

MarS Board

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Authorize	<authorize>	Size	Doc Name	Ver.
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		Date	Friday, March 08, 2013	Sheet 1 of 17

Schematic History

2012-12-14

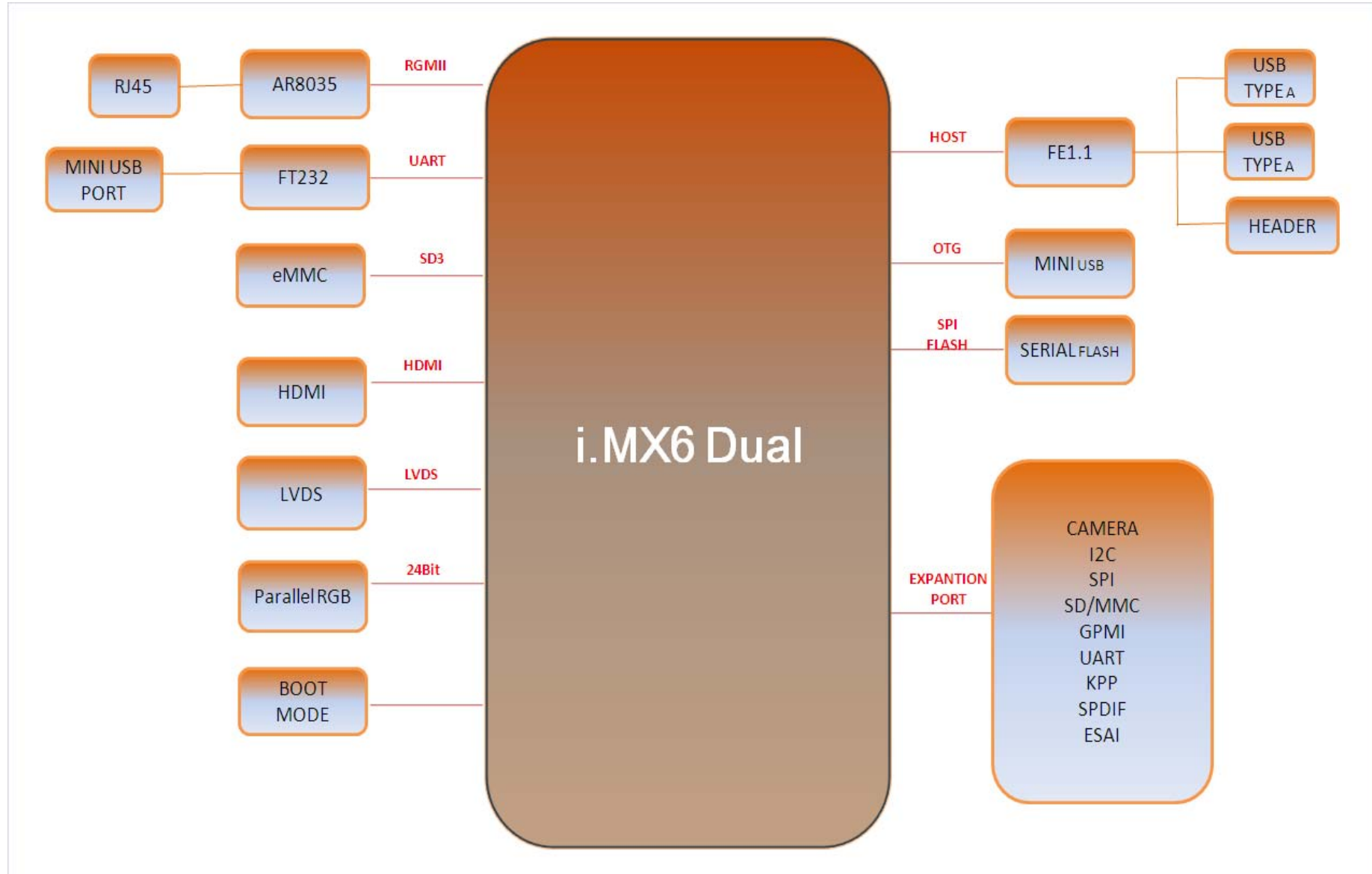
1.Add R306 for 3P3V_DEBUG bleeding

2013-01-28

1.Add LVDS Port

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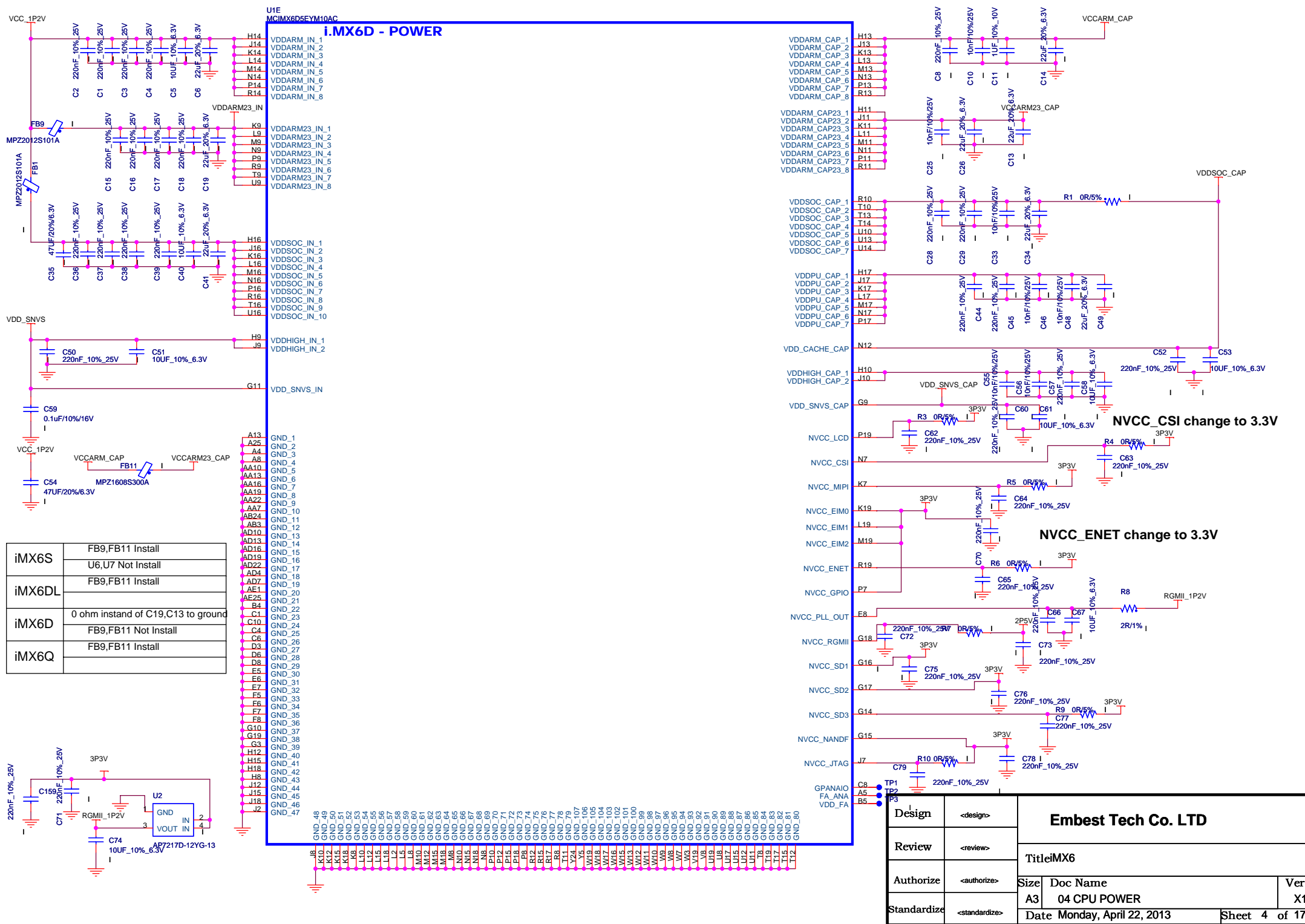
MarS Board Block



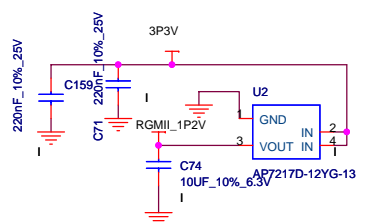
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U1E
MCIMX6DSFYM10AC

