

REVISION HISTORY

IF IN DOUBT ASK

31 October 2013

0. Initial Release

08 September 2014

1. Schematic library

- Micro SD card logo has been embedded to the component symbol in the schematic library.
- Ceramic capacitors "X7R 10nF 50V 10% 0402" and "X7R 100nF 50V 10% 0402" have been added to the schematic library.

2. All schematic pages

- Schematic page template has been updated.
- "Port Cross Reference" has been added to the project.

3. Power switch schematic page

- Capacitor C46 voltage rating has been updated from 25V to 50V.

4. LVDS schematic