

MarS Board

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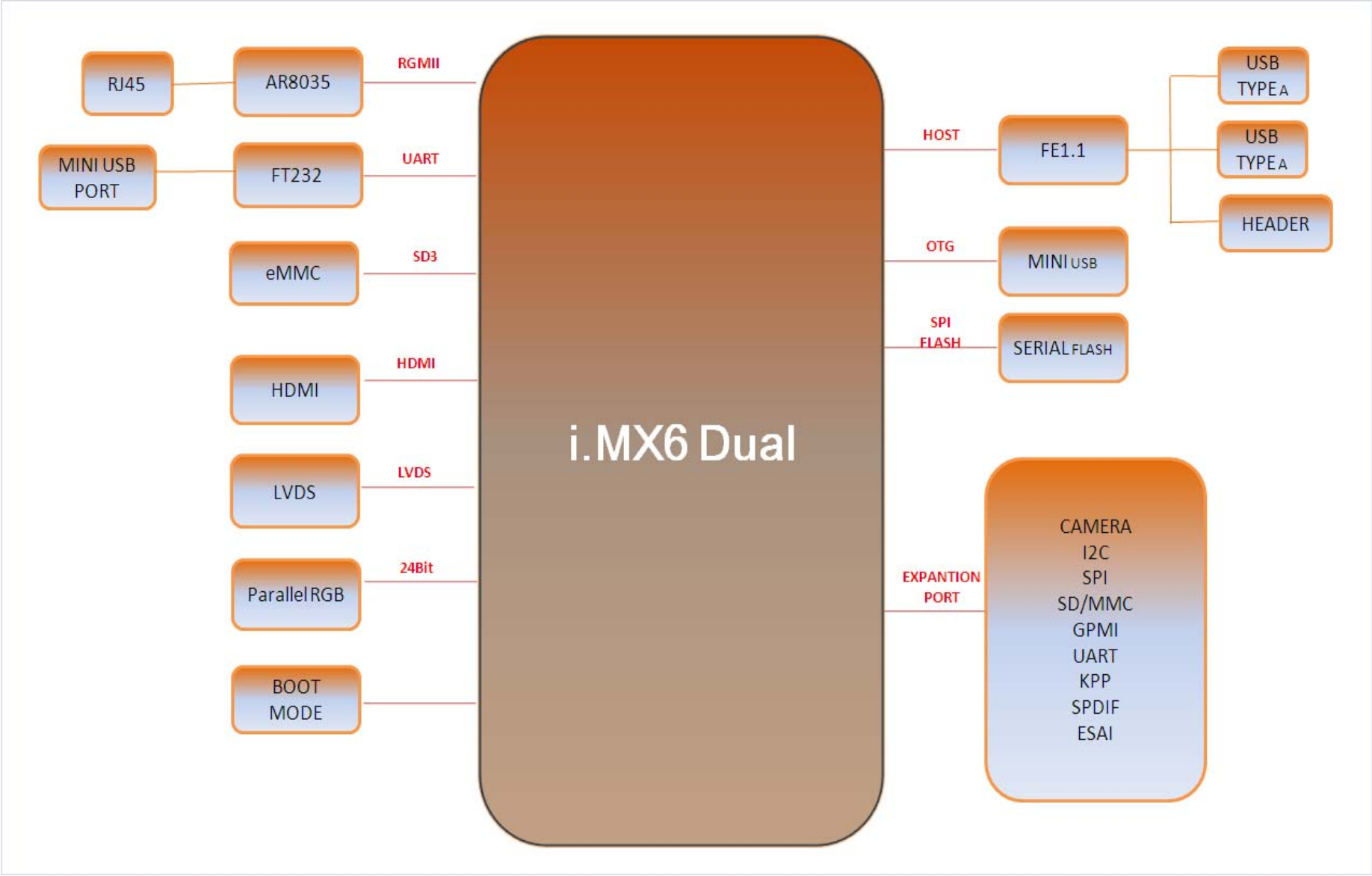
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Schematic History

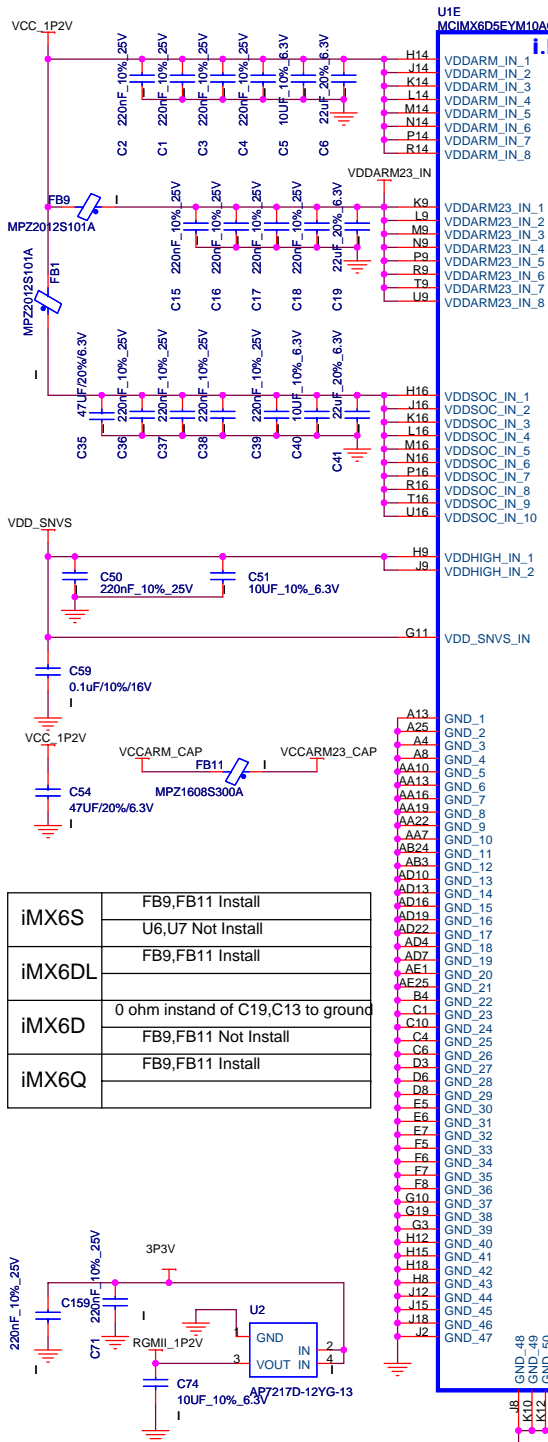
- 2012-12-14
- 1.Add R306 for 3P3V_DEBUG bleeding
- 2013-01-28
- 1.Add LVDS Port

