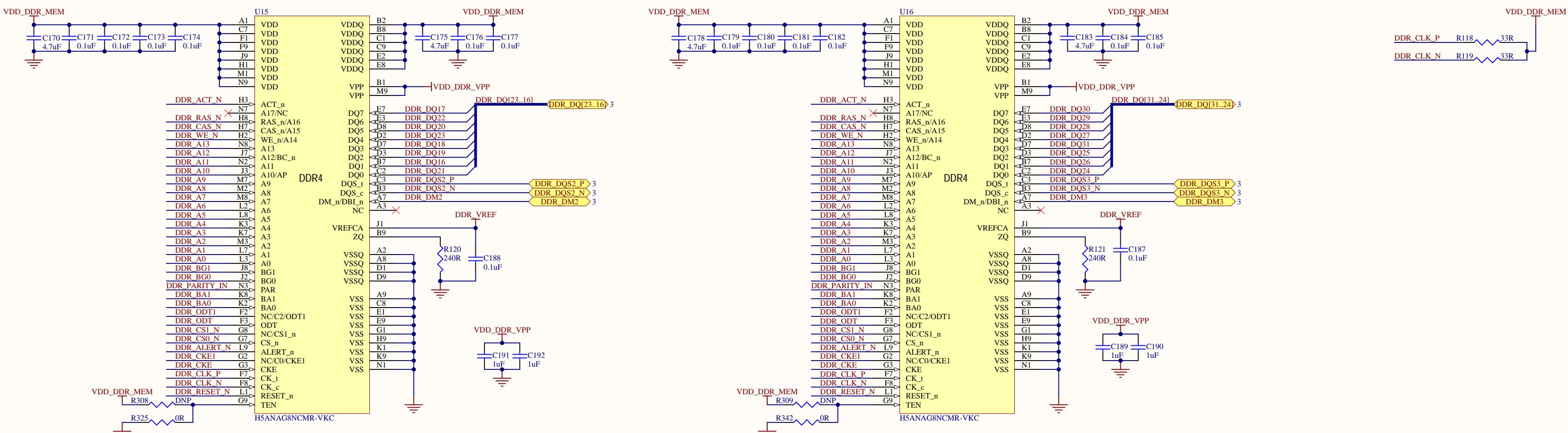
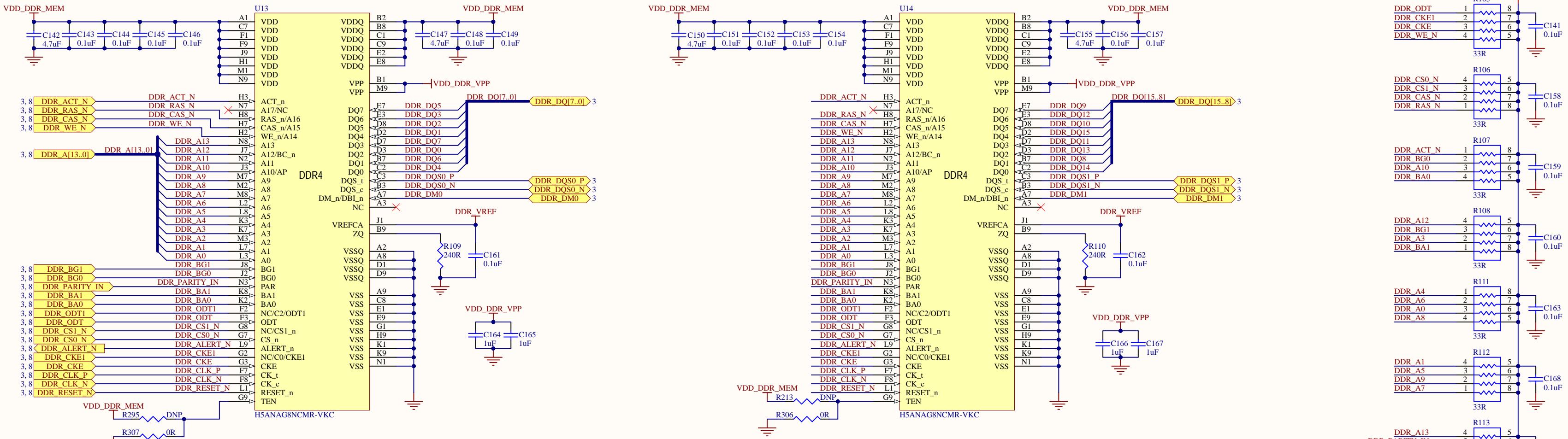


