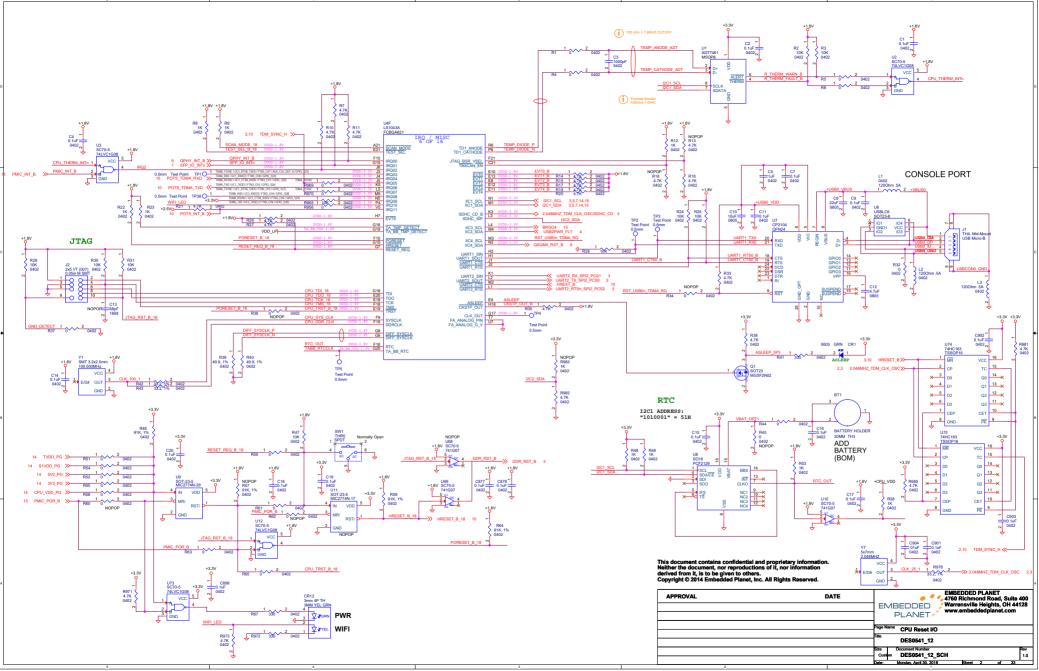
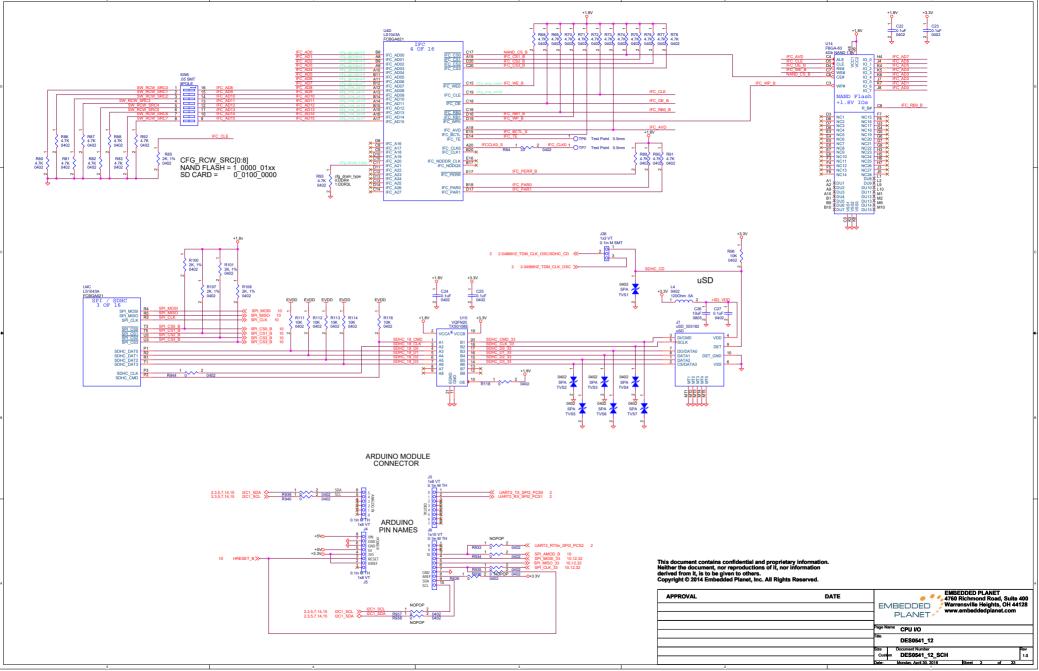
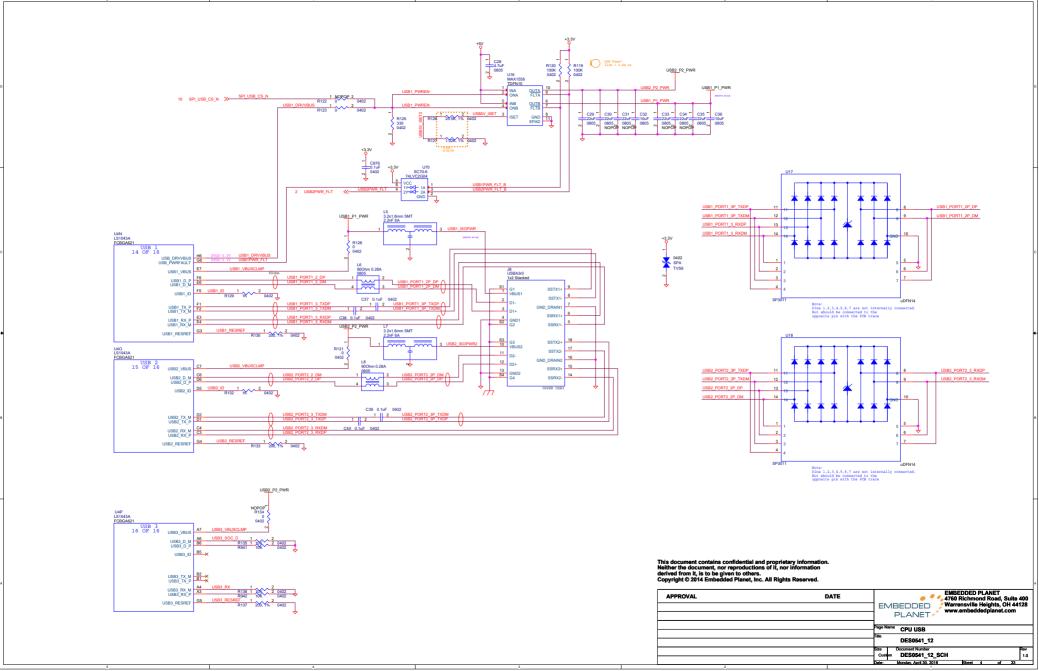