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MarS Board Block



Design	<design>	Embest Info & Tech Co. LTD		
Review	<review>	Title iMX6		
Authorize	<authorize>	Size	Doc Name	Ver.
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		Date	Friday, March 15, 2013	Sheet 3 of 17



i.MX6D - POWER

U1E
MCIMX6DS5YM10AC

- VDDARM_IN_1
- VDDARM_IN_2
- VDDARM_IN_3
- VDDARM_IN_4
- VDDARM_IN_5
- VDDARM_IN_6
- VDDARM_IN_7
- VDDARM_IN_8

- VDDARM23_IN_1
- VDDARM23_IN_2
- VDDARM23_IN_3
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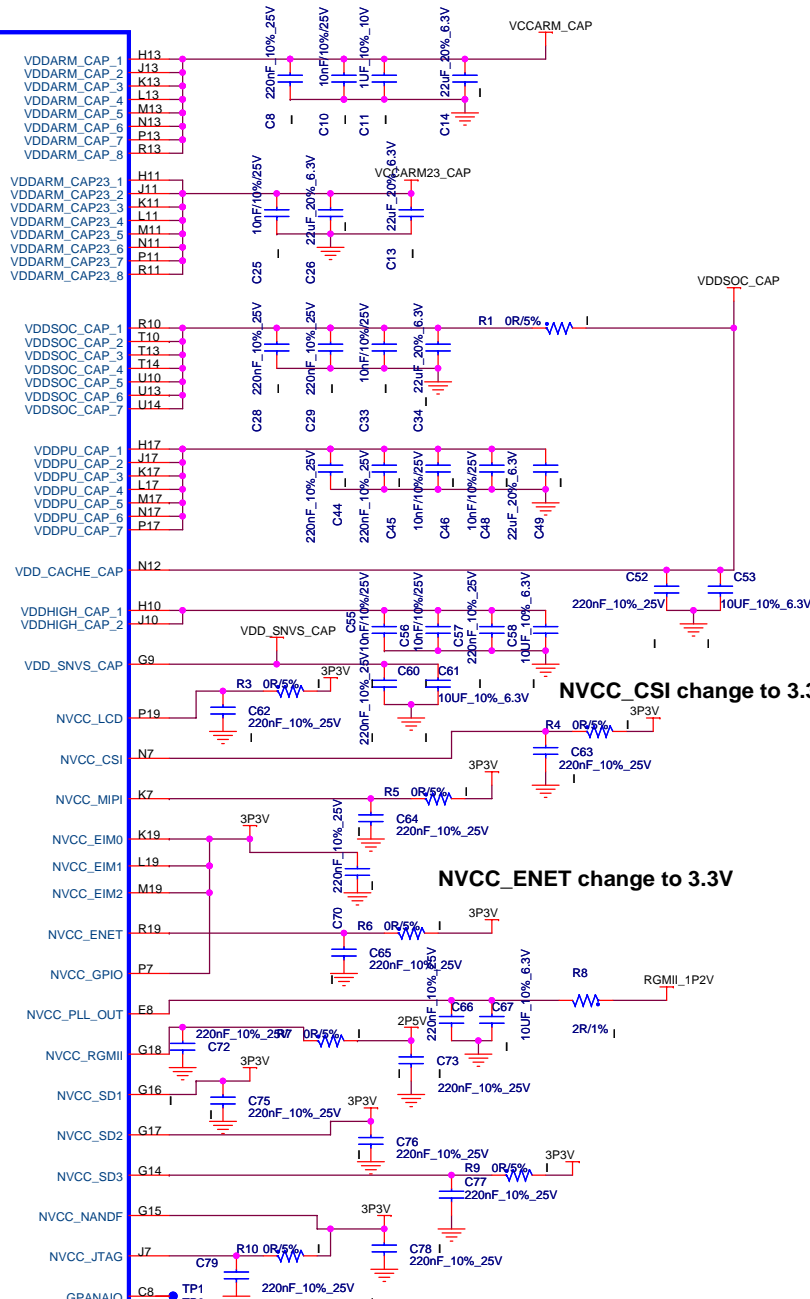
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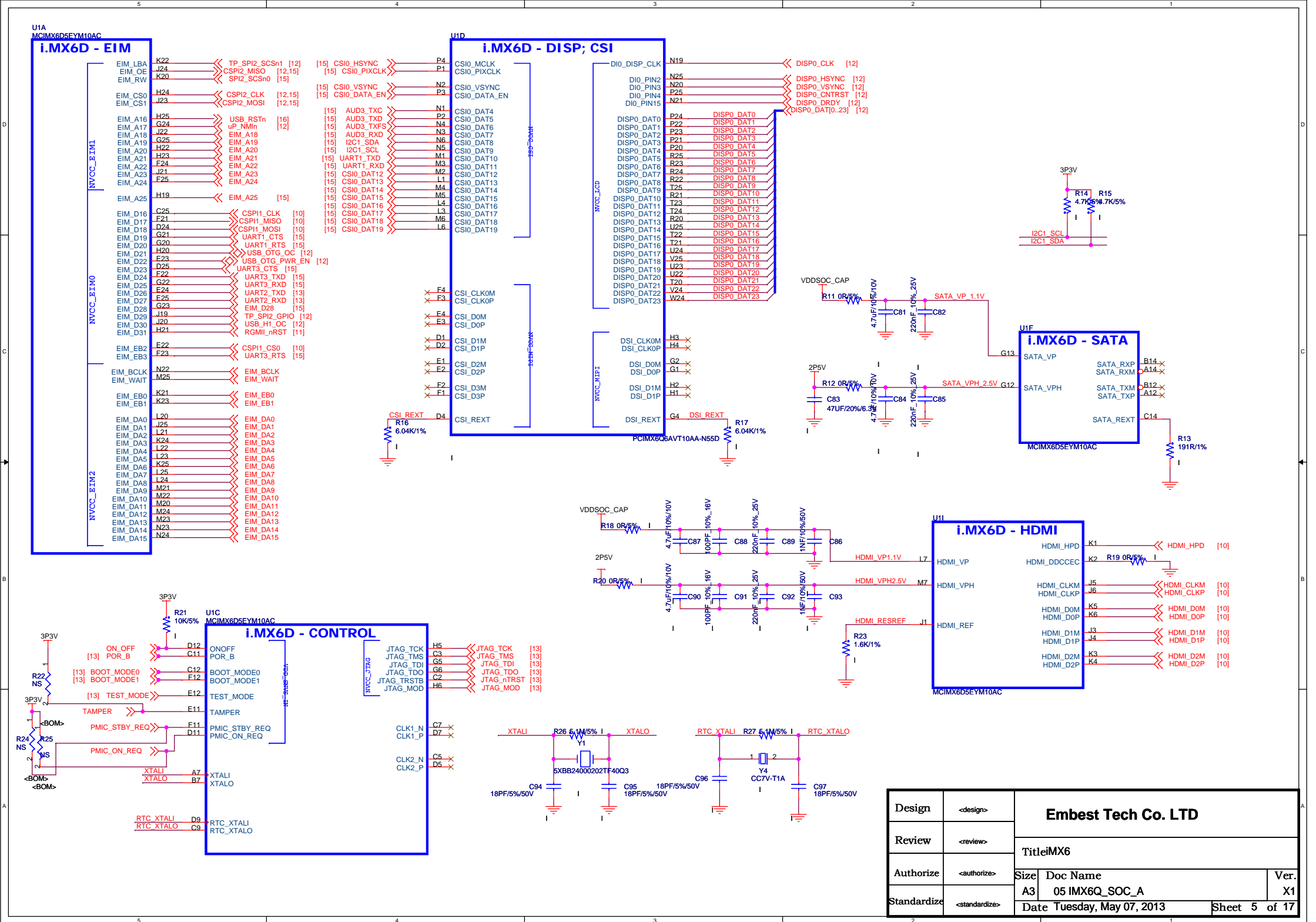
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- VDDHIGH_IN_2