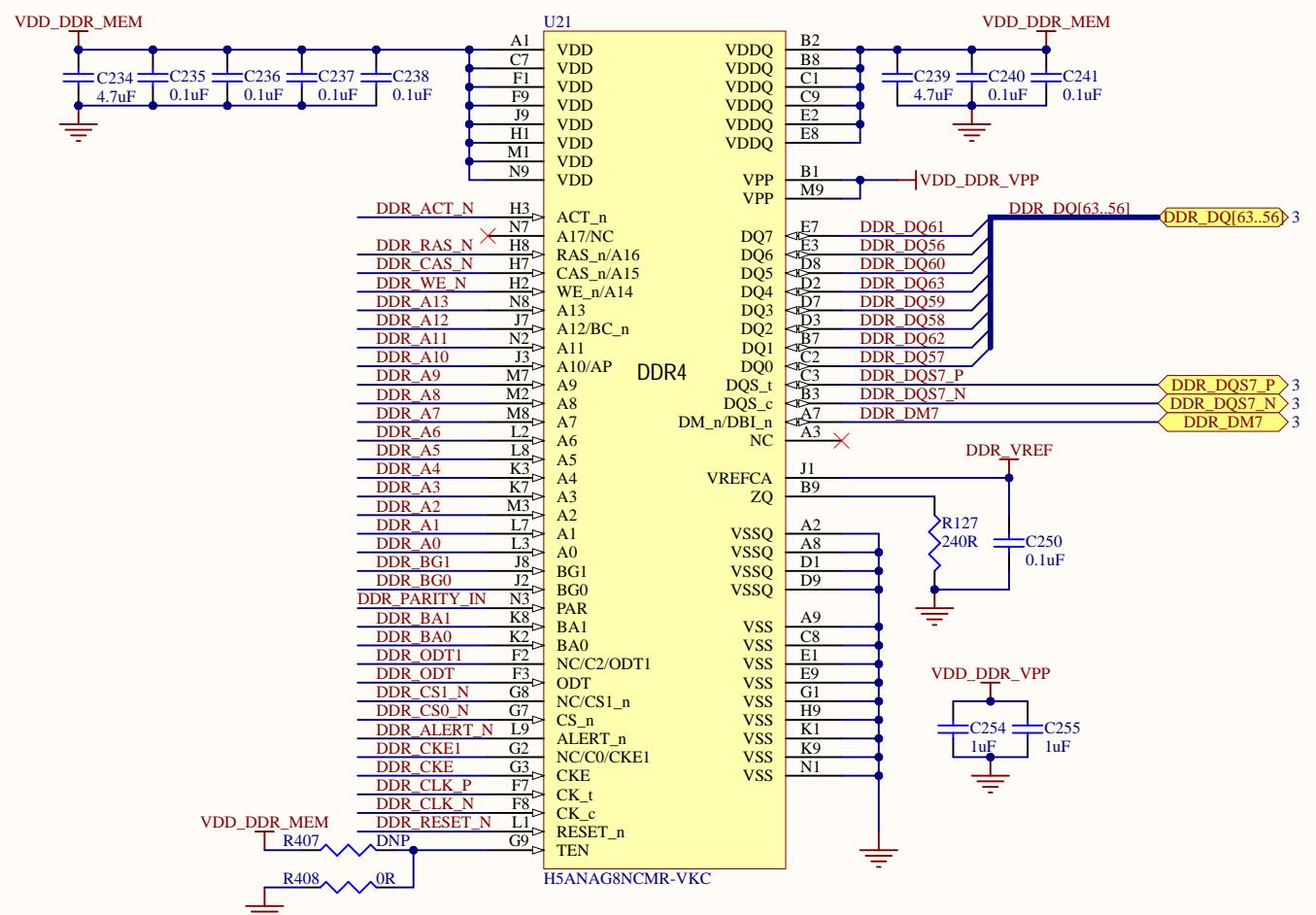
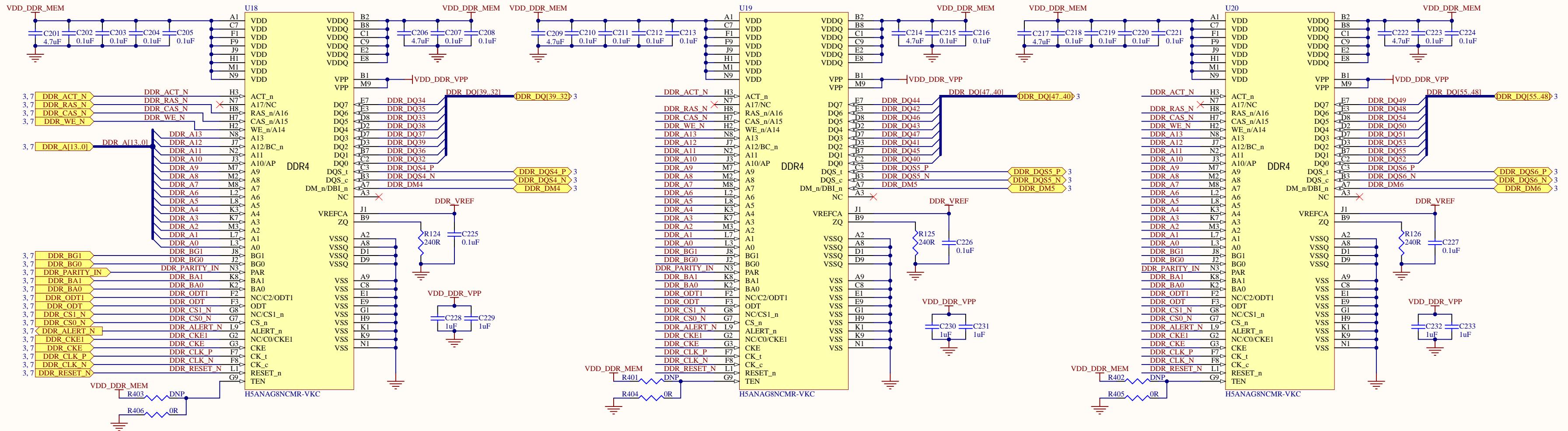