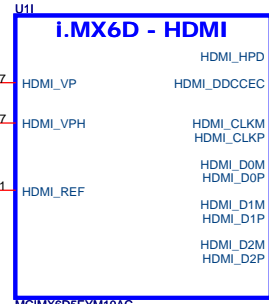
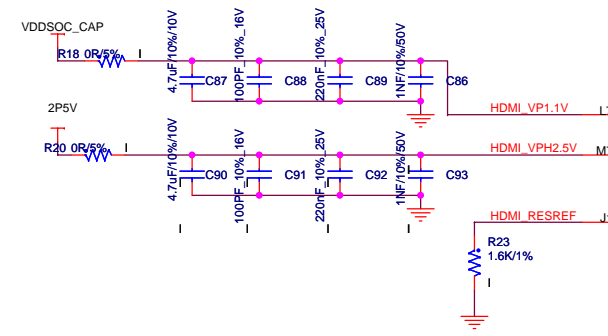
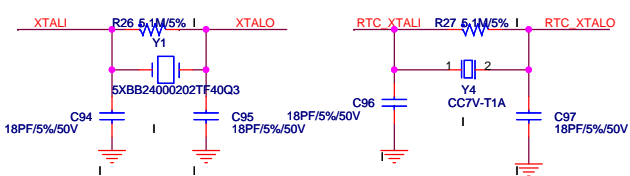
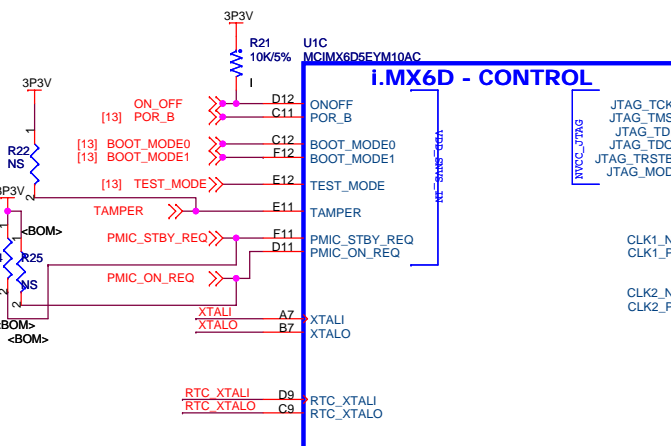
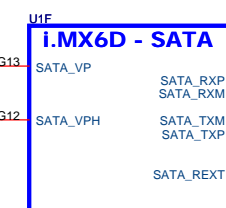
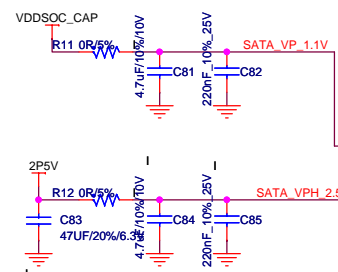
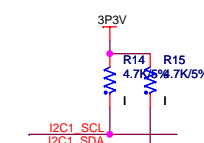
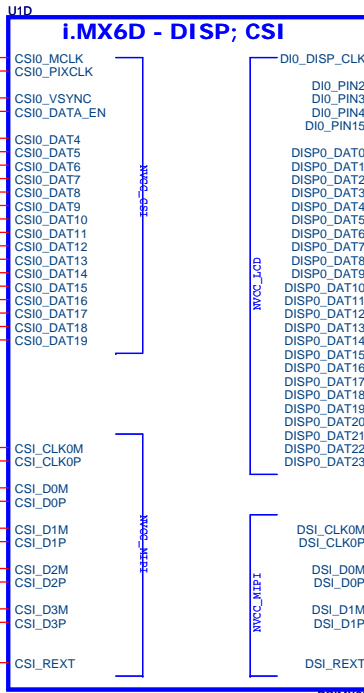
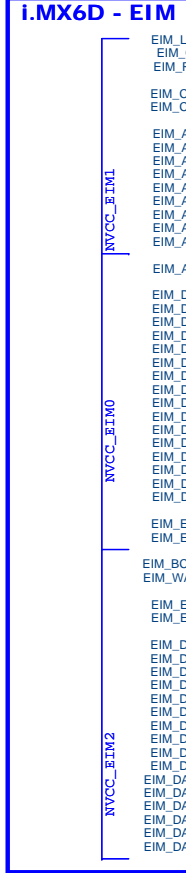
i.MX6D - POWER



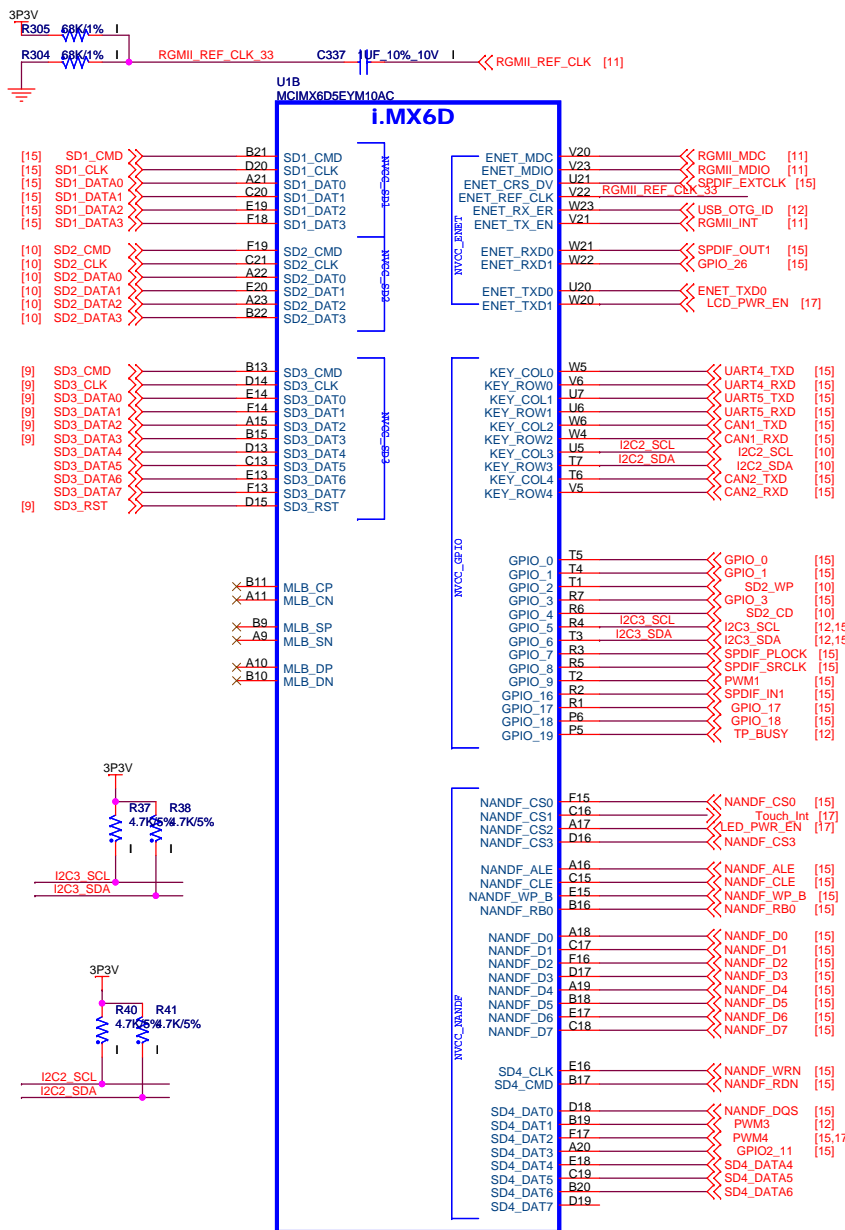
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iMX6DL	FB9,FB11 Install
iMX6D	0 ohm instand of C19,C13 to ground FB9,FB11 Not Install
iMX6Q	FB9,FB11 Install