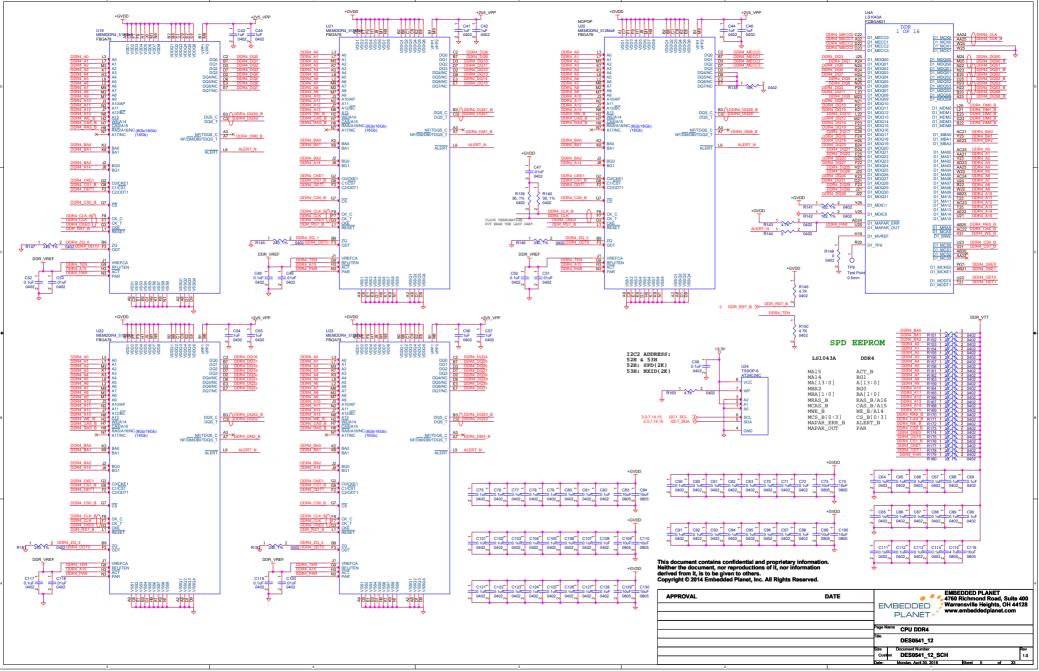
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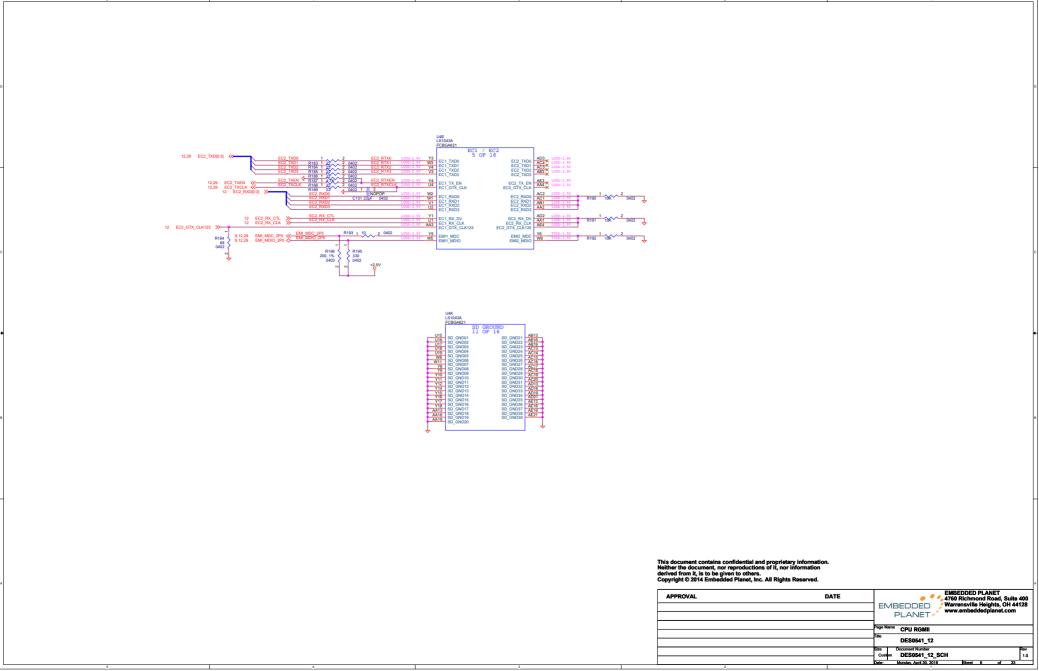
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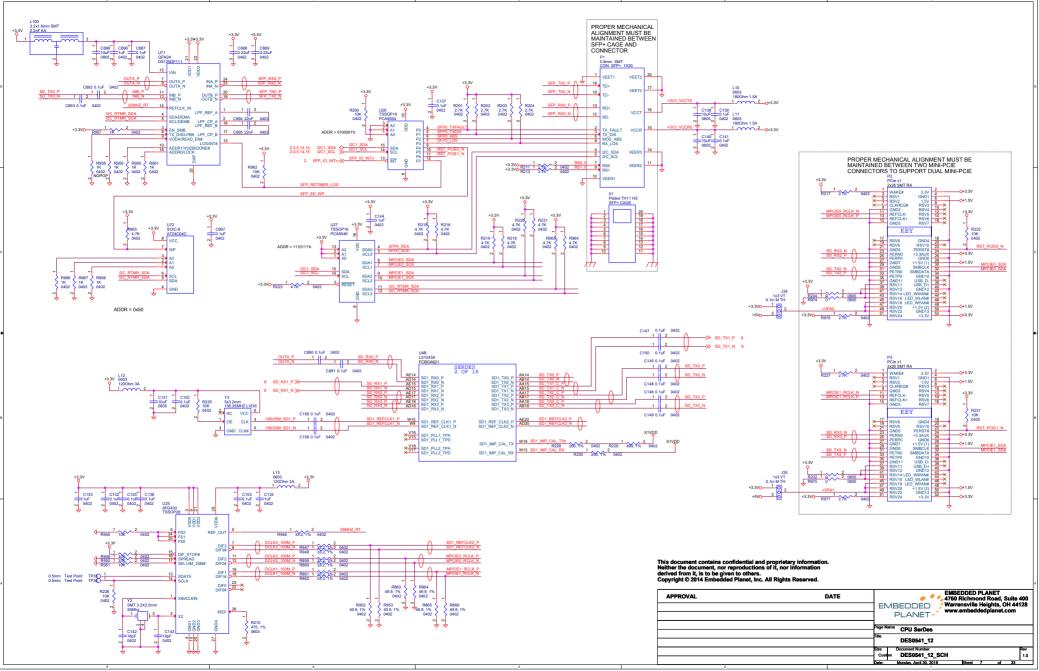