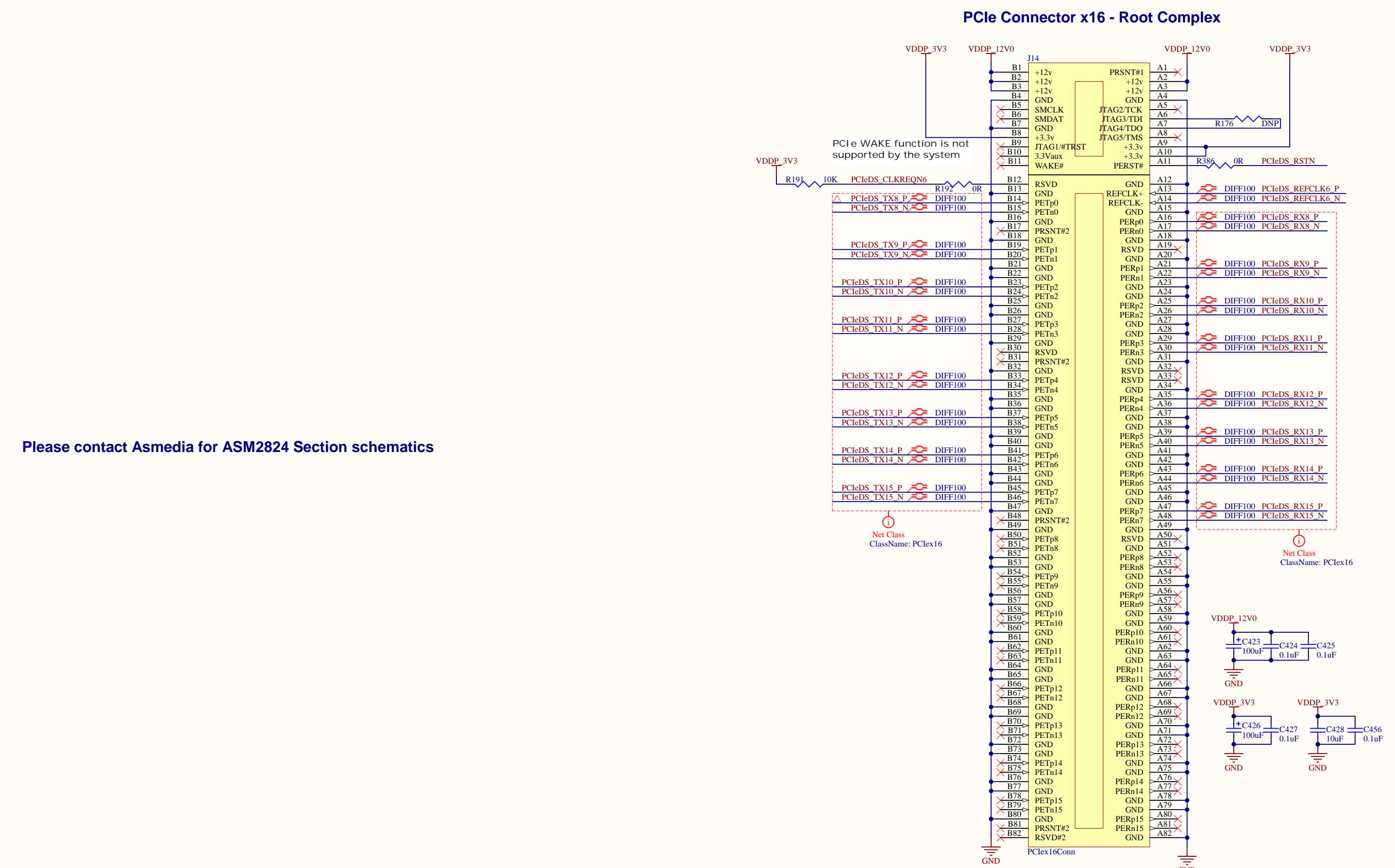












A

A

B

B

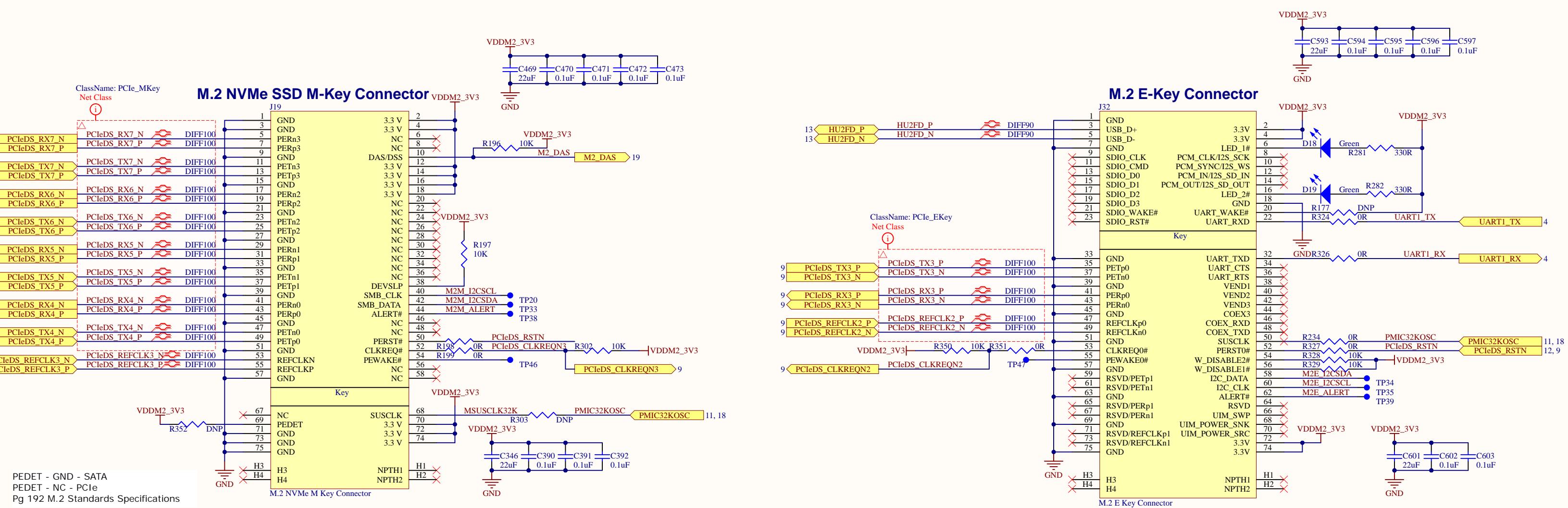
C

C

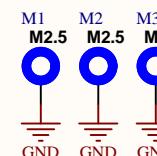
D

D

Please contact Asmedia for ASM2824 Section schematics



M.2 Card Mounting Holes for Standoff

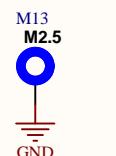


Use M2.5 Thread for mounting screw attachment
The Hole dia 4.22mm and pad dia is 6.2mm. Card length supported Type - 2230, 2260, 2280

MK1
M.2-SMD-spacer

Mount this on mounting hole M2
Screw M2.5x4 is used to hold the M.2 card.

M.2 Card Mounting Hole for Standoff



Use M2.5 Thread for mounting screw attachment
The Hole dia 4.22mm and pad dia is 6.2mm. Card length supported Type - 2230

MK2
M.2-SMD-spacer

Mount this on mounting hole M13
Screw M2.5x4 is used to hold the M.2 card.