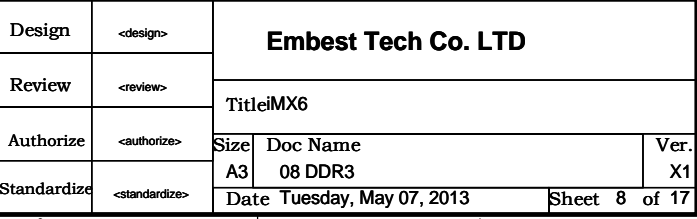
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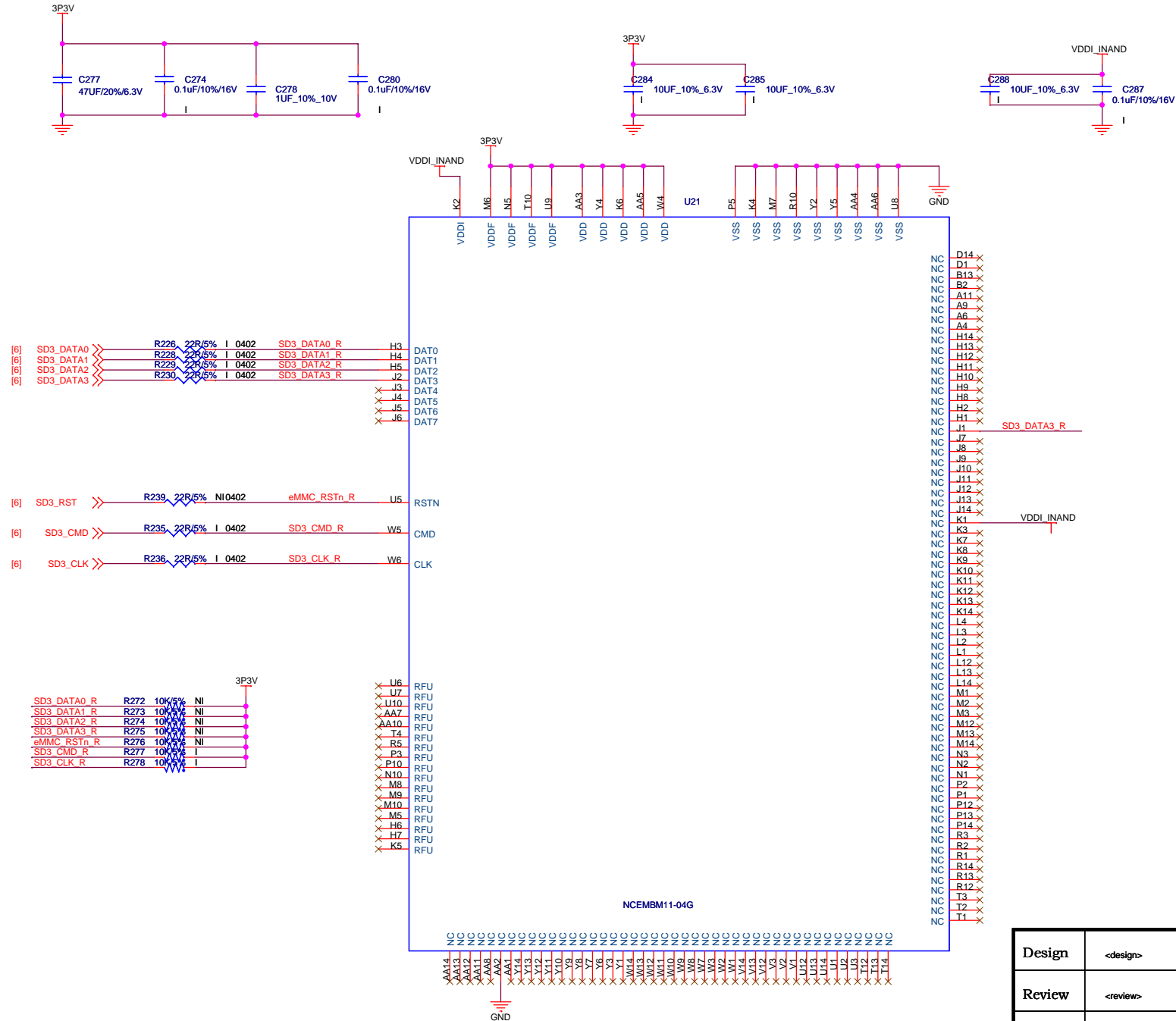
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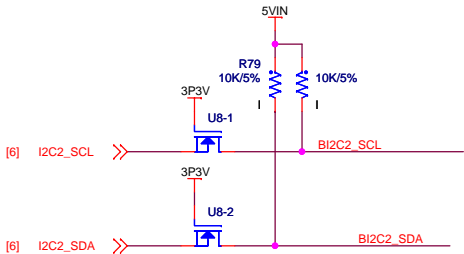