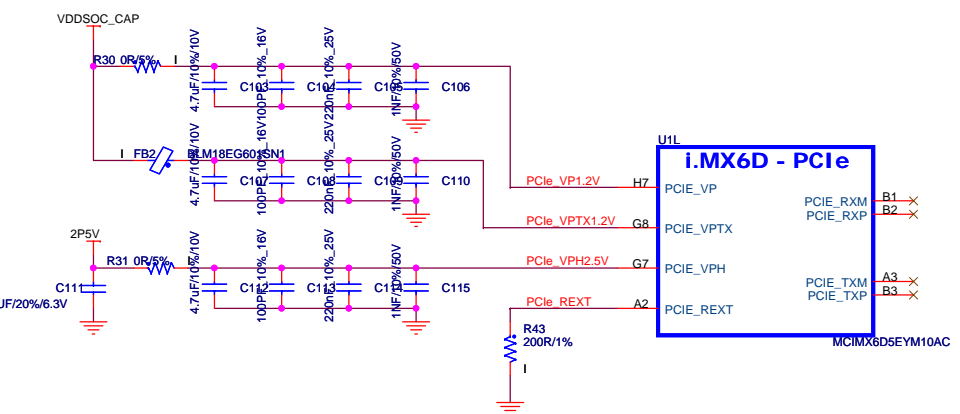
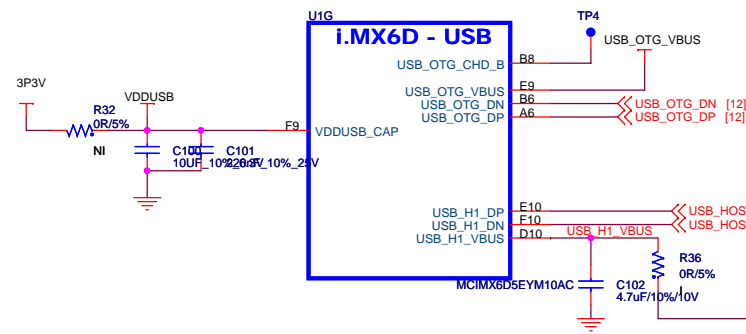
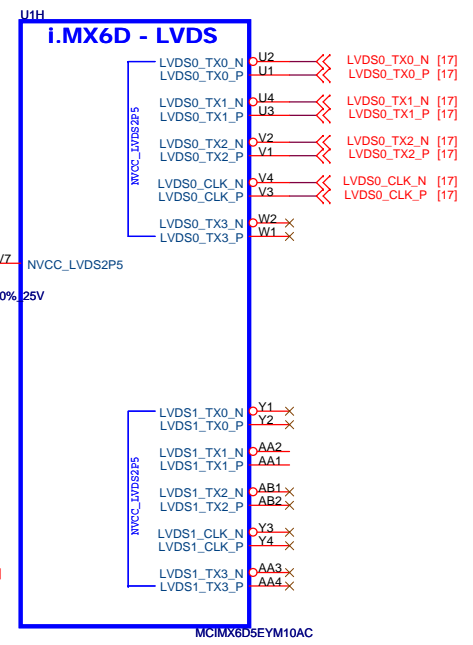
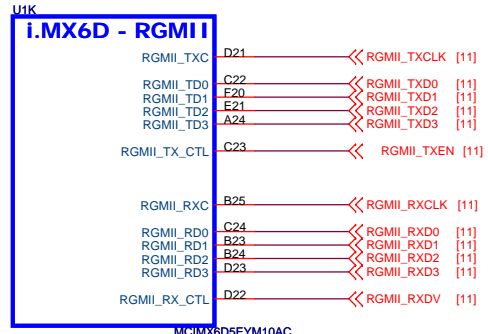
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		Date	Monday, April 22, 2013	Sheet	4 of 17



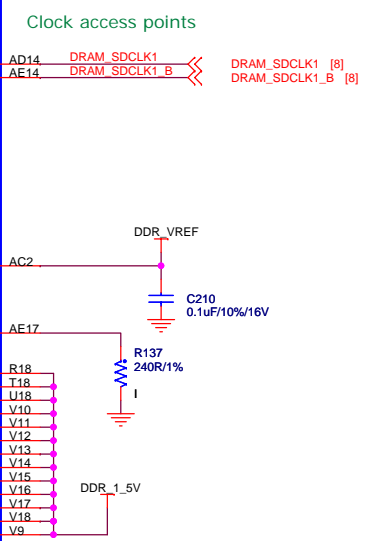
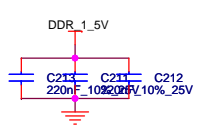
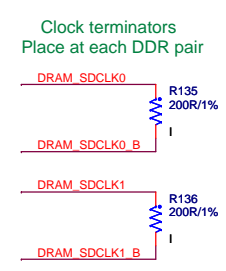
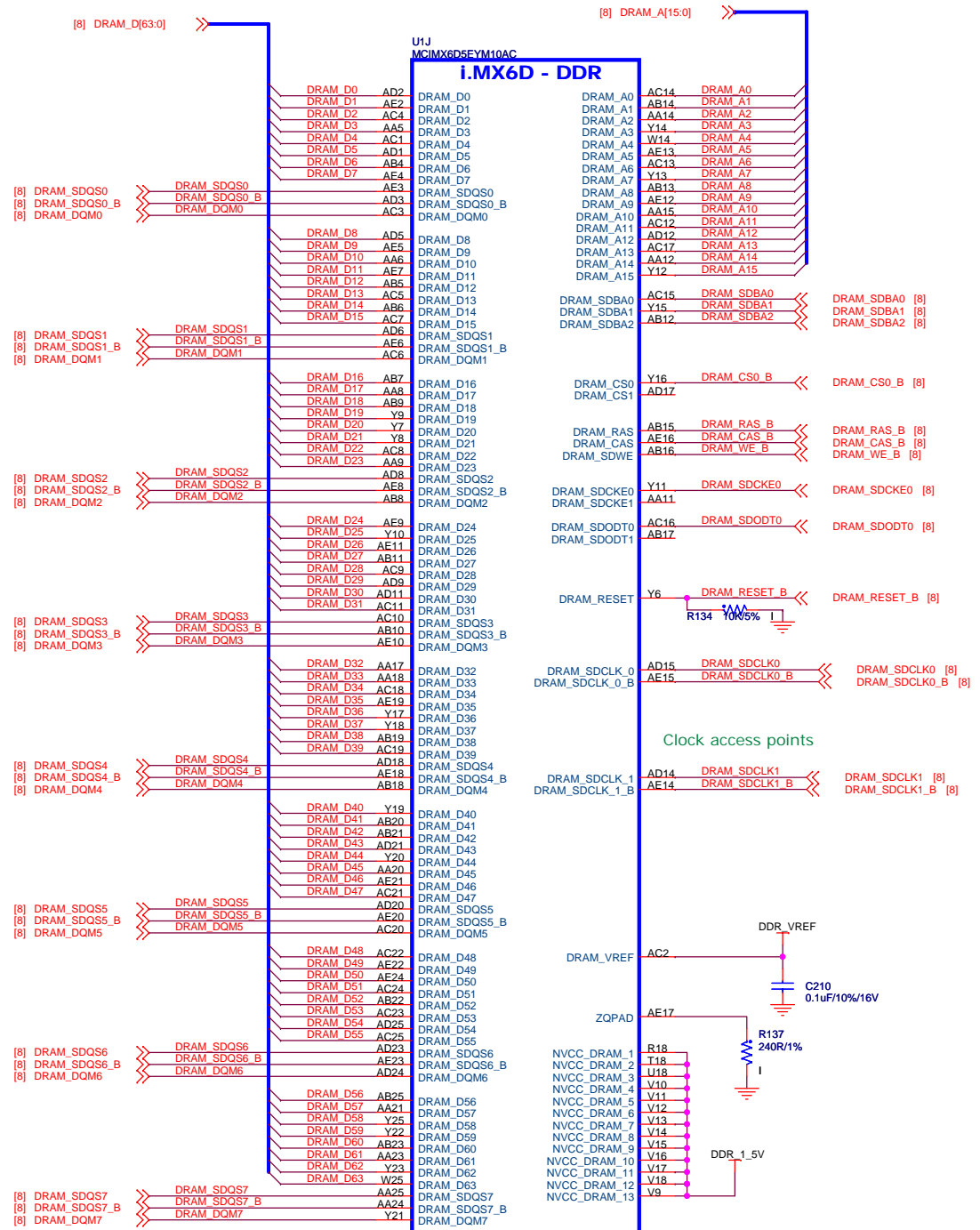
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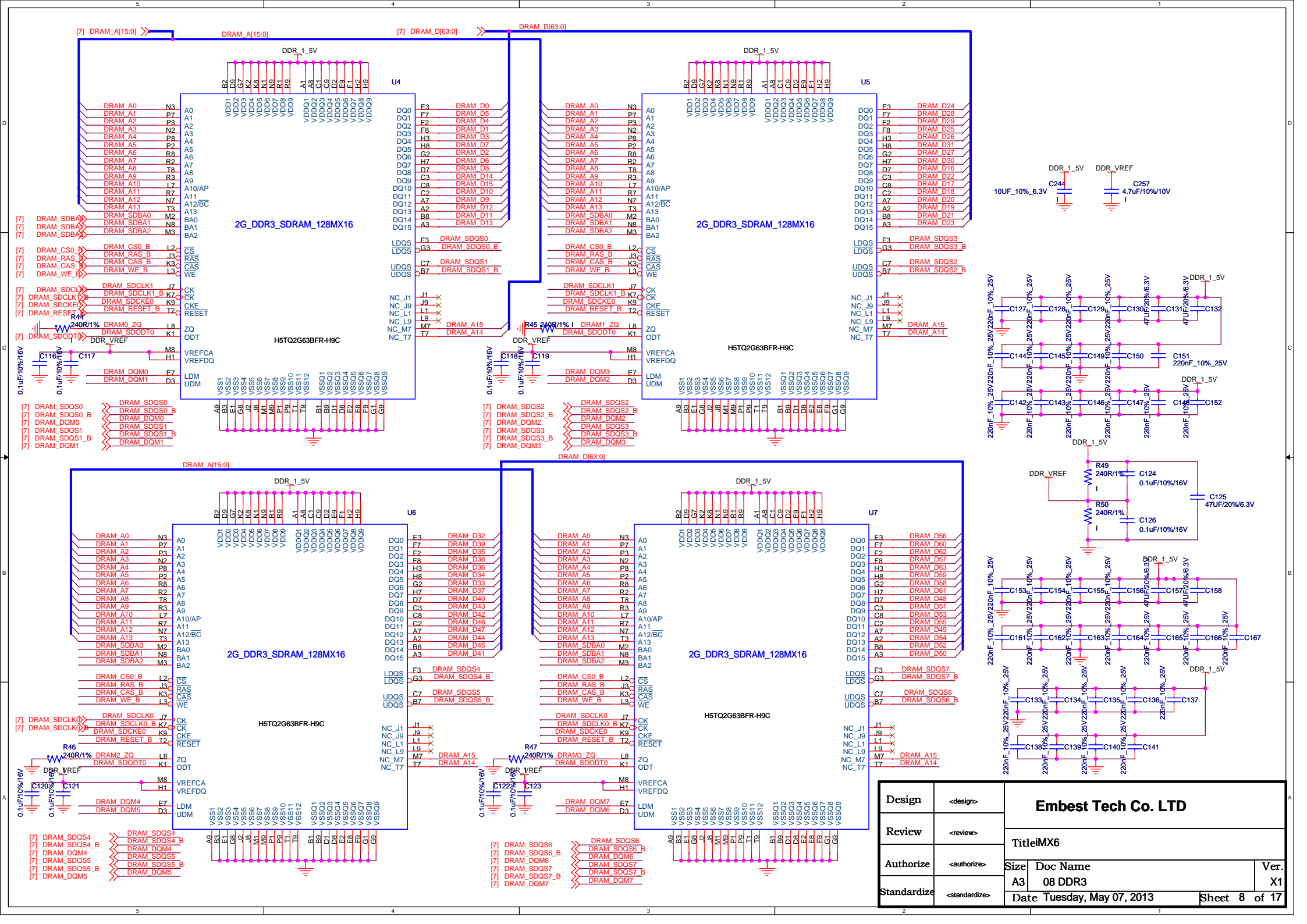
Layout: High speed data lines : 50 ohms
Put the 33ohm resistors in this page near imx6Q