A

A

B

B

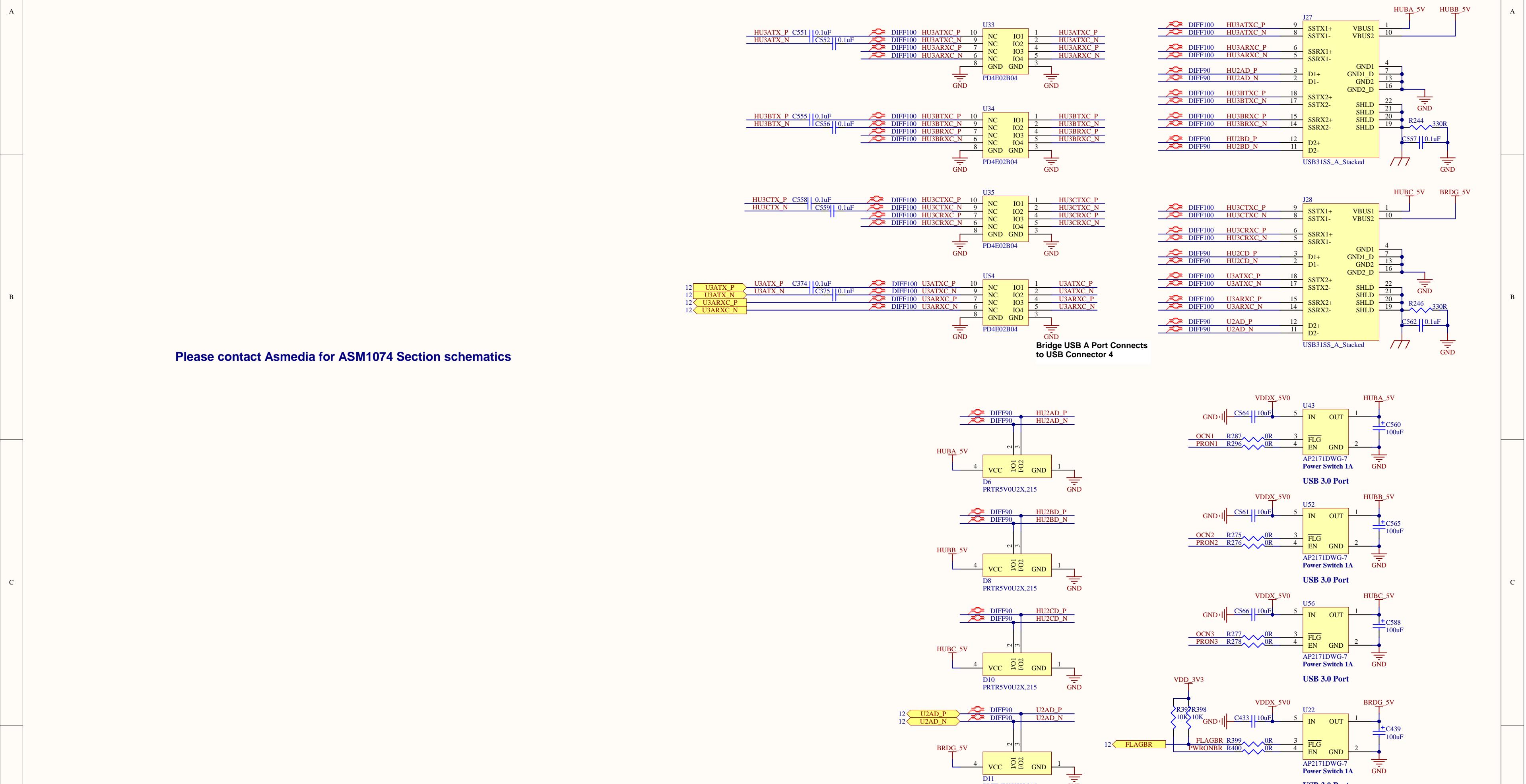
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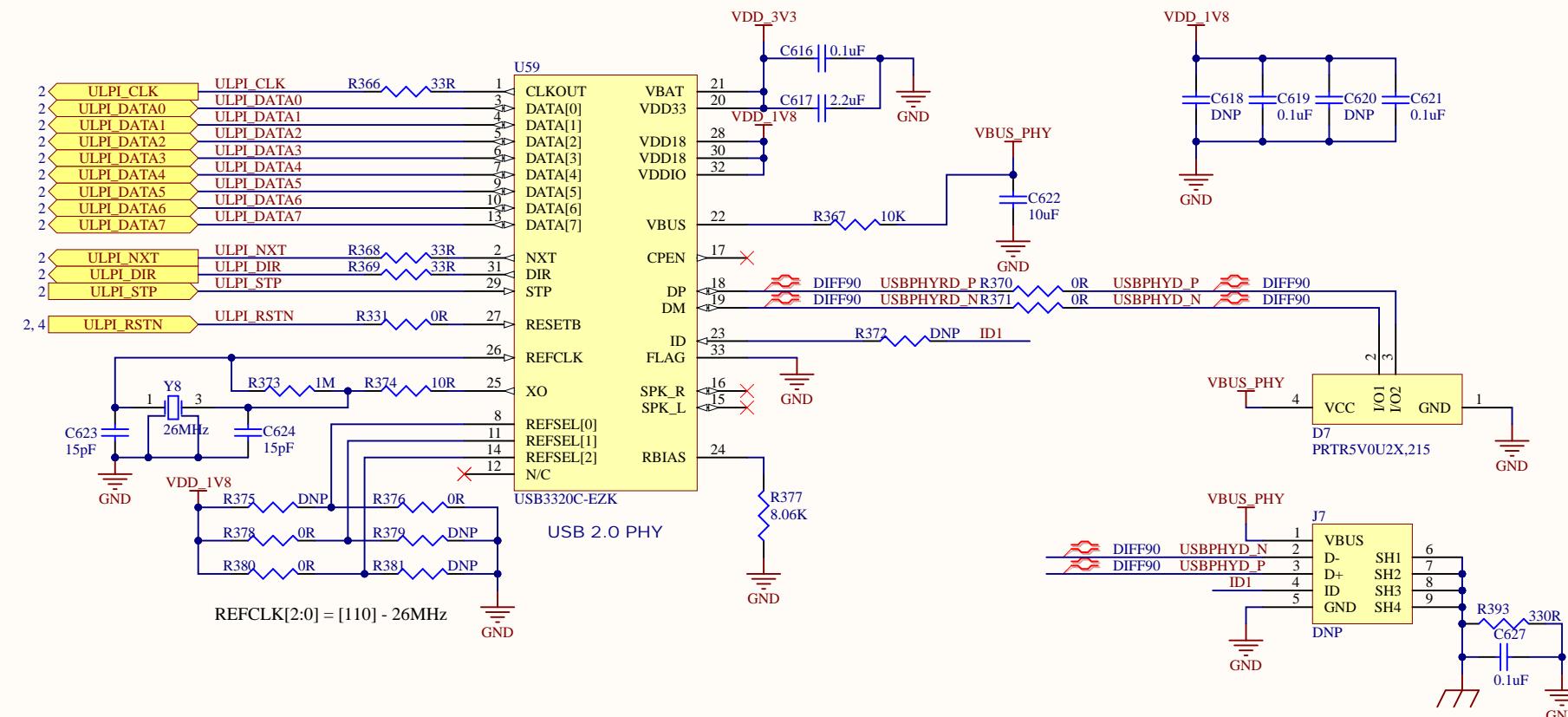
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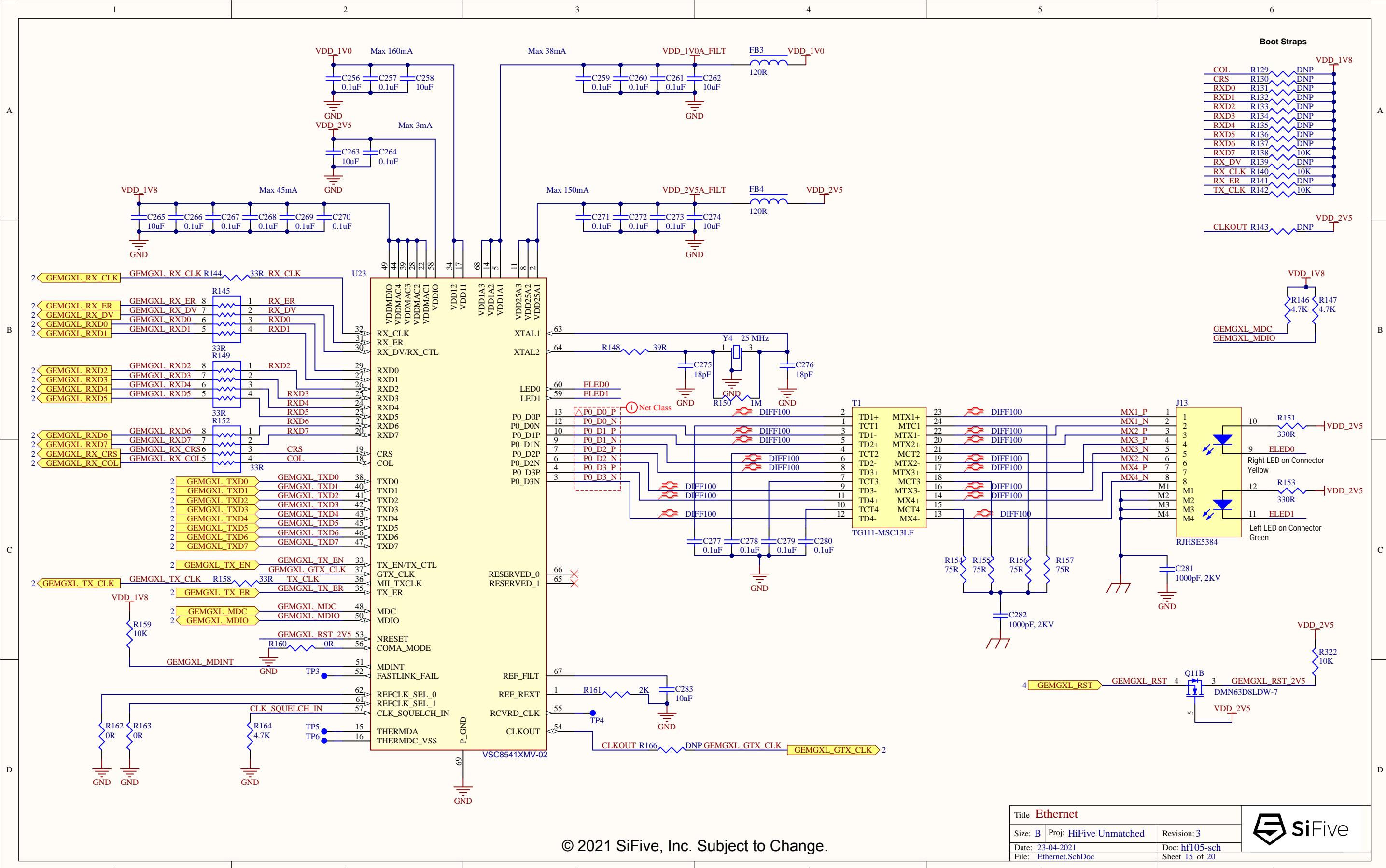