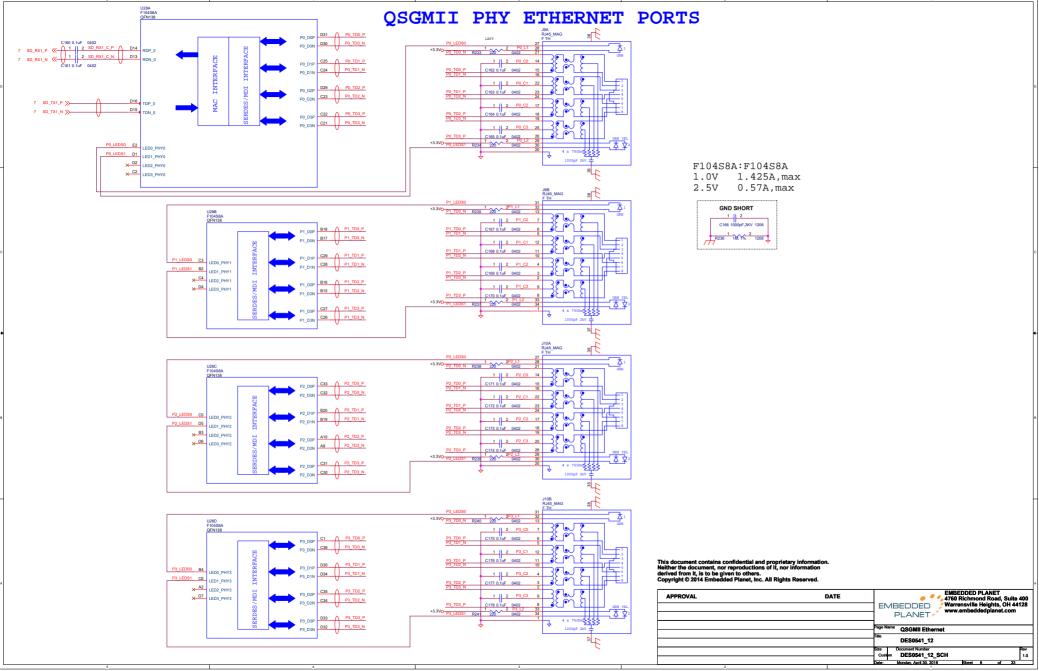






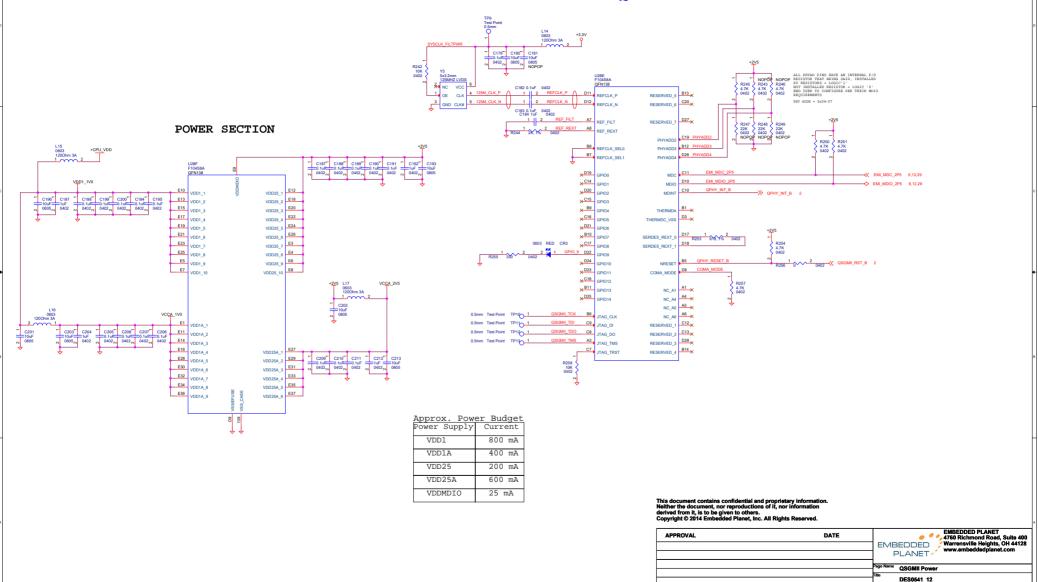


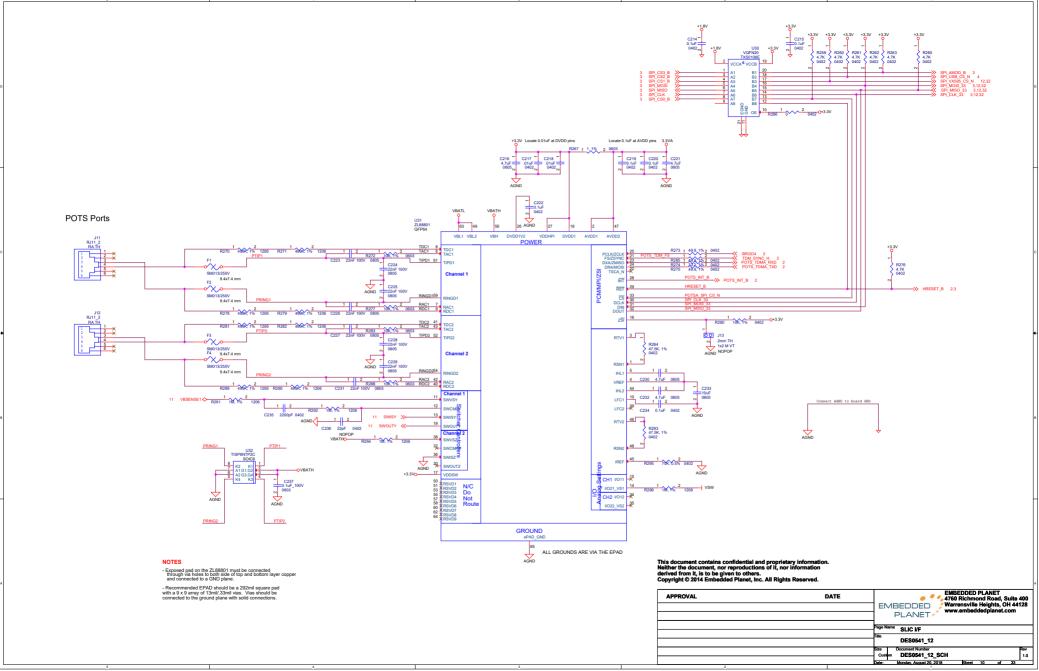


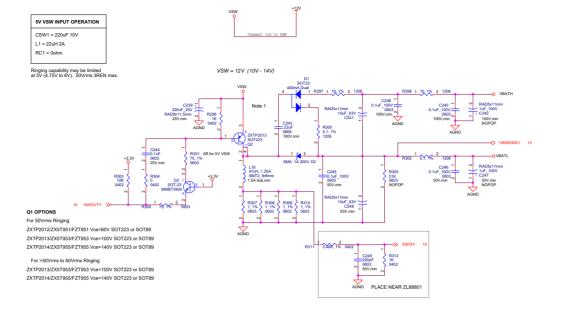


## **QSGMII CONFIG & POWER**

Custom DES0541\_12\_SCH







1) Q2 should have a collector thermal pad of at least 1cm x 1cm

 For 60Vrms ringing applications must be 100V Vce rated, ZXTP2013G. C241 should be 63V min. For 50Vrms ringing Vce can be 60V rated, ZXTP2012G. C241 can be 50V rated.