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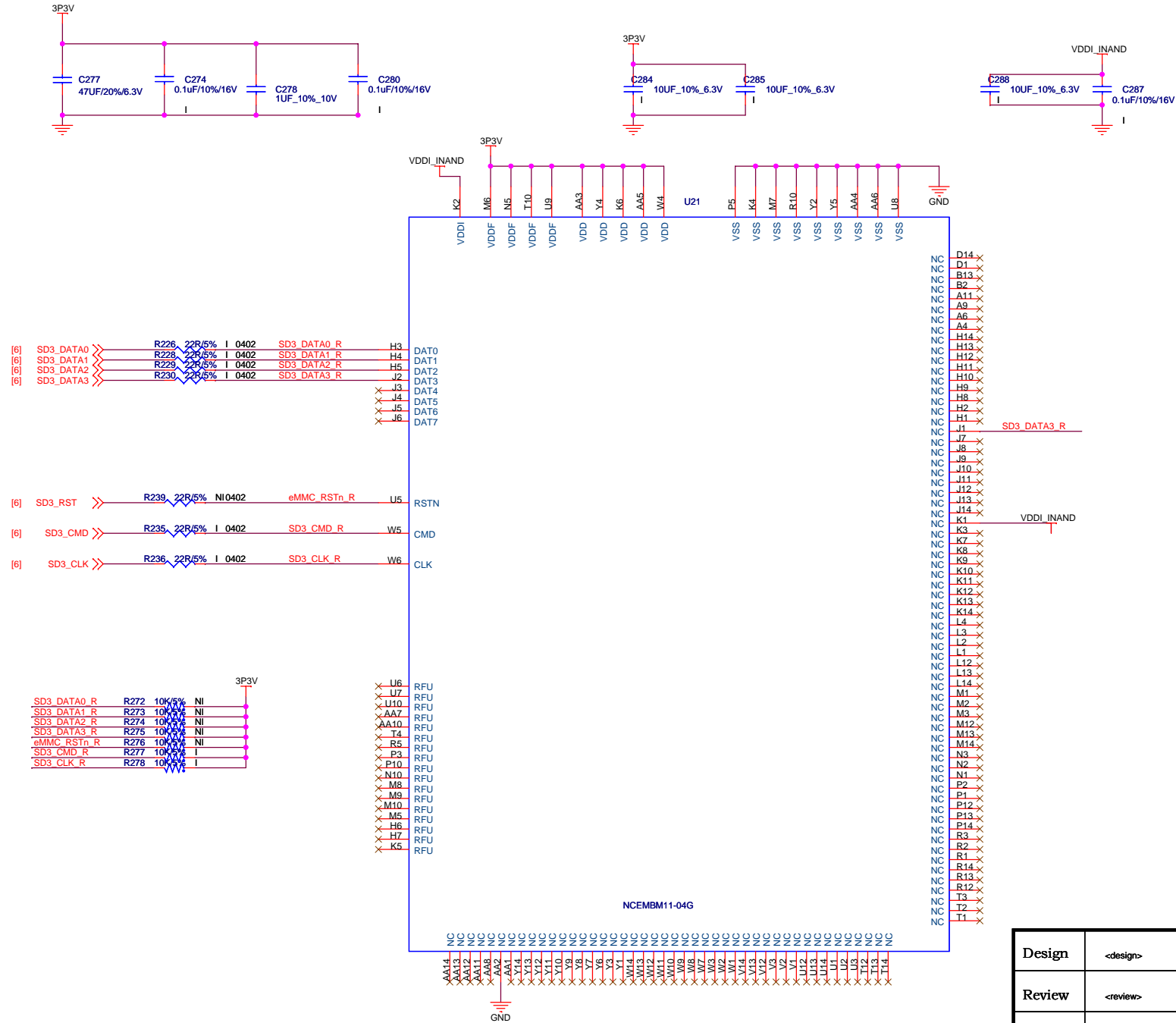


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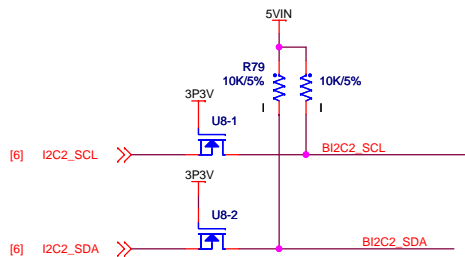
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eMMC

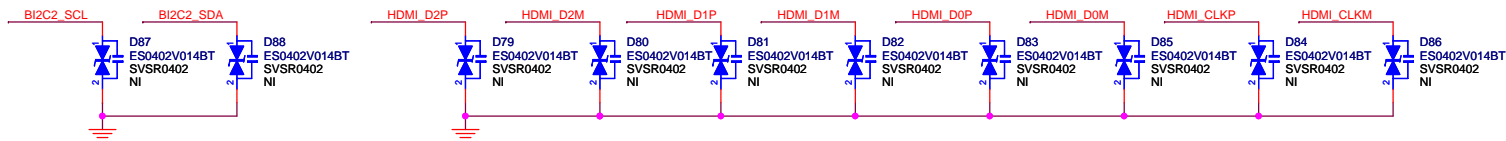
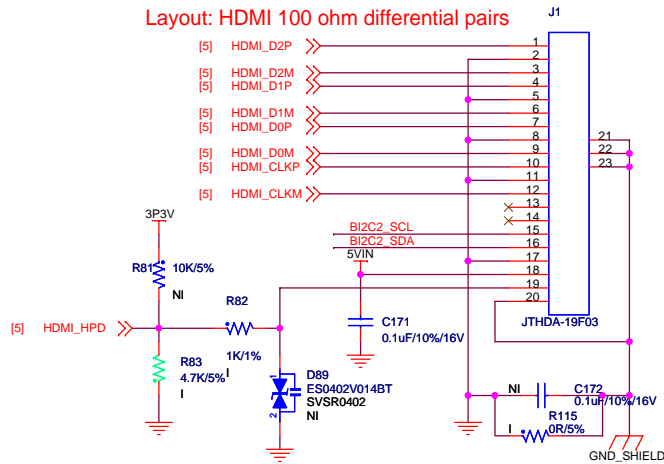