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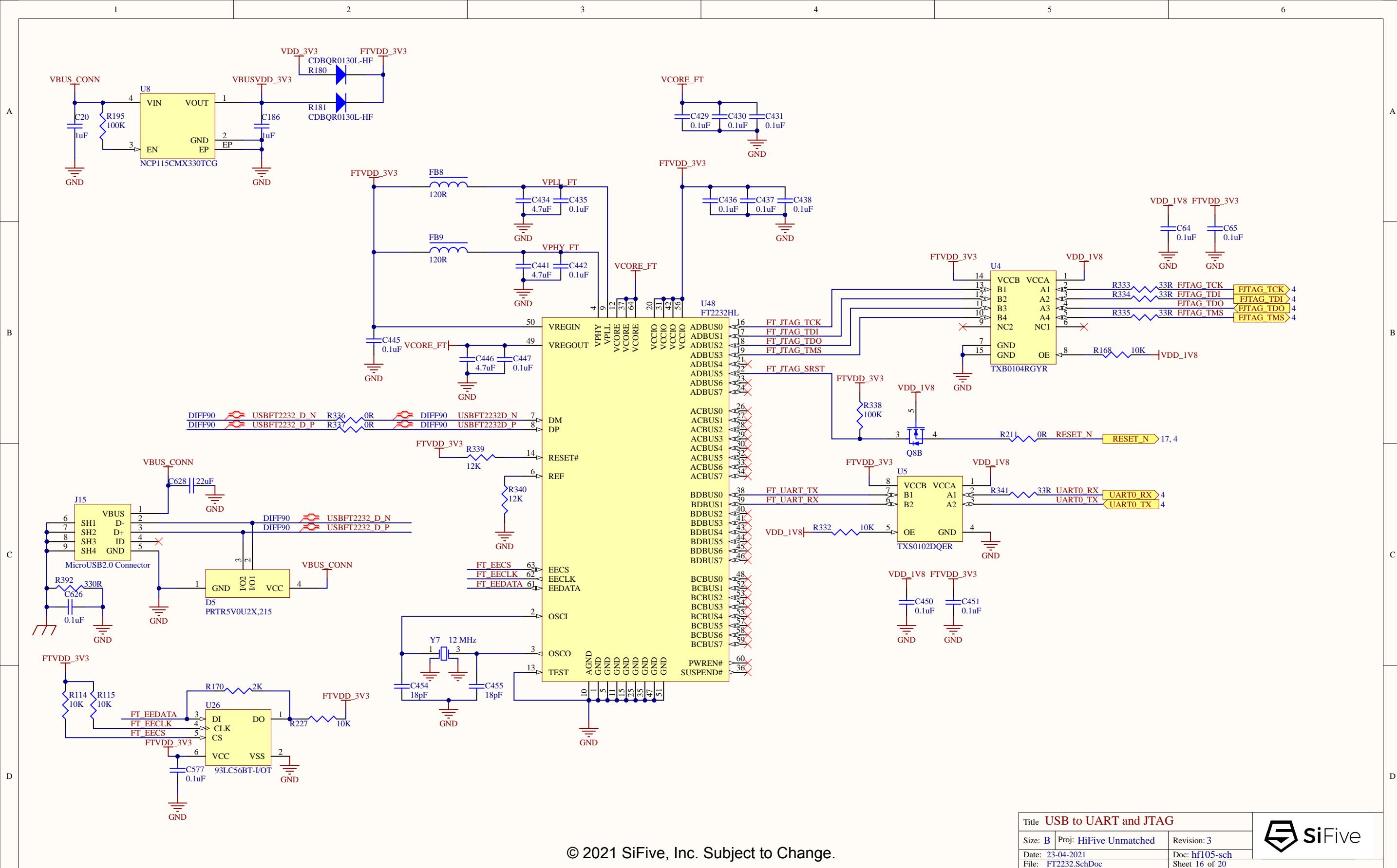
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Please contact Asmedia for **ASM1042A-48** Section schematics