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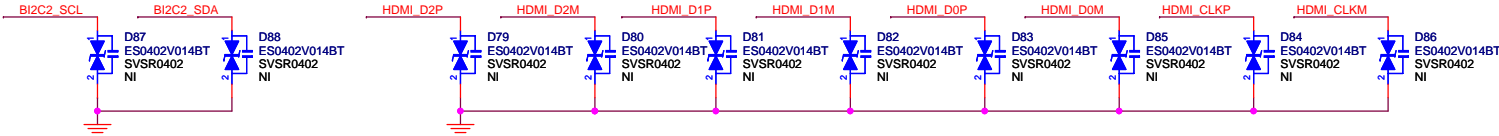
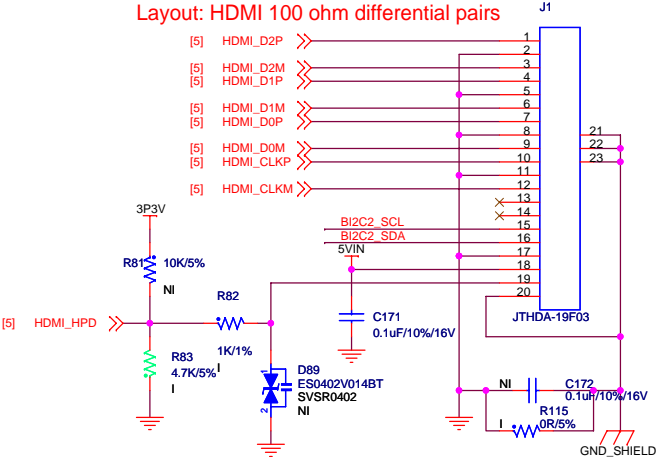


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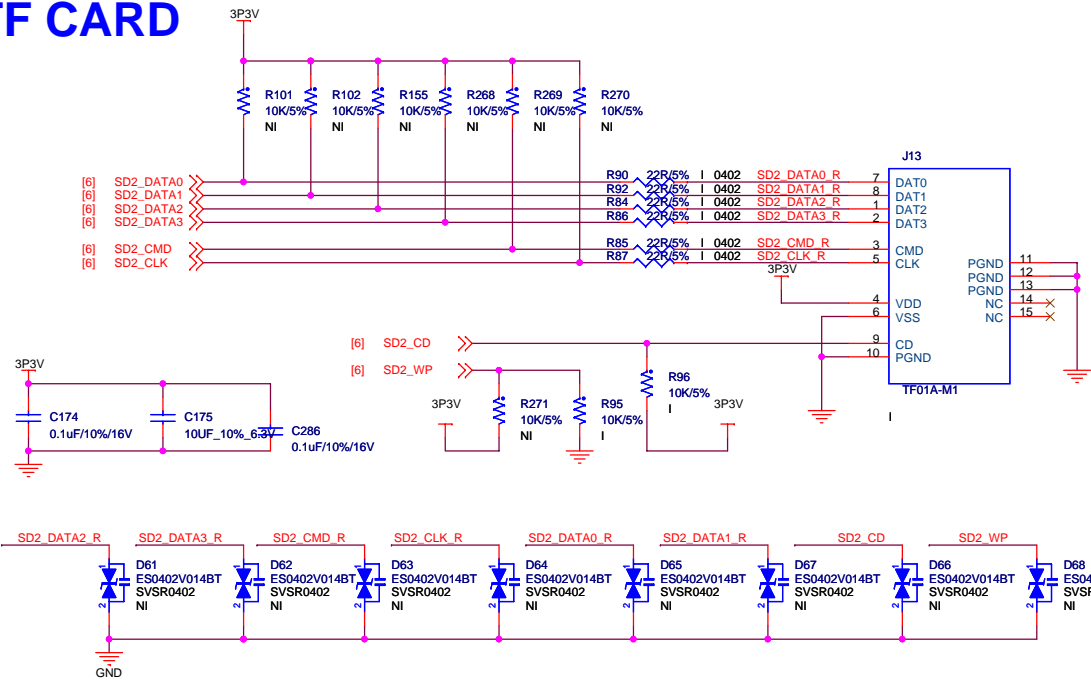
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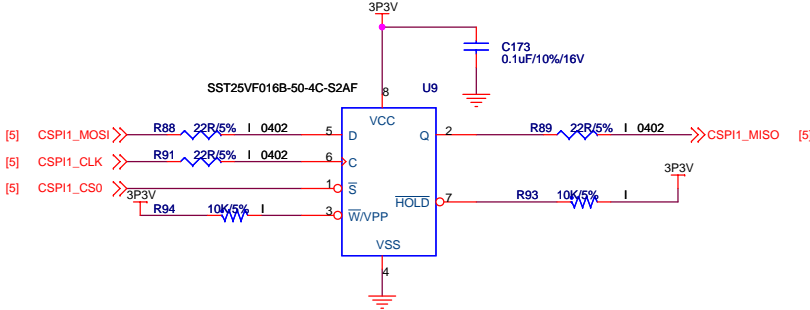
Layout: HDMI 100 ohm differential pairs