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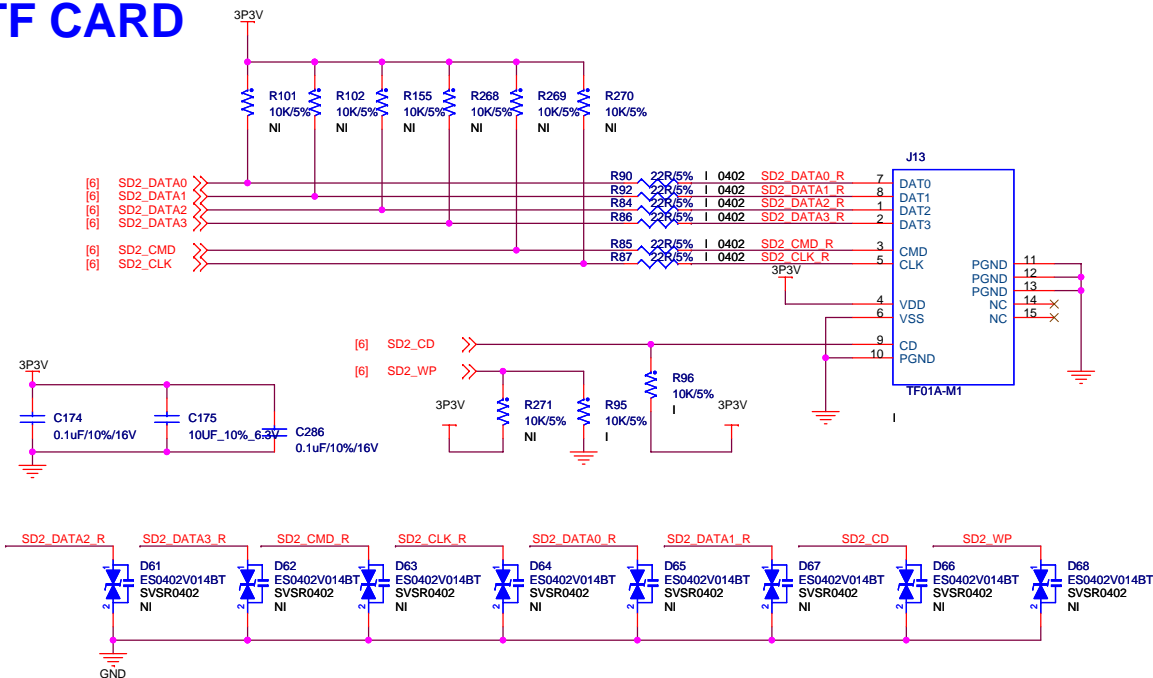
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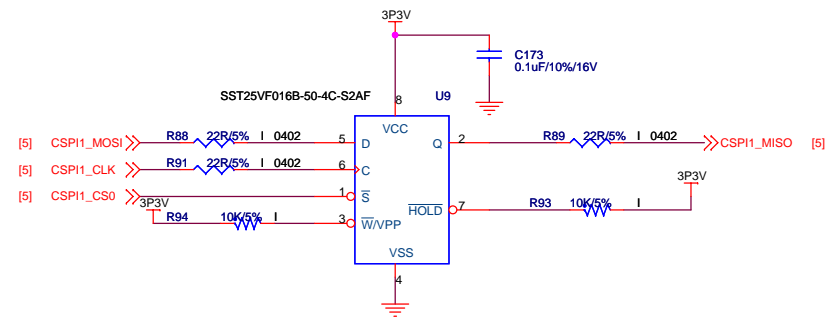
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TF CARD

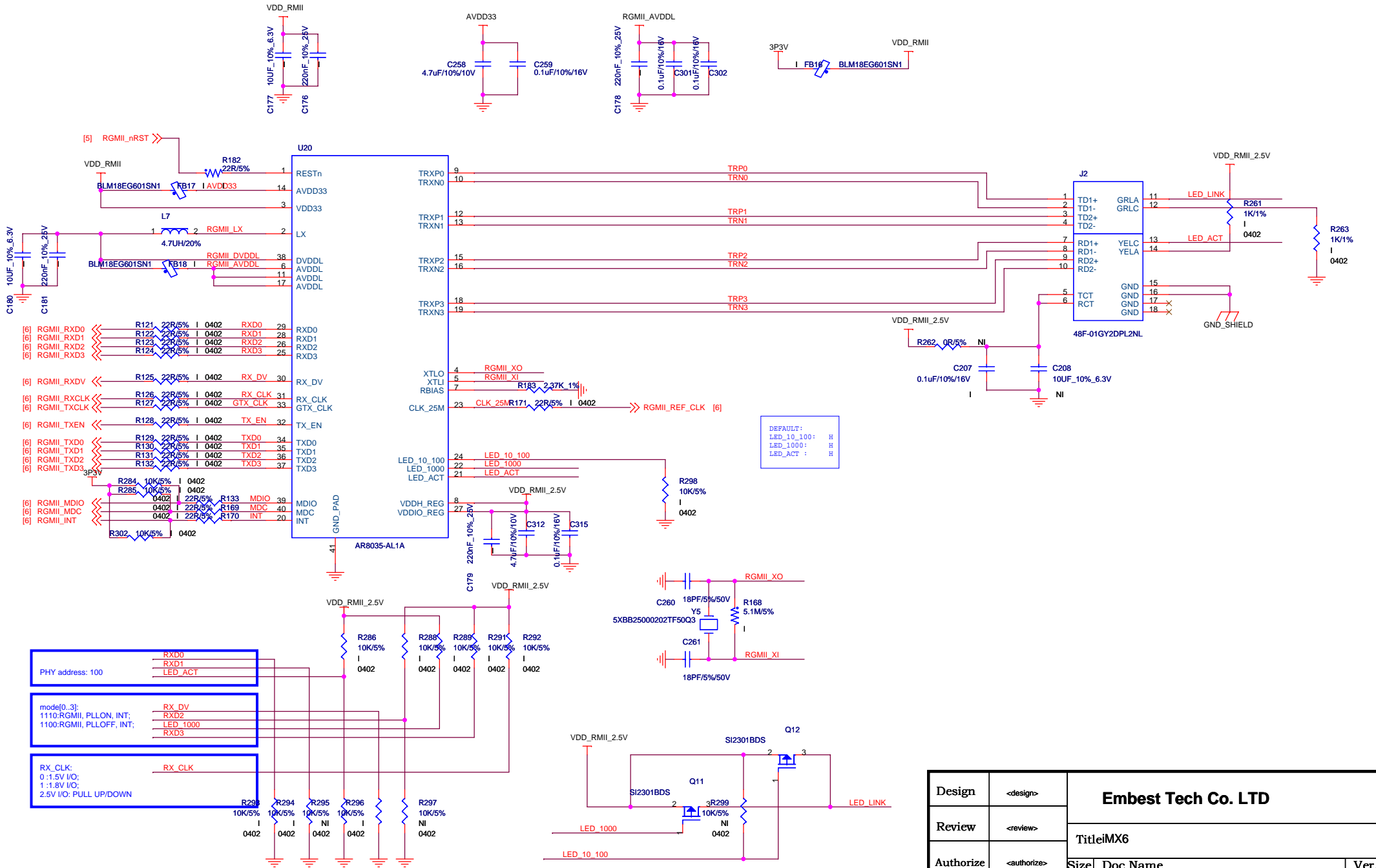


SPI FLASH



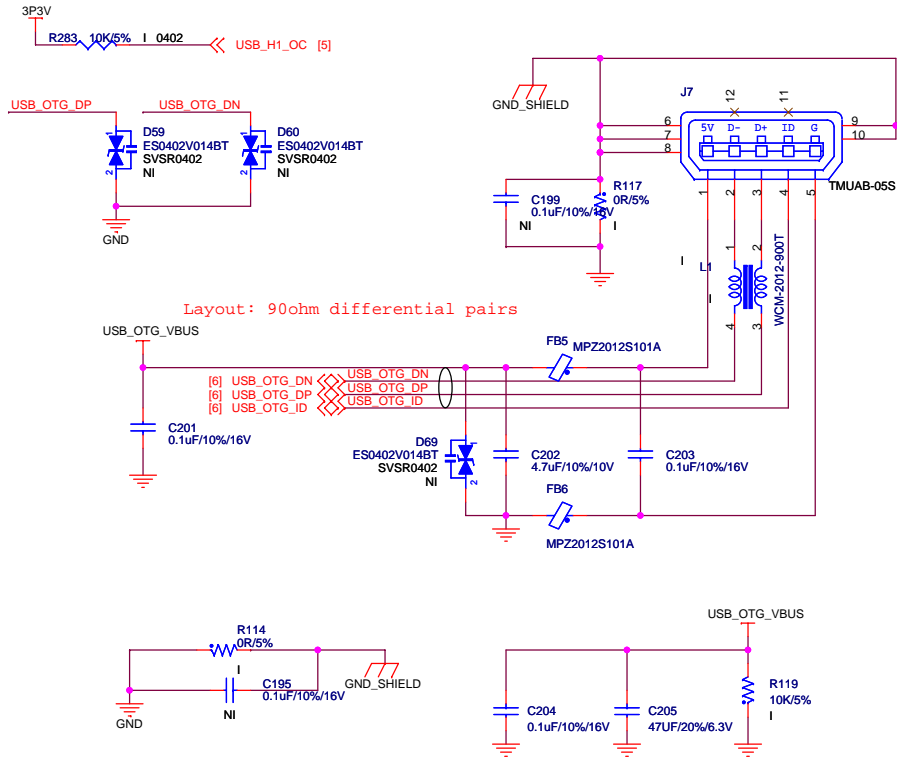
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LAN