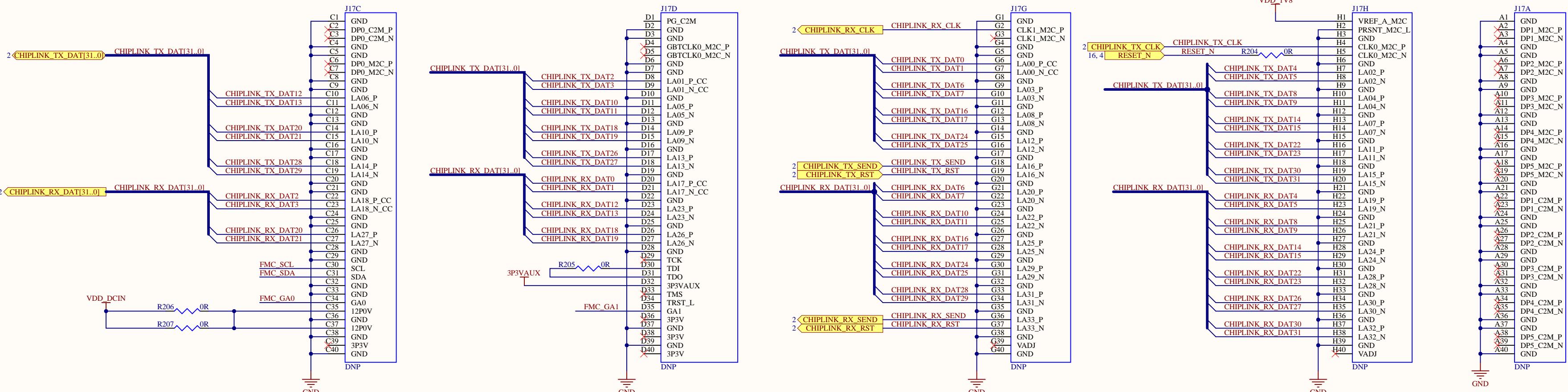




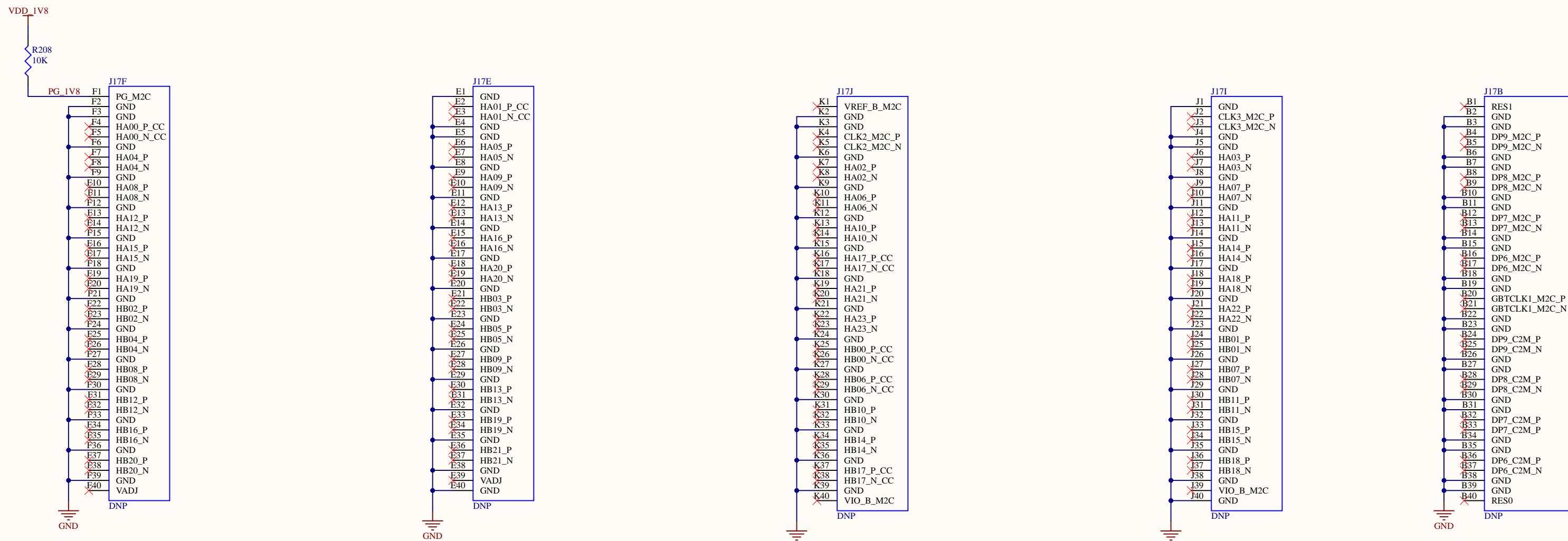




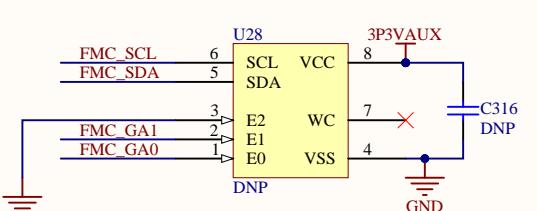
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