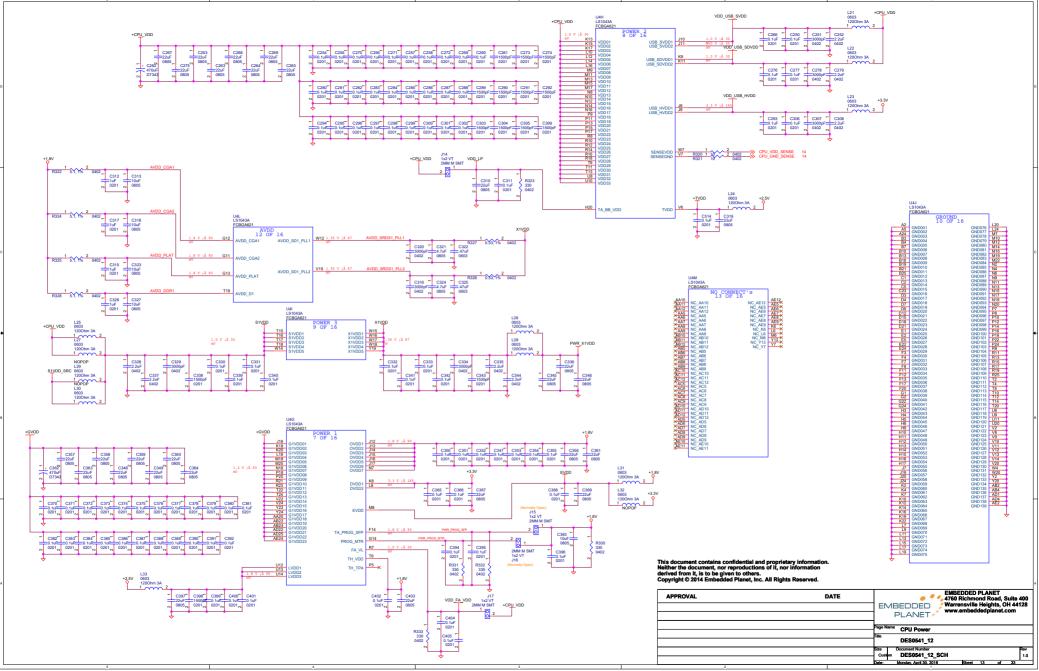
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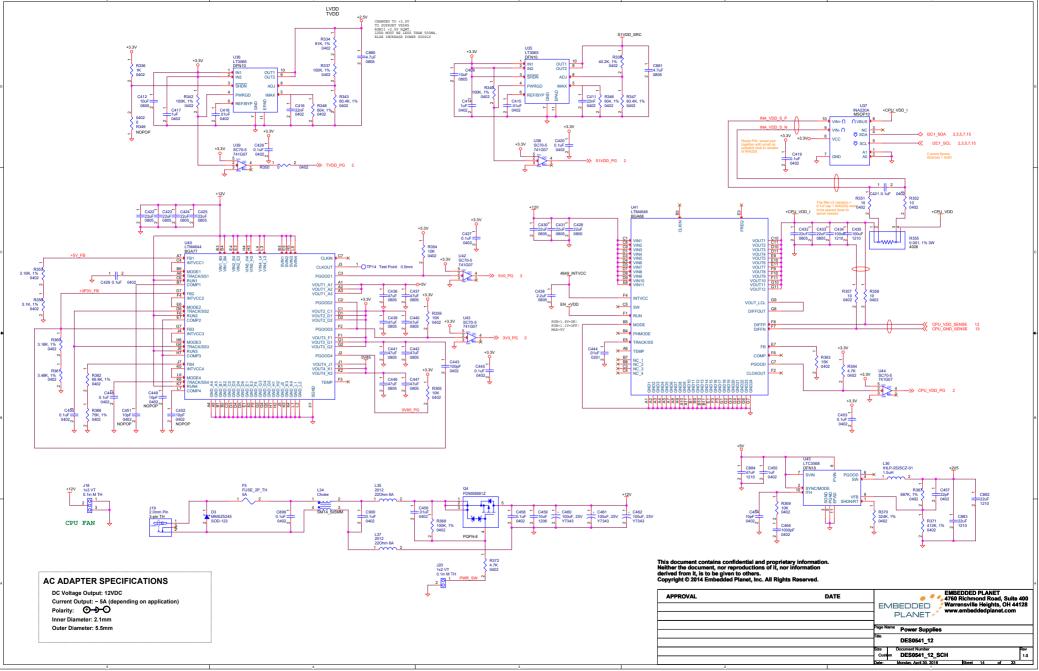
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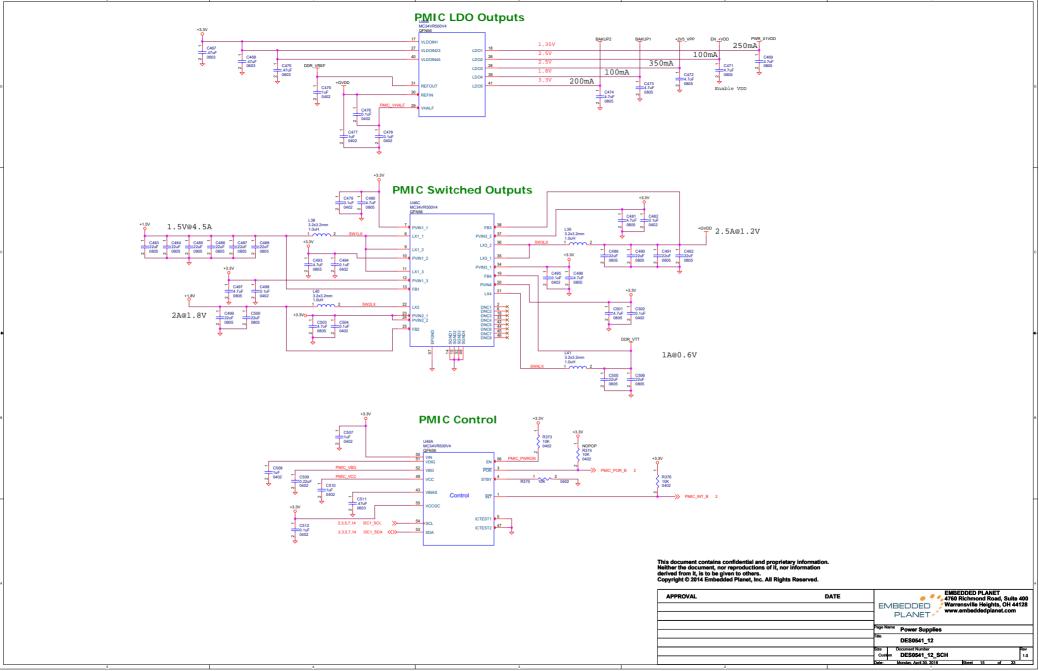
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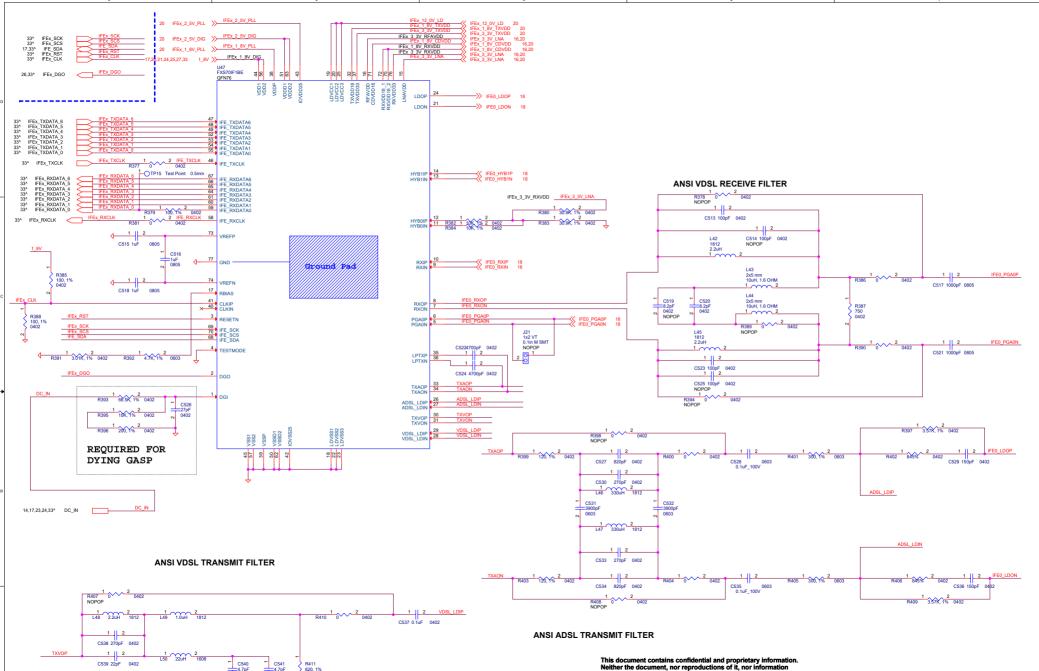
Change L19 and L20 Board Option if DSL circuitry is installed. NOPOP L19 3.2x1.6mm SMT 2.2nF 6A NOPOP L20 3.2x1.6mm SMT 2.2nF 6A RGMII\_INT\_N →> EC2\_RXD[0:3] 6 RGMII\_VX-TXD0\_LS-RXD0\_25 RGMII\_VX-TXD1\_LS-RXD1\_25 RGMII\_VX-TXD2\_LS-RXD2\_25 RGMII\_VX-TXD3\_LS-RXD3\_25 RGMII VX-RXD0 LS-TXD0 25 RGMII VX-RXD1 LS-TXD1 25 RGMII VX-RXD2 LS-TXD2 25 RGMII VX-RXD3 LS-TXD3 25 RGMII\_VX-RXCLK\_LS-TXCLK\_25 RGMII\_VX-RXDV\_LS-TXEN\_25 RGMII\_MDC\_25 RGMII\_PHY\_CLK\_25 1 2 0402 RGMII PHY CLK 25 → EC2\_GTX\_CLK125 6 SPI1\_CLK\_18 ◆ SPI\_CLK\_33 3,10,32! SPI1\_MOSI\_18 ◆ SPI\_MOSI\_33 3,10,32! >>> SPI\_MISO\_33 3,10,32! SPI1 MISO 18 SPI1\_CS1\_18 SPI1\_SLVCS\_18 SPI\_VX585\_CS\_N 10,32! top level schematic This document contains confidential and proprietary information. Neither the document, nor reproductions of it, nor information derived from it, is to be given to others.