TF CARD

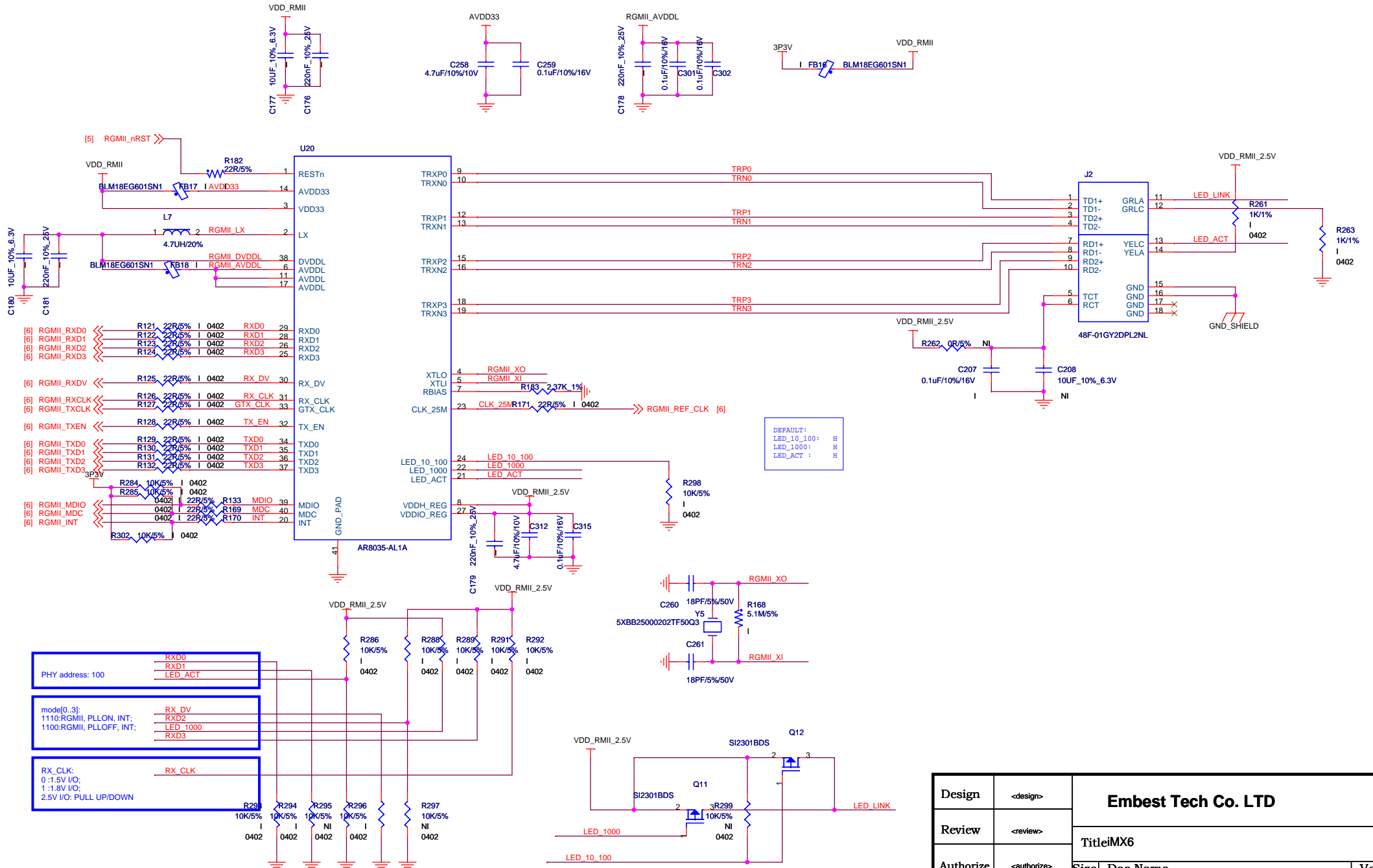


SPI FLASH



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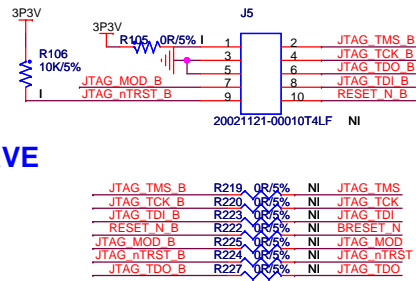
LAN



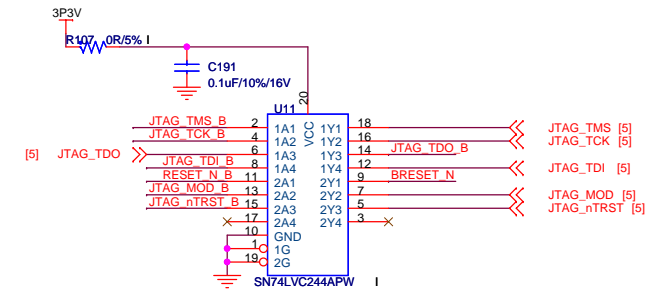
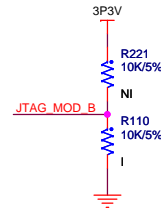
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DEBUG PORT

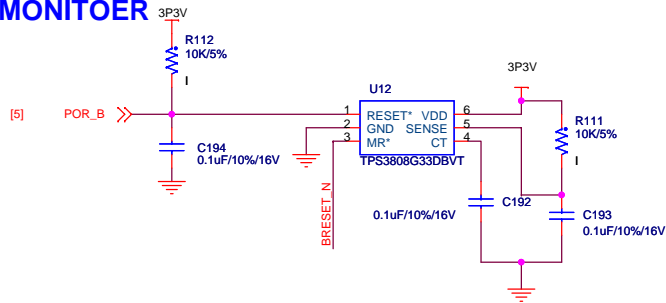
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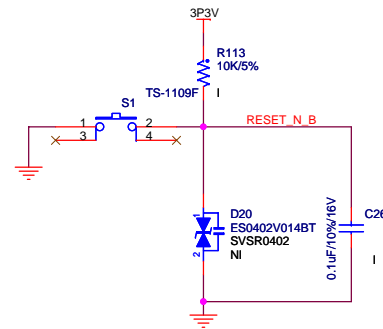
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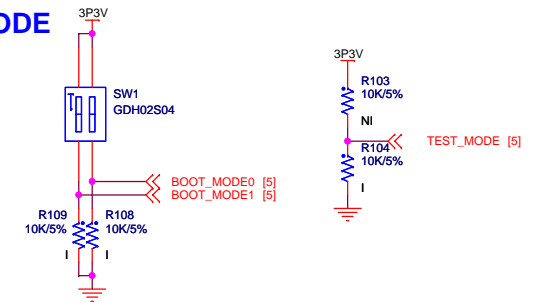
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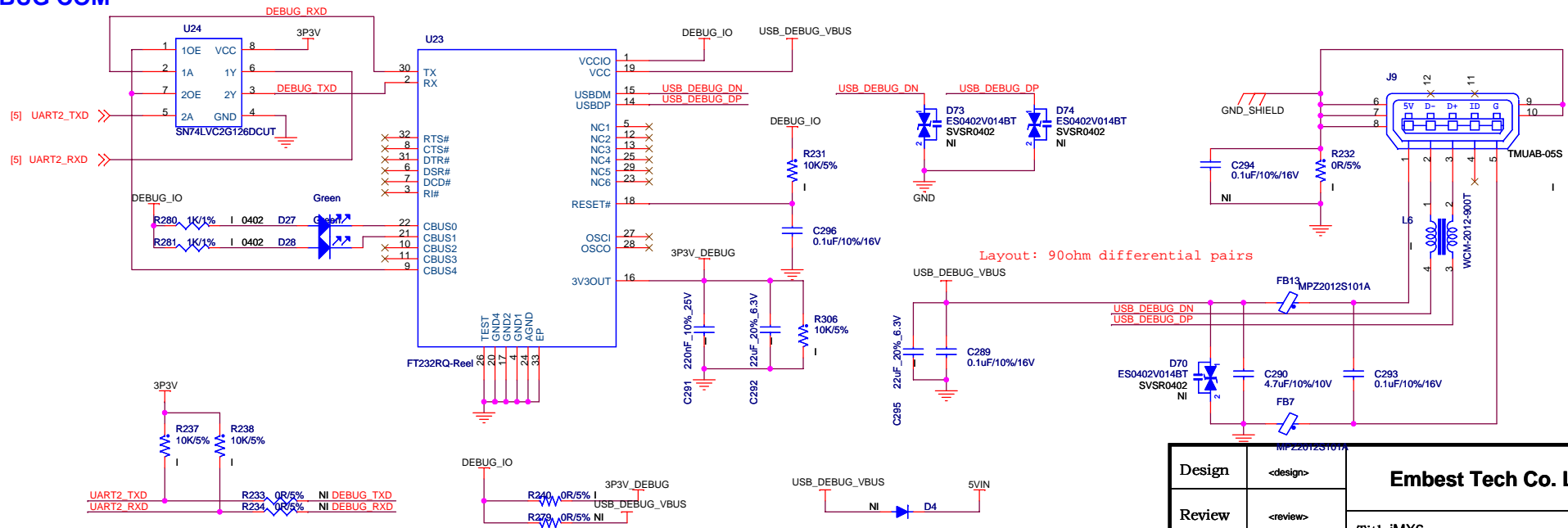
RESET KEY