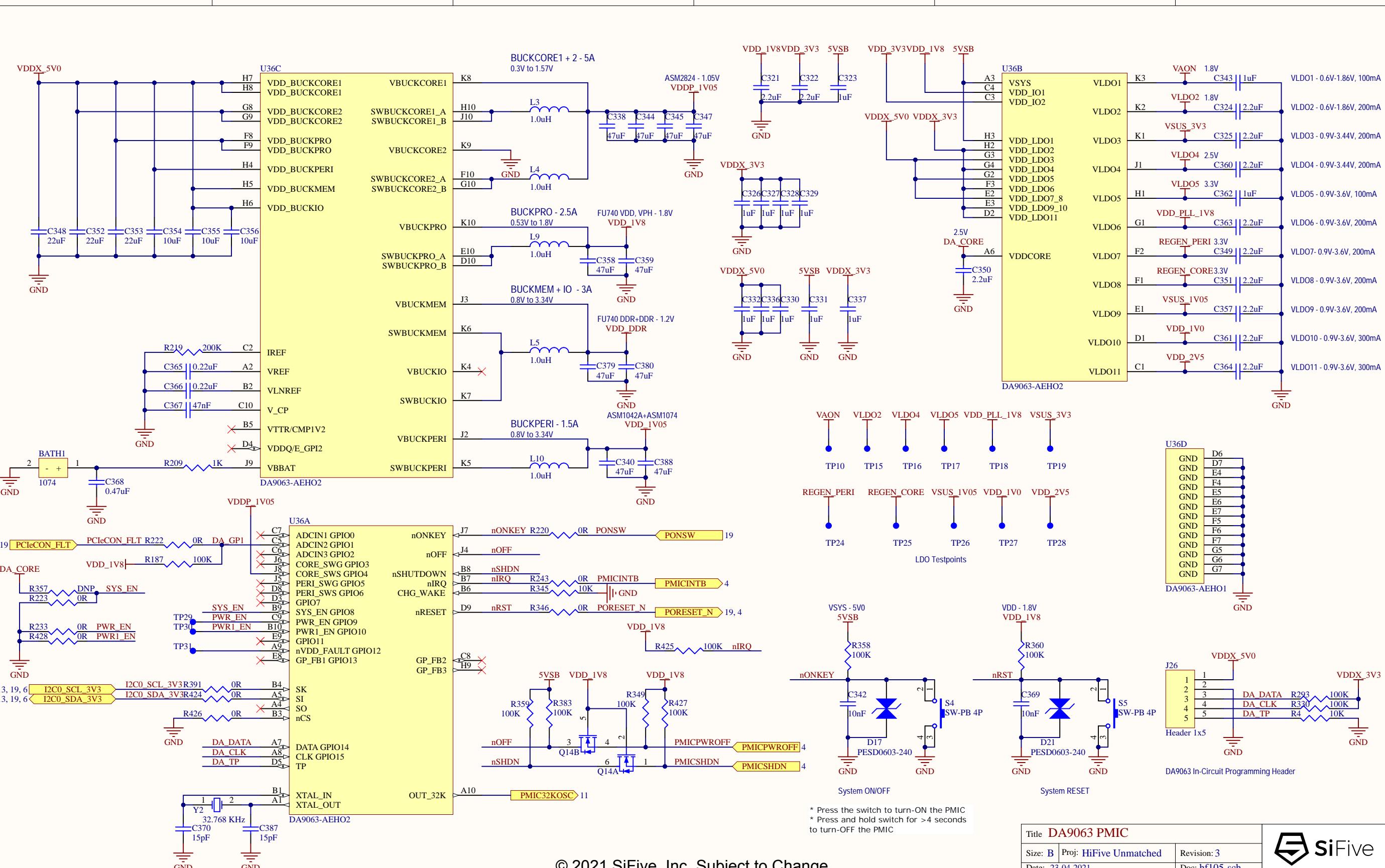
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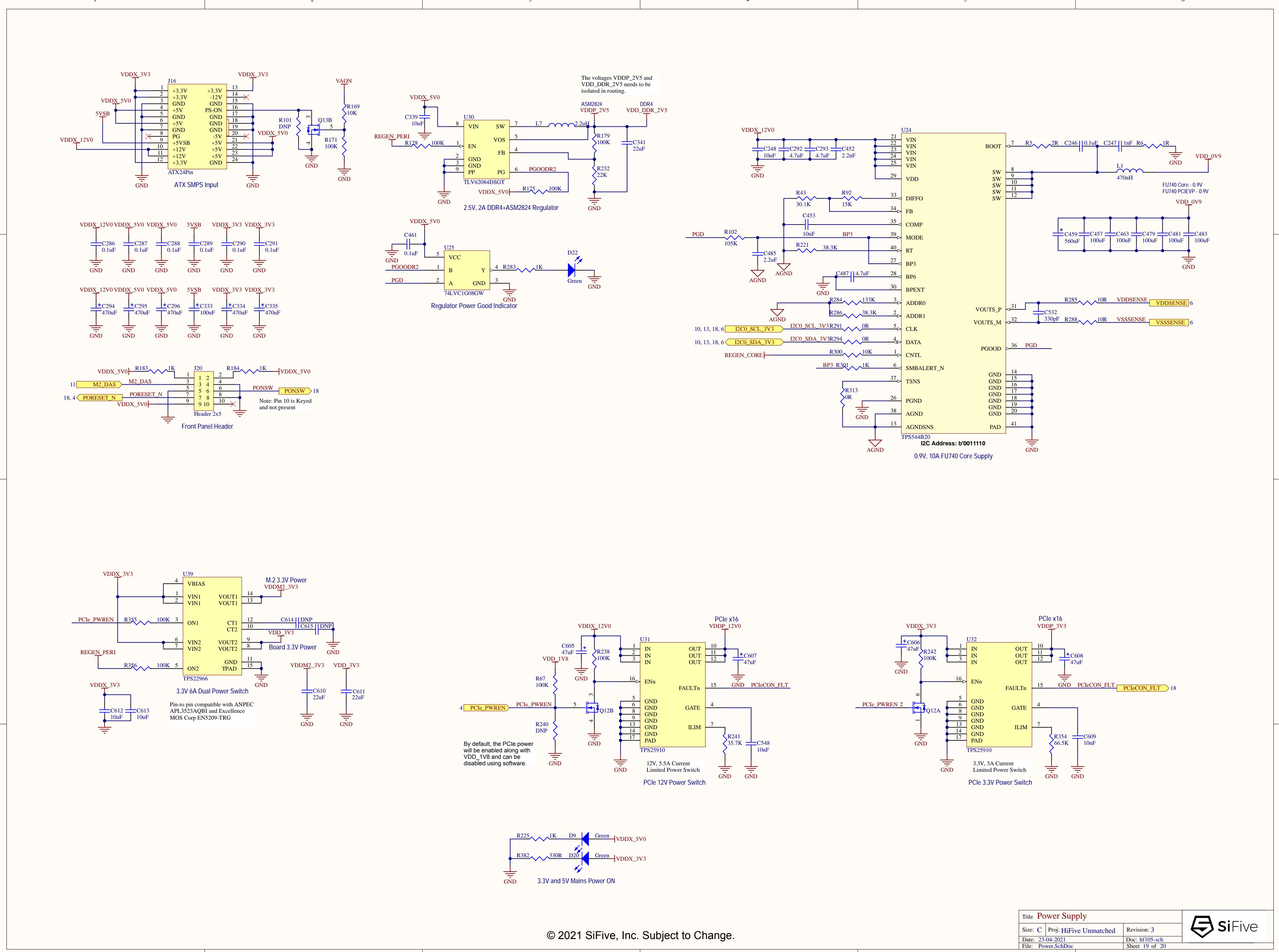