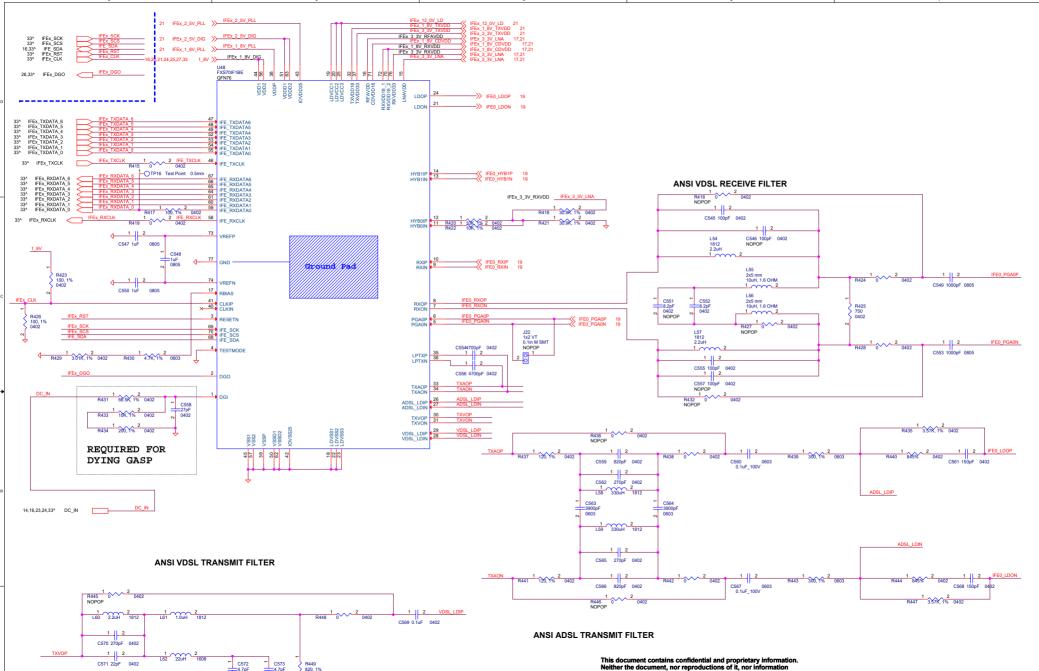
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www.embeddedplanet.com APPROVAL DATE EMBEDDED PLANET. Page Name Vx585 DSL DES0541\_12 Size Document Number
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Date: Monday, April 30, 2018