BOOT MODE



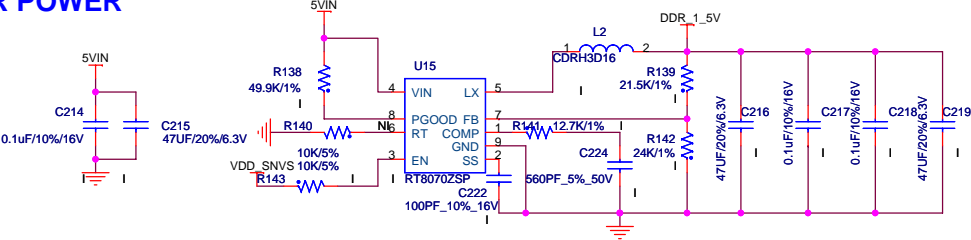
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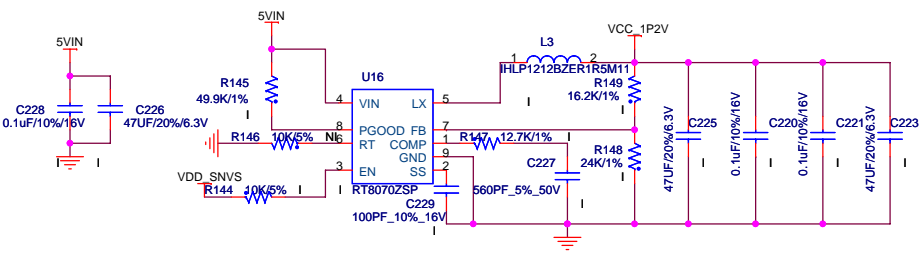
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SYSTEM POWER

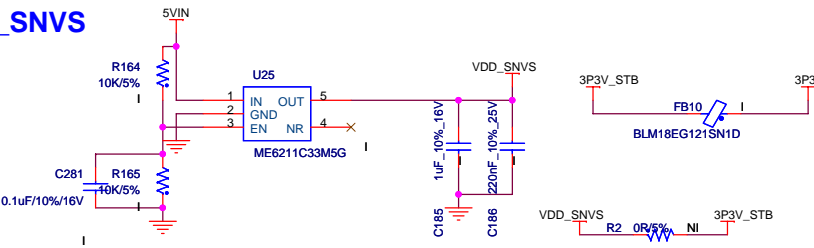
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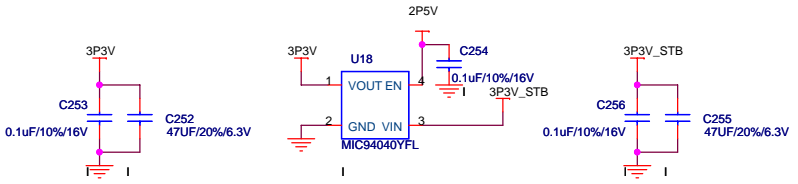
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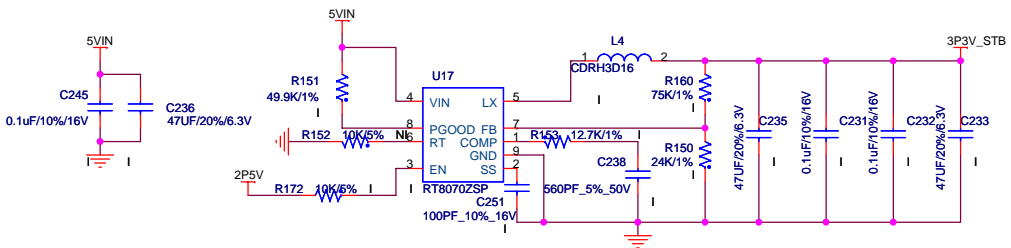
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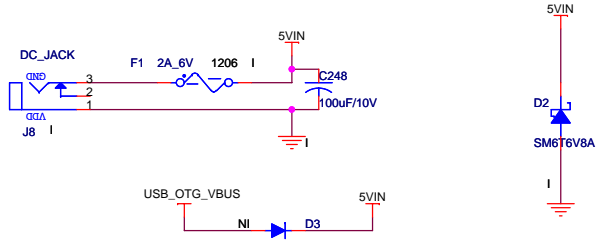
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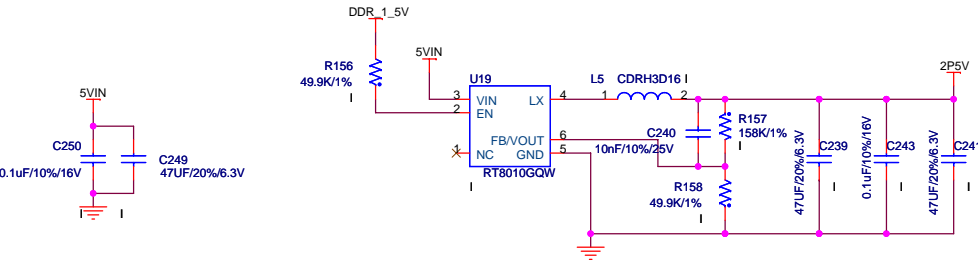
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+5V DC_IN