C



D





Revision History

A	Revision 1	18-Aug-2020	- Initial revision	A
B	Revision 2	11-Nov-2020	<ul style="list-style-type: none"> - Removed J12 - I2CO 3V3 Header - Removed resistors R409, R410, R411, R412, R413 and connect directly - Removed resistors R414, R415, R416, R417, R418 and connect directly - Removed resistors R419, R420, R421, R422, R423 and connect directly - Removed Q5, R4, R5, R6 - CPU fan PWM control - Connect VDDX_12V0 directly to Fan header J21 - J21 - Changed to 2-pin from 3-pin - PWM1_1 Made NC - Removed J10, R92 - MMCX connector for HFXCLK - Added R419, Pull-down resistor from SMB_CLK of U6 for strapping - R72 - Made DNP, R79 Mount OE resistor for HFXSEL strap option - R26 - JTAG_TDI Pull-up made DNP - R34, R210 - SPI0_MISO, SPI0_CS pull-up made DNP - R116, R178 - Changed 100K to 10K - Enable Fan2, Fan3 on powerup - J22 - Made mount from DNP - Added text near RJ45 connector for LED colors in Ethernet page - C367 changed to 47nF - Added R4, 10K pull down from U36, pin D5, TP - Removed the 1.05V regulator U25 and section. C246,C292,C293,C247,C248,R102,R42,R175 - Add U25,C461,R283,D22 - Add 0.9V,20A Regulator U24 for core supplies. U24,L1,C246,C247,C248,C292,C293,C452,C453,C457,C459,C463,C478,C481,C483,C485,C487,C532, R5,R6,R102,R221,R284,R286,R291,R294,R300,R301,R313 - Remove R343,R344 - Include MK1, MK2 SMD standoff to hold M.2 card - Modfy M1,M2,M3,M14 with M2.5 thread 	B
C	Revision 3	24-Mar-2021	<ul style="list-style-type: none"> - Changed DDR4 memories to 16Gb from 8Gb - U13,U14,U15,U16,U18,U19,U20,U21 - Changed value of R221 to 38.3K,R285,R288 to 10E and C453 to 10nF - Made J7, microUSB connector DNP - Changed C459 from 100uF ceramic to 560uF electrolytic - U24 PGND pin connected to GND - Changed value of R310,R311,R312,R315,R316,R317,R320,R321,R336,R337,R348,R353,R370,R371,R384,R385 from 33E to 0E - Added Heatsink fan K1 - Updated part number for heatsink and fan for FU740 - Added PS1 Thermal paste as component - Removed resistor at R180 - Added Diode in place of resistor at R180,R181 	C
D				D

Title	Revision History	
Size:	B	Proj: HiFive Unmatched
Date:	23-04-2021	Doc: hf105-sch
File:	RevisionHistory.SchDoc	Sheet 20 of 20