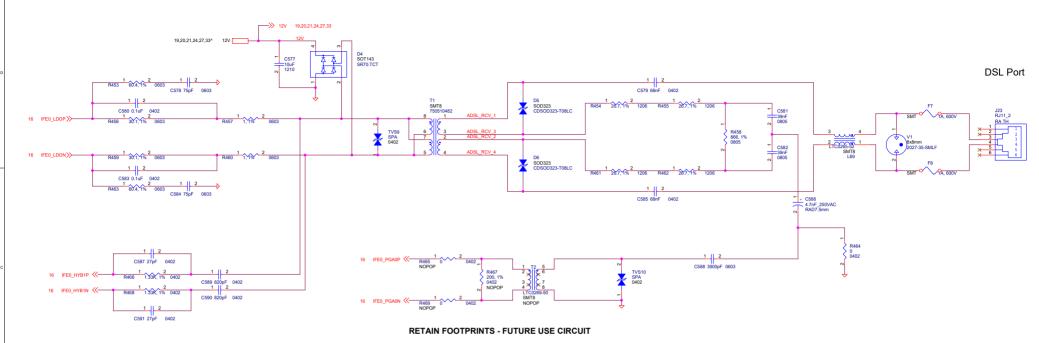


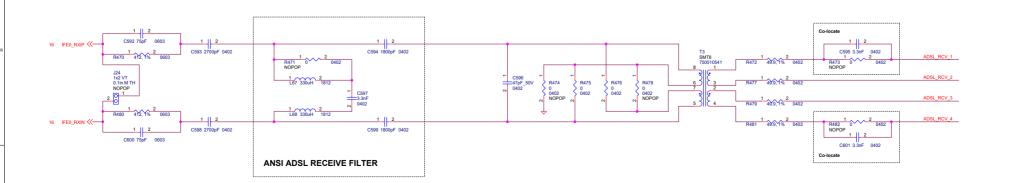


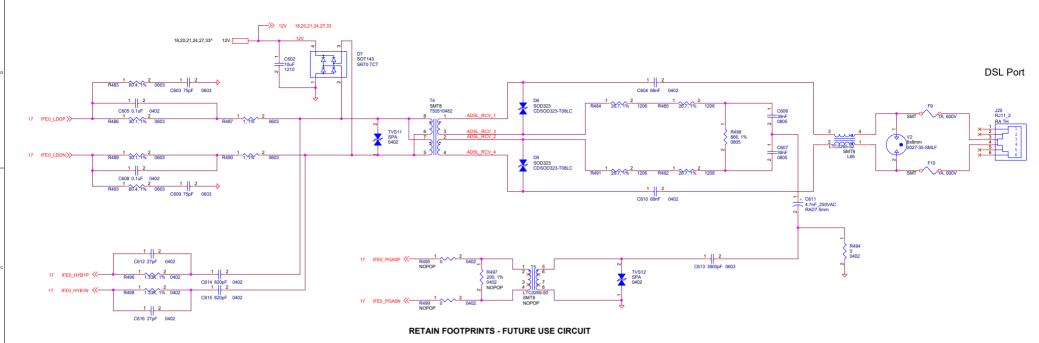


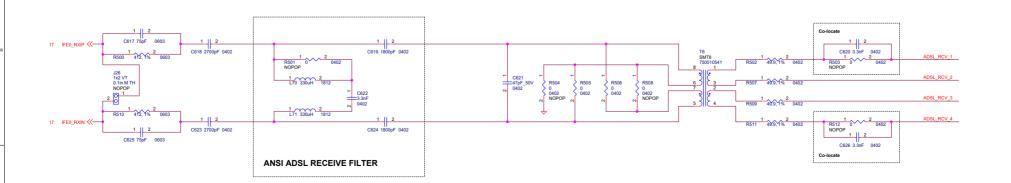






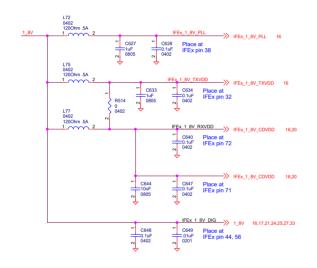


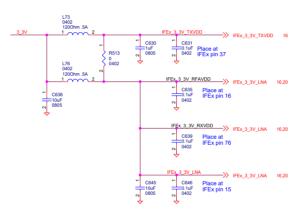


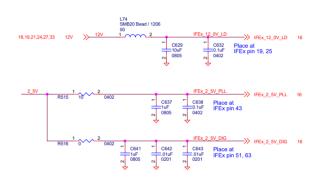


## **Power Input**

21,23,24,25,26,27,30,31,32,33^	3_3V	3_3V
21,25,26,27,29,31,33^	2_5V	2_5V
16.17.21.24.25.27.33^	1 8V	1_8V

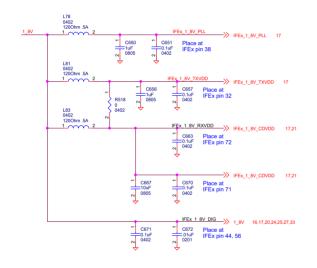


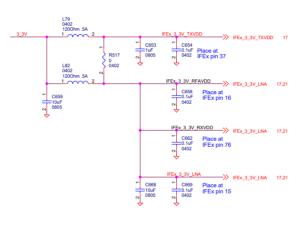


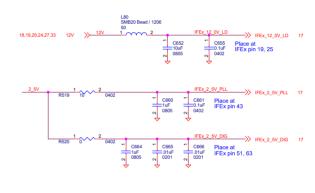


## **Power Input**

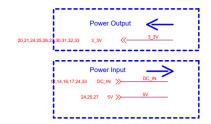
20,23,24,25,26,27,30,31,32,33^	3_3V	3_3V
20,25,26,27,29,31,33^	2_5V	2_5V
16.17.20.24.25.27.33^	1 8V	1_8V

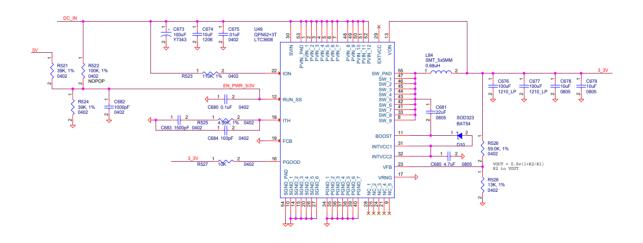


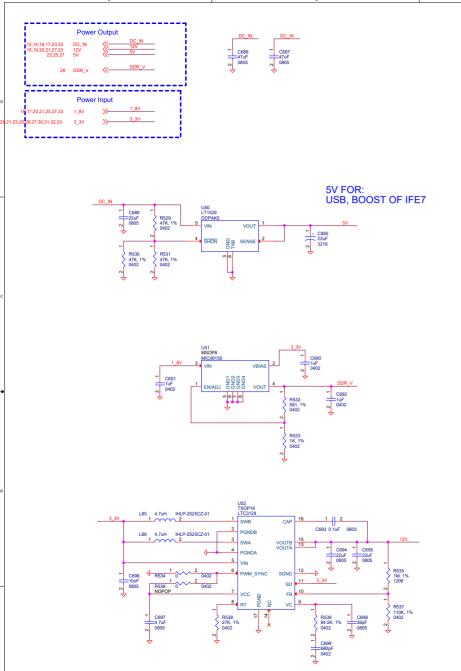


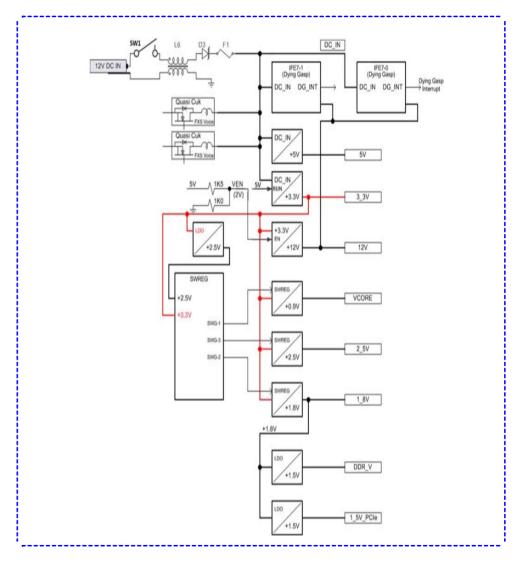


2.3.4.5.6.7.8.9.10.12^1.13.14.15.16.17,18.19.20.21.23.24.25.26.27.28.29.30.31,32.33 GND DC\_IN 12.14.16.17.23.24 DC\_IN DC\_IN 12.14.16.17.23.24.33