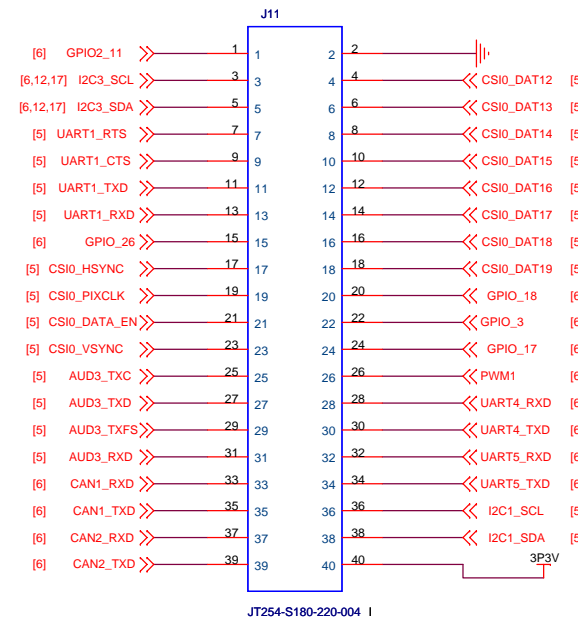
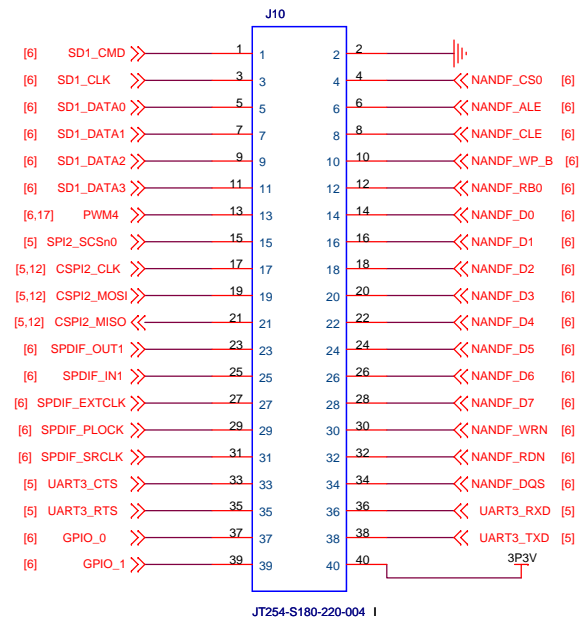


+2P5V

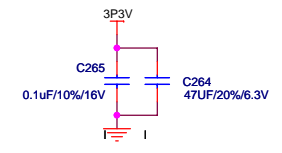
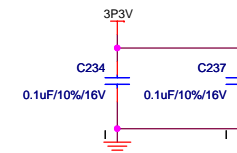
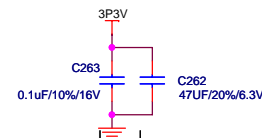
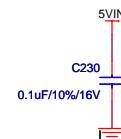
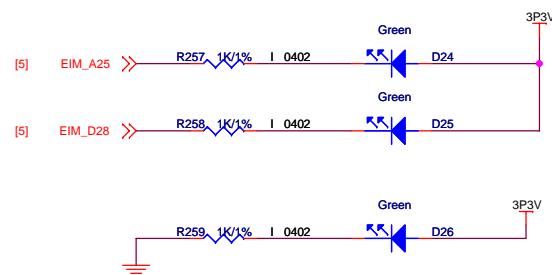


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EXPANTION PORT

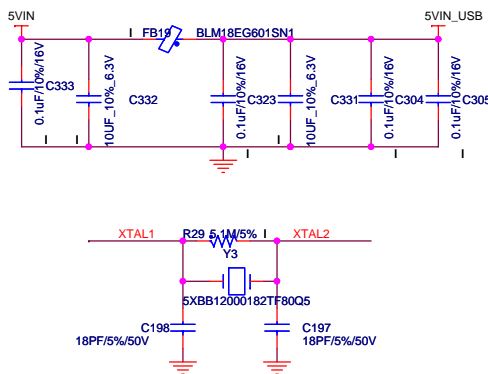
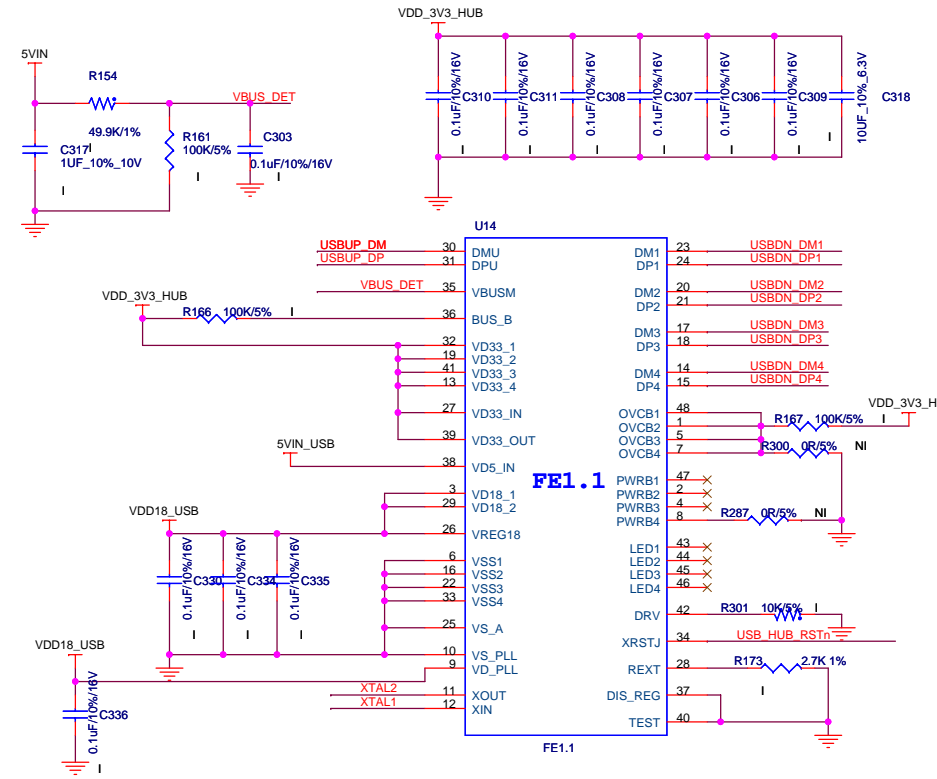