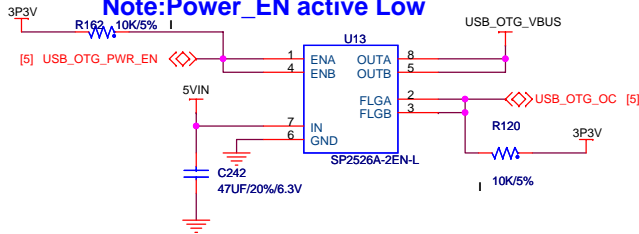


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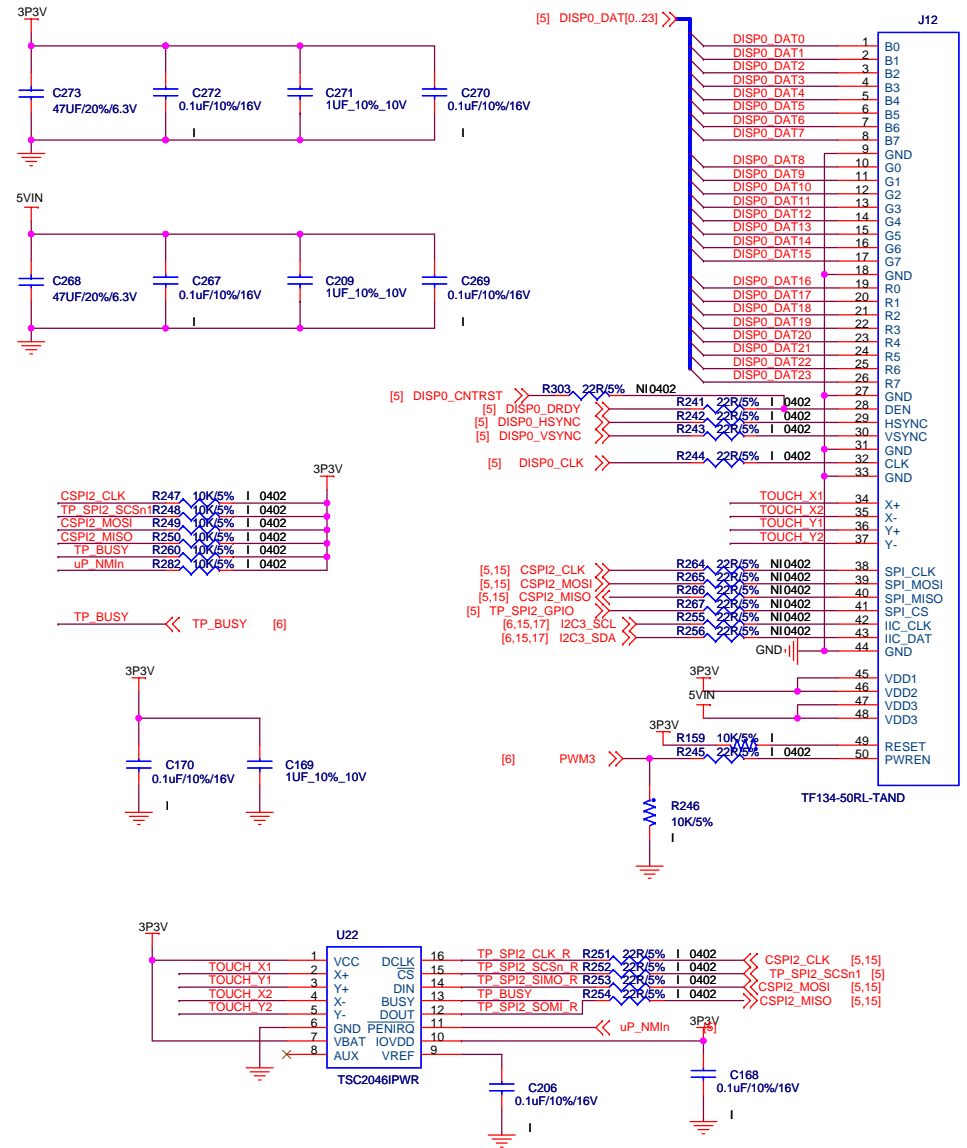
USB OTG



Note: Power_EN active Low



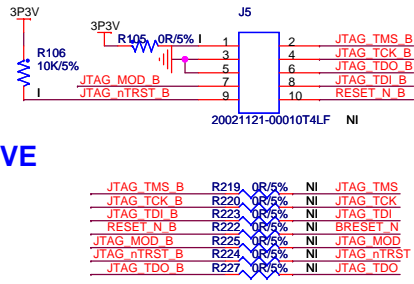
LCD PORT



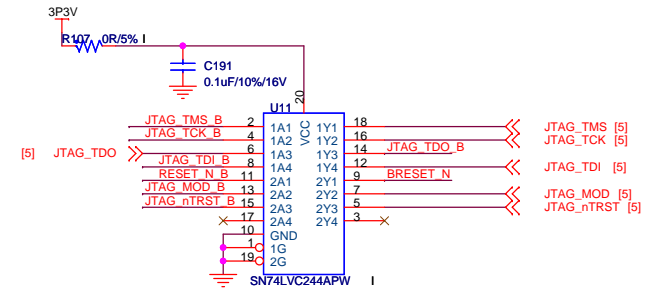
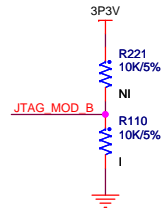
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DEBUG PORT

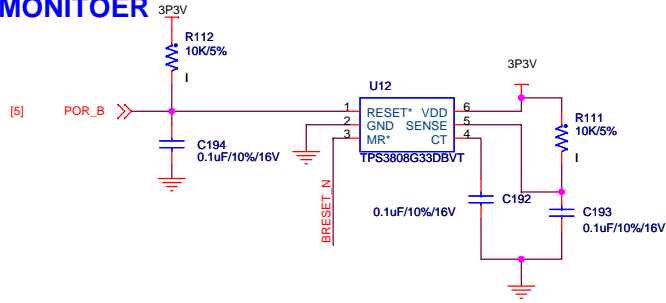
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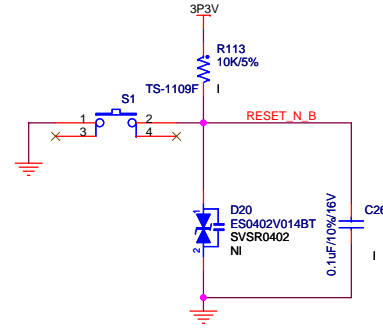
JTAG



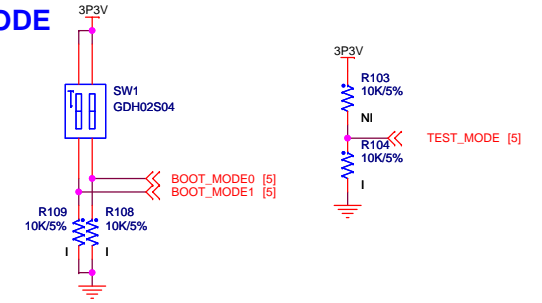
HW MONITOEER



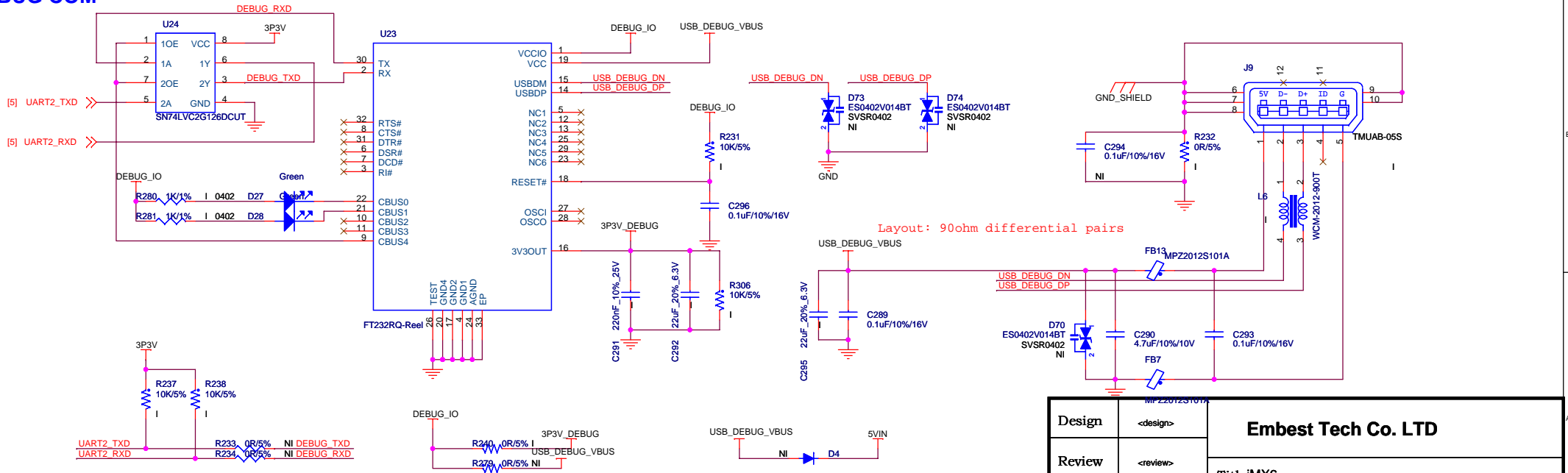
RESET KEY



BOOT MODE



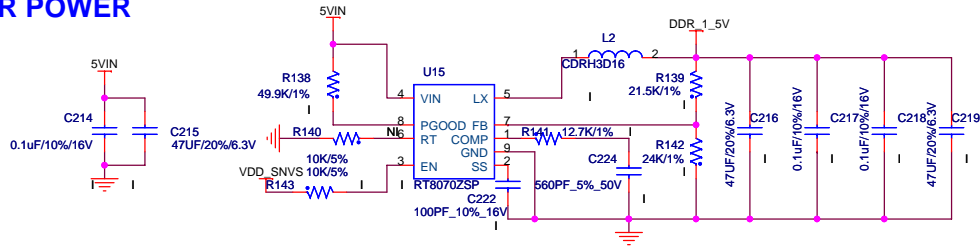
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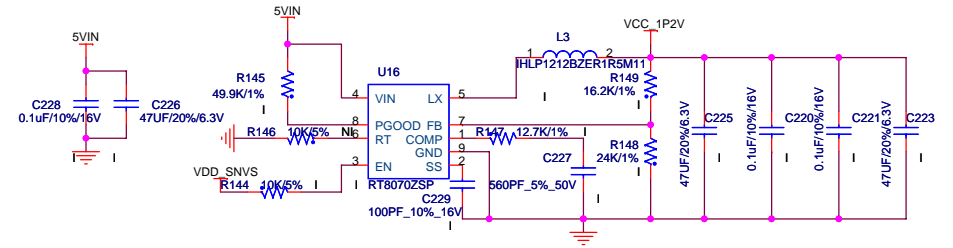
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SYSTEM POWER

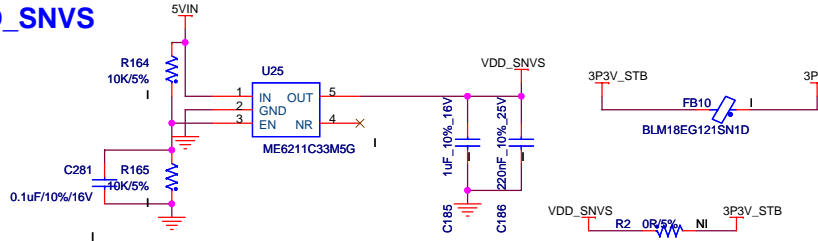
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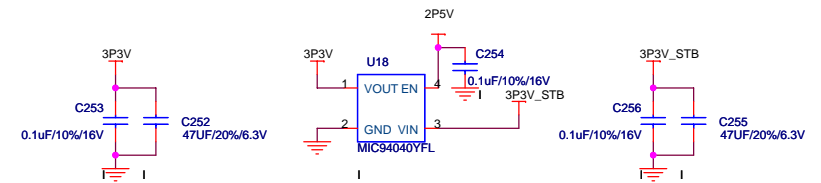
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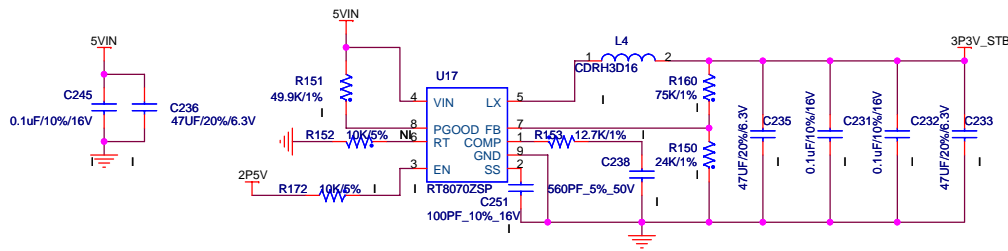
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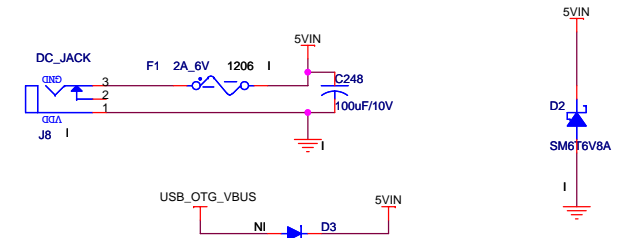
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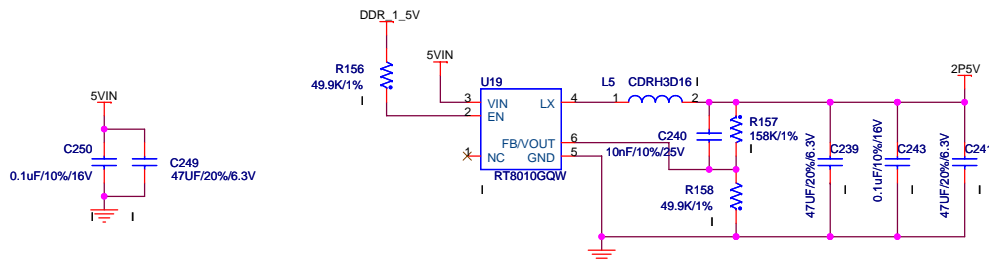
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+5V DC_IN

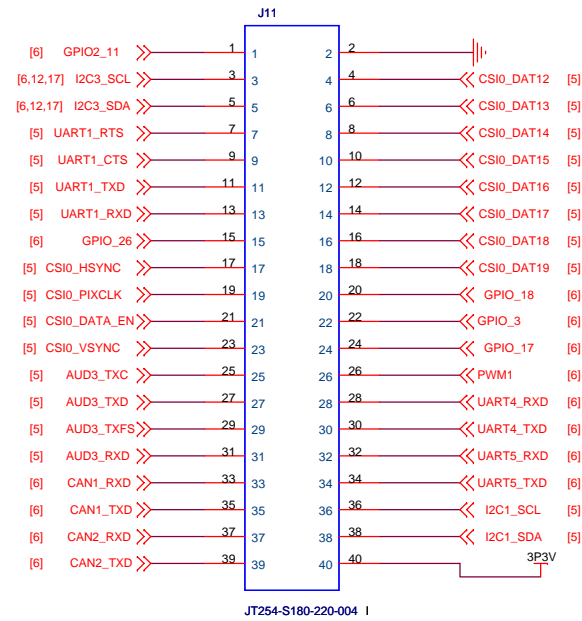
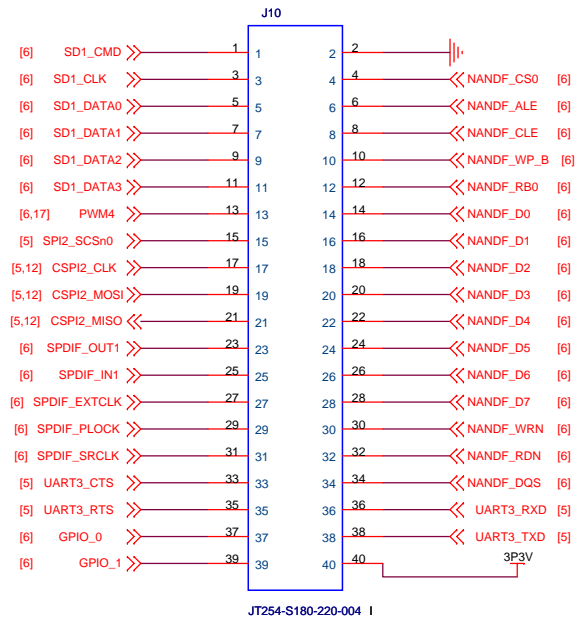


+2P5V

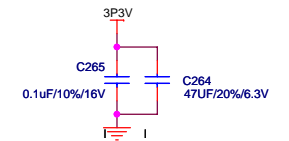
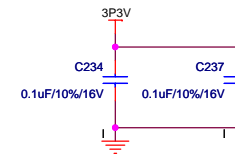
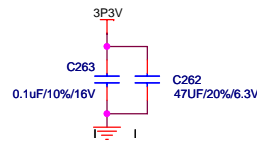
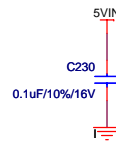
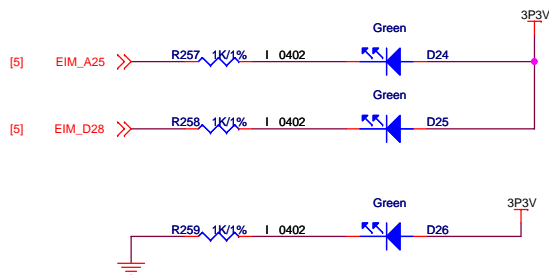