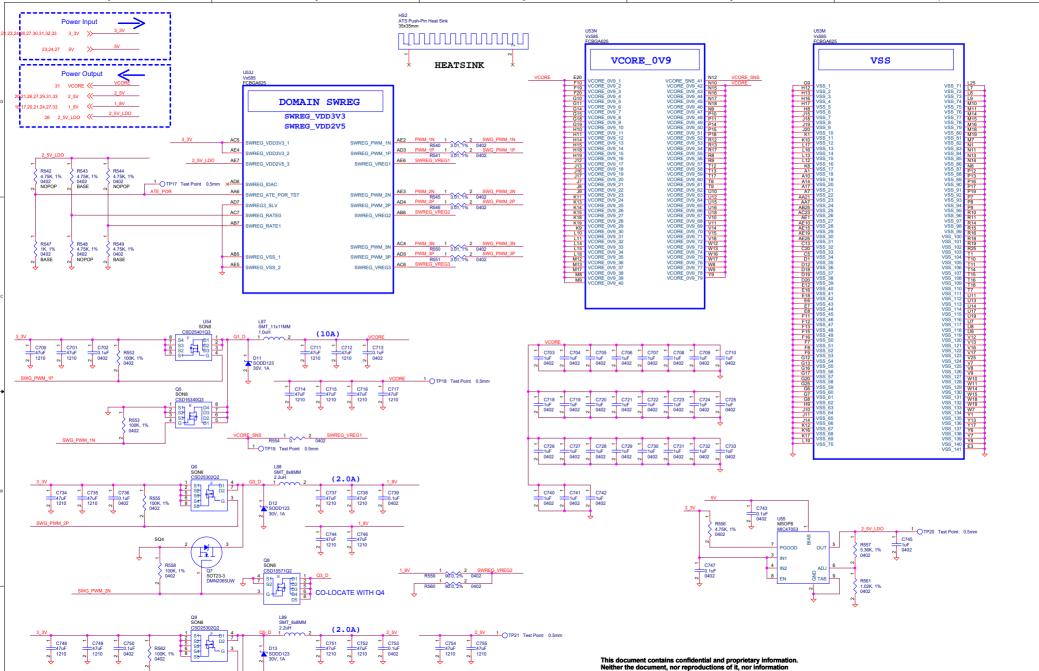


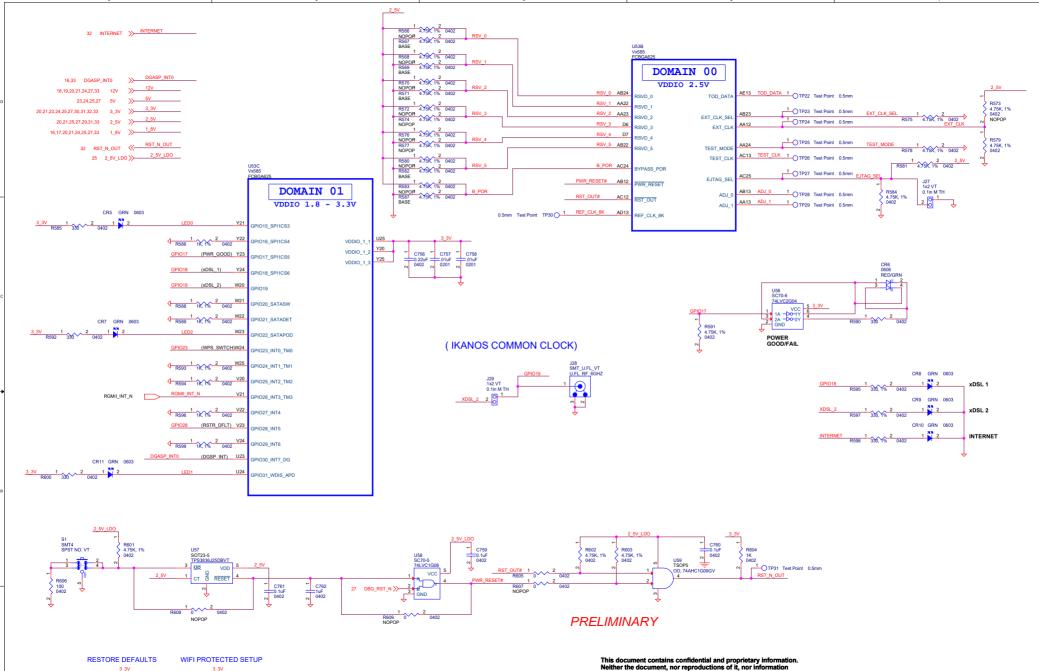


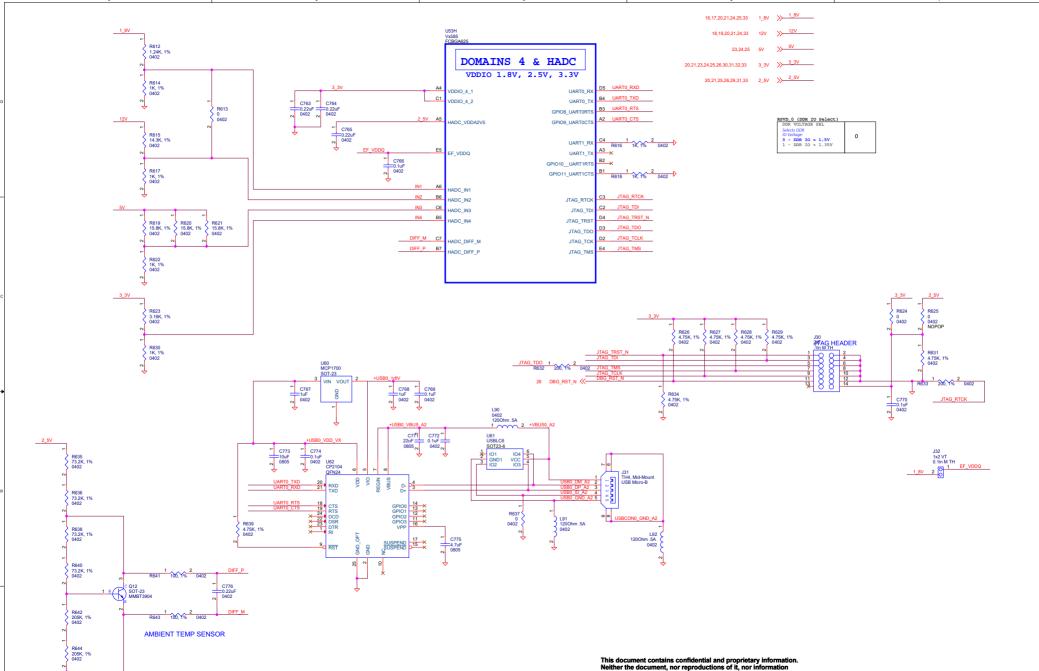


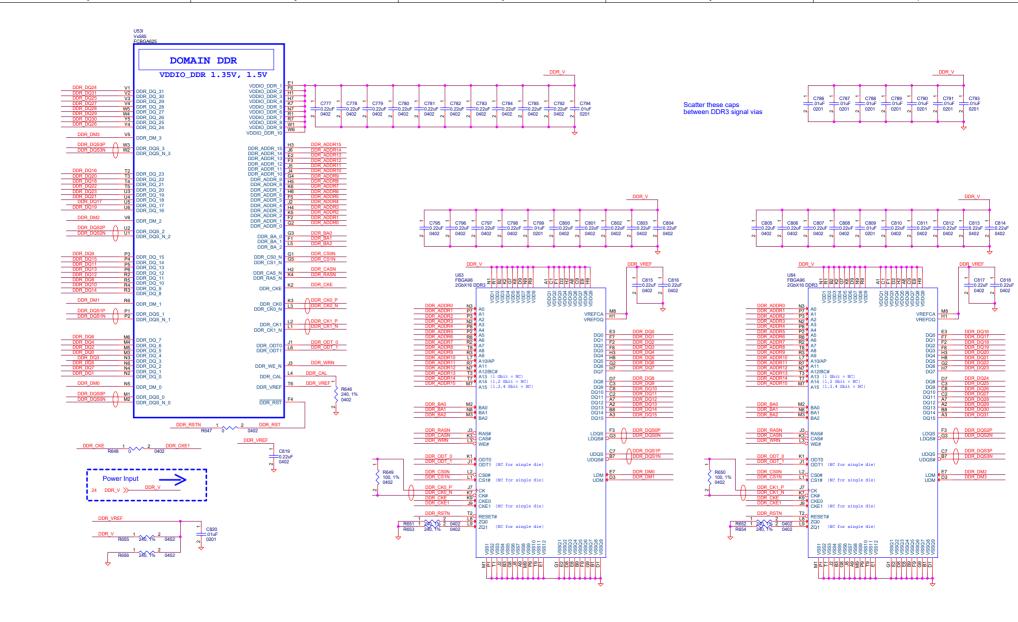


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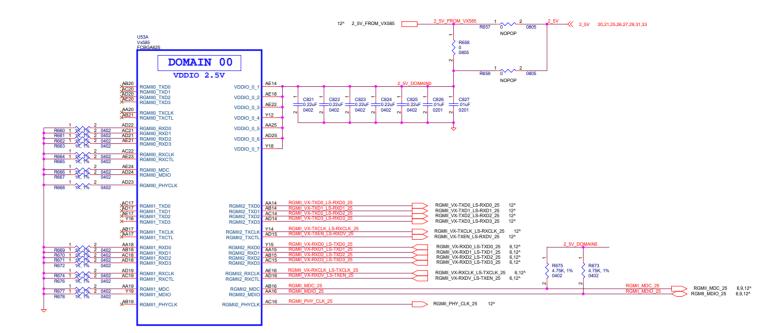


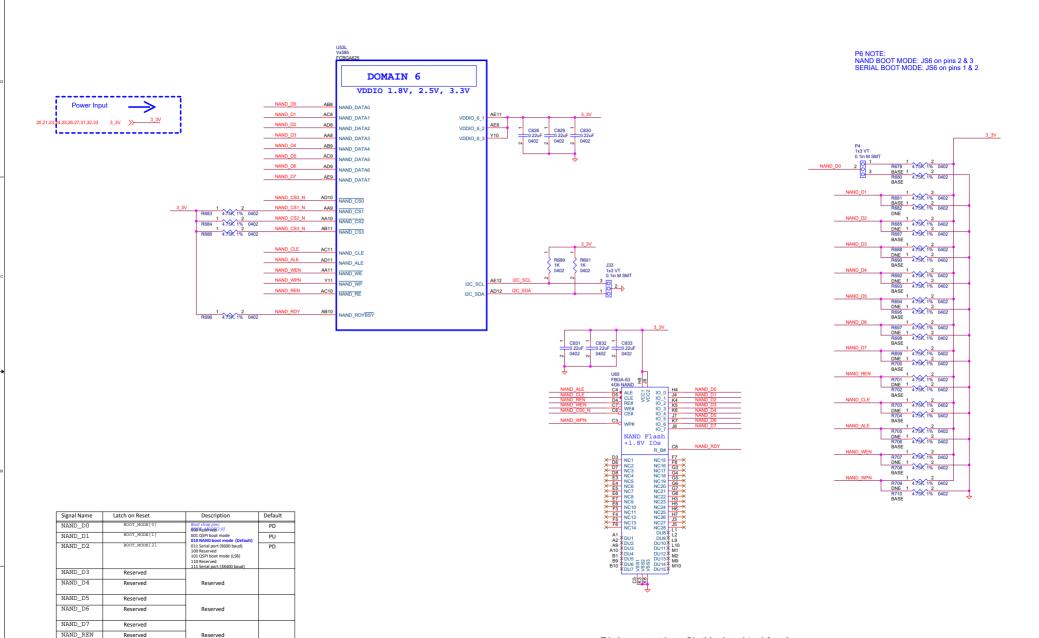




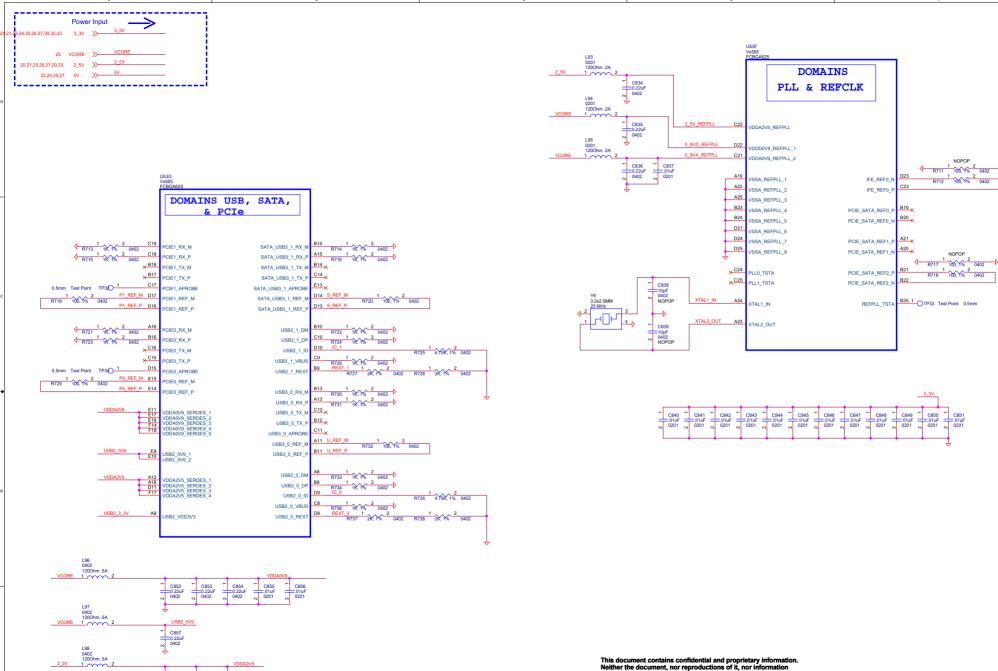


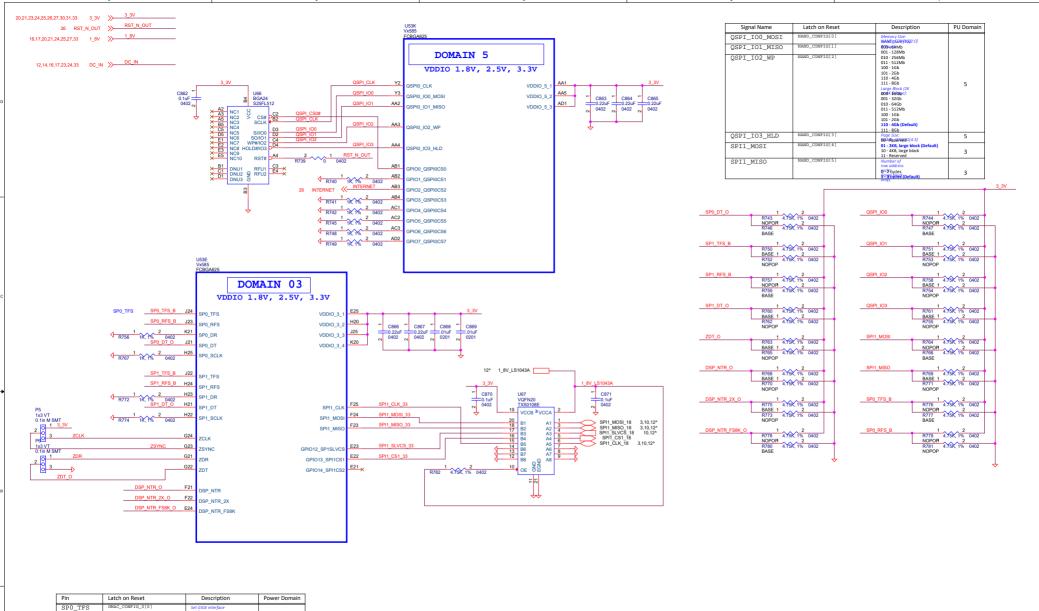
	Powe	r Input	$\rightarrow$
23,24,25,27	5V	>	5V
21,23,24,25,26,27,30,31,32,33	3_3V	»—	3_3V
2021,25,26,27,29,31,33	2_5V	»—	2_5V
16,17,20,21,24,25,27,33	1_8V	»——	1_8V
12,14,16,17,23,24,33	DC IN	»—	DC_IN





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SPO RFS

GMAC CONFIG 1[0]

GMAC\_CONFIG\_2[0]

SP0 DT

SP1\_TFS

SP1 RFS

SP1\_DT

or the 3 GIGE norte

10 - RGMII (Default 11 - Reverse RGMII 3

00 - RMII