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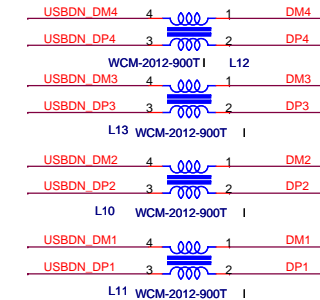


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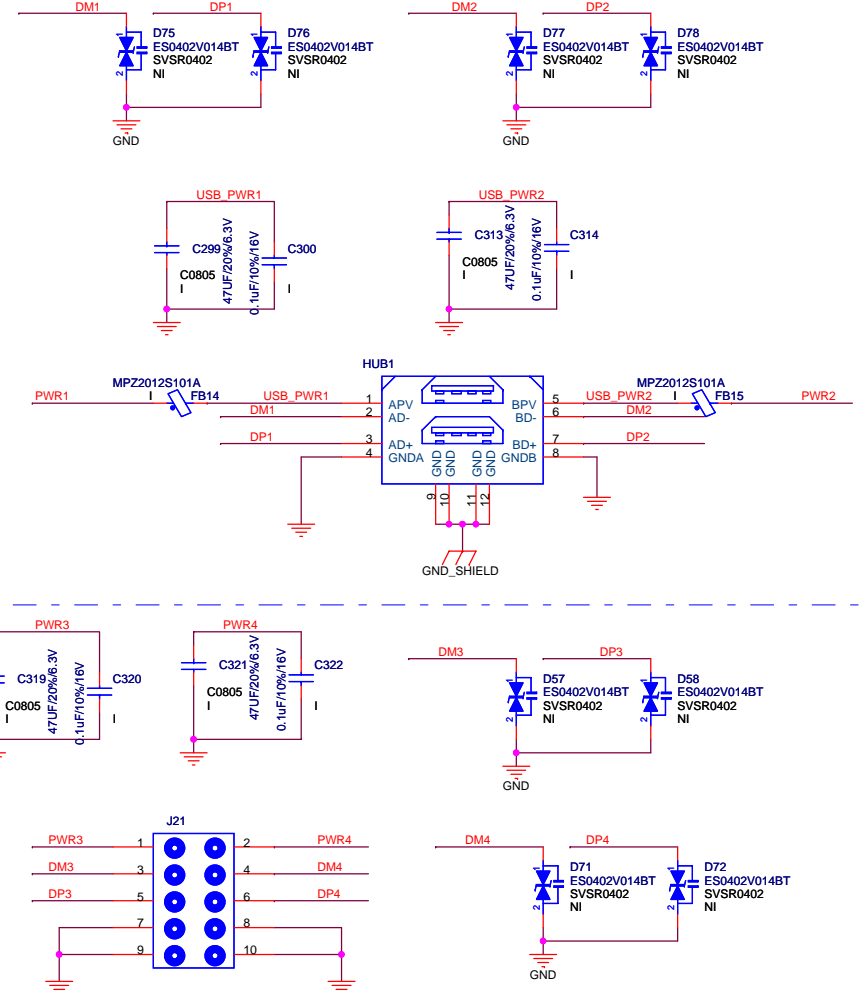
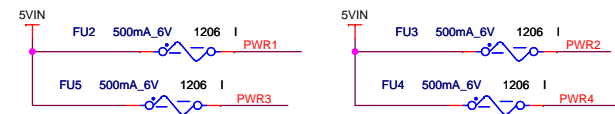
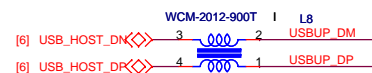
USB HUB



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

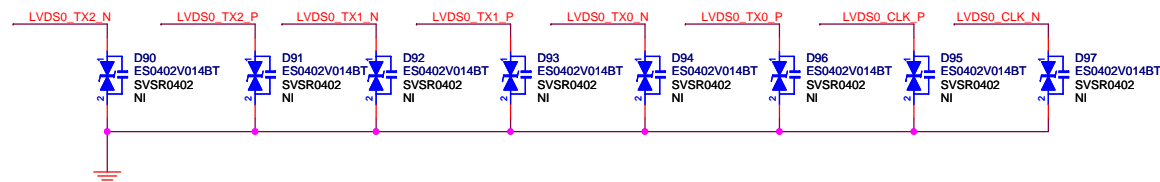
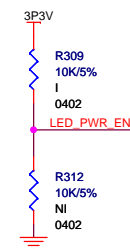
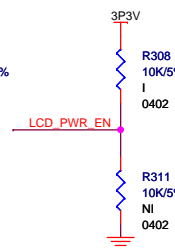
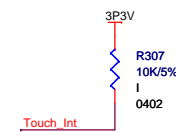
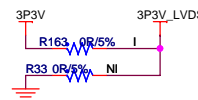
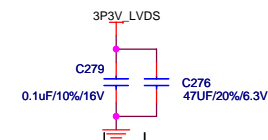
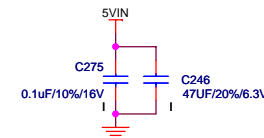
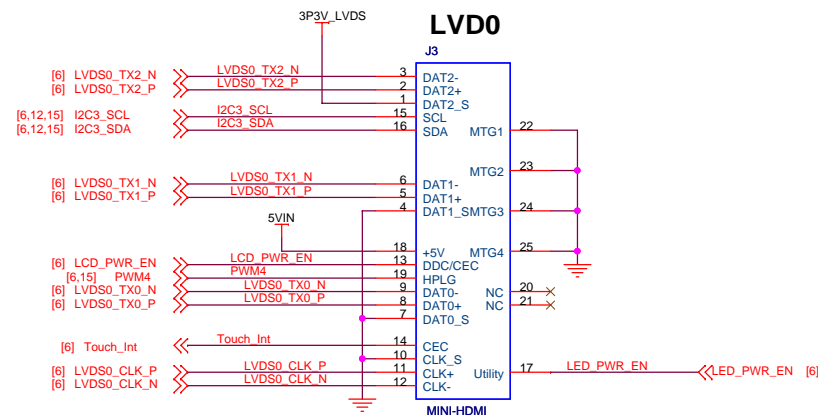


USB Up Stream



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		Date: Tuesday, May 07, 2013		Sheet: 16 of 17

LVDS INTERFACE



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