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EXPANTION PORT

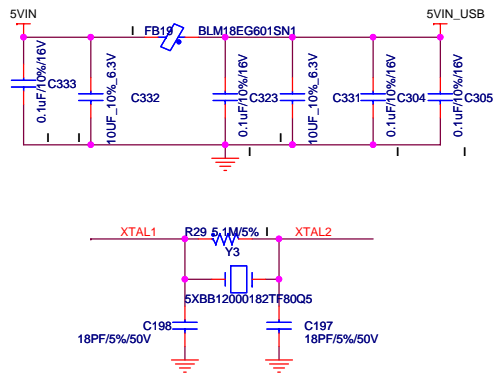
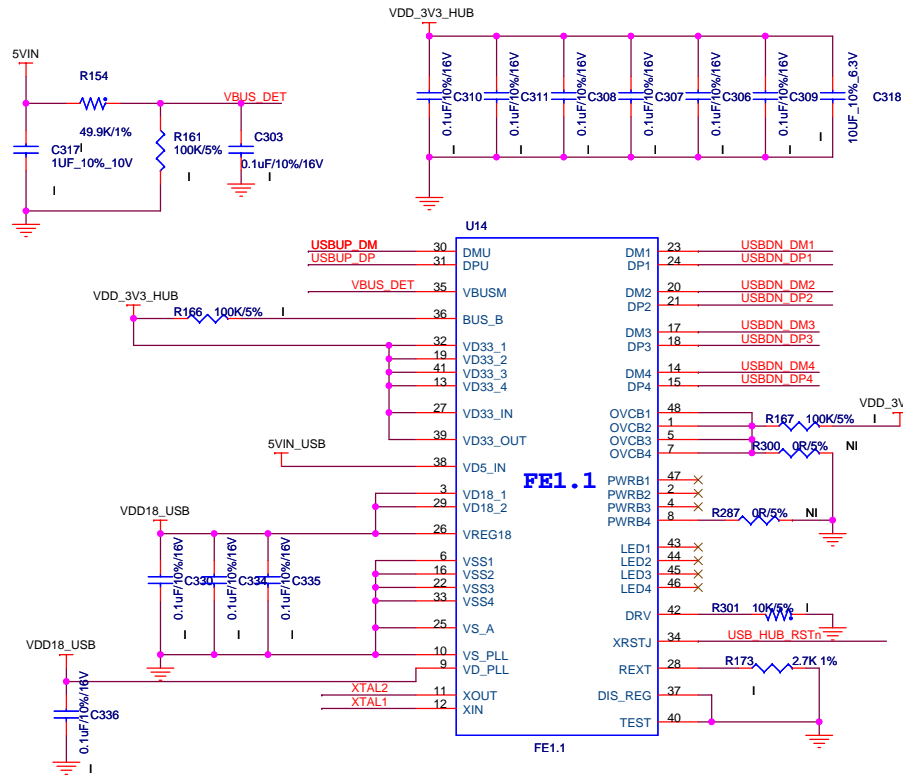


USER LED

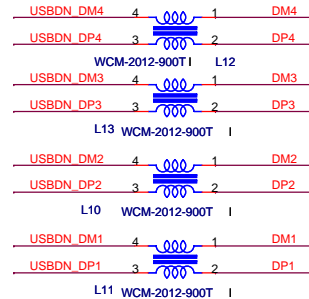


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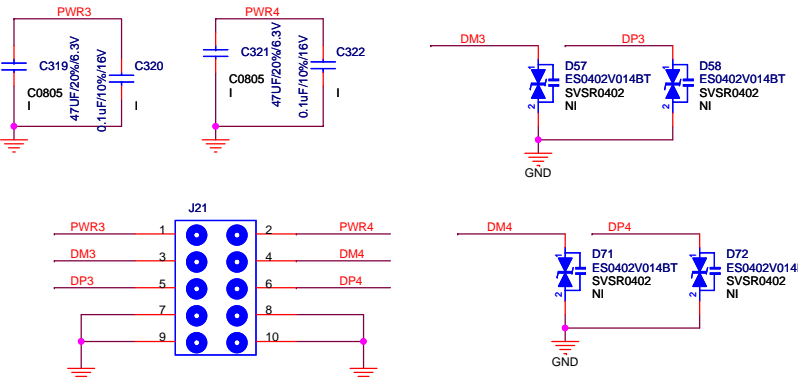
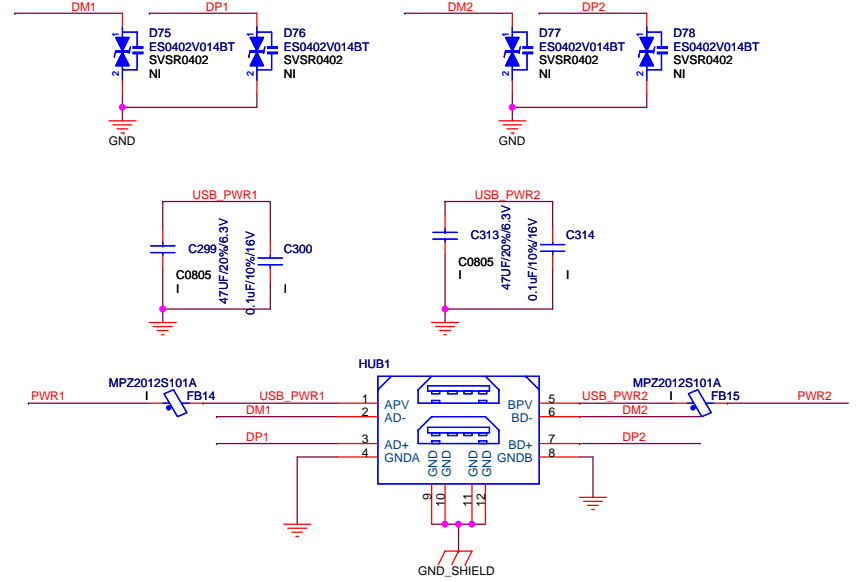
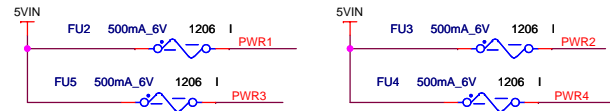
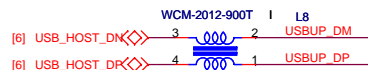
USB HUB



[5] USB_RSTn << R290_0R/5% NI USB_HUB_RSTn

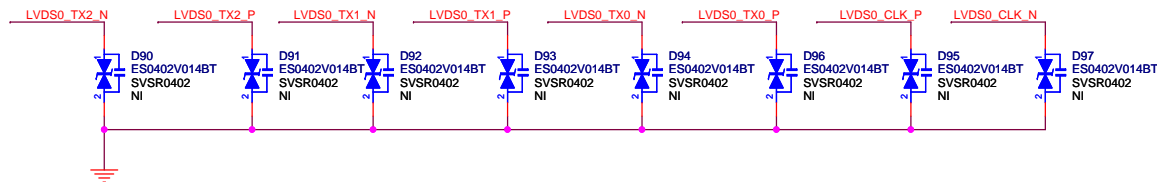
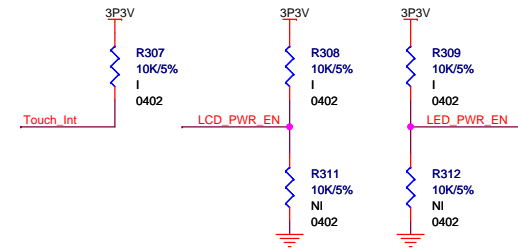
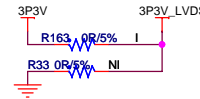
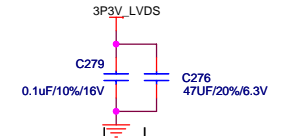
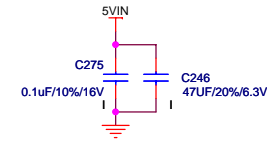
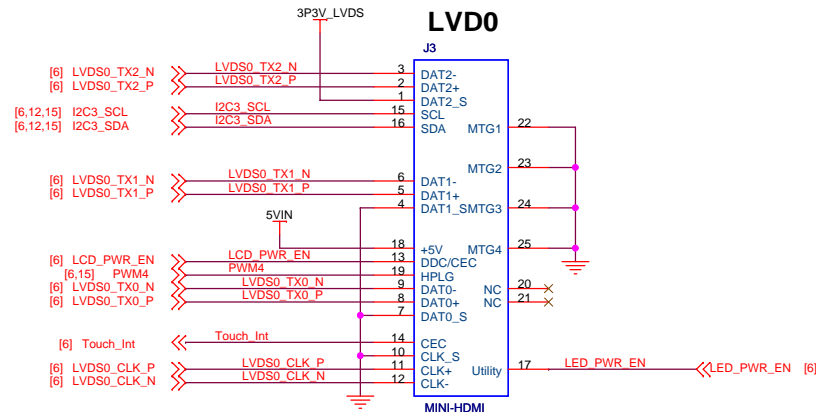


USB Up Stream



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LVDS INTERFACE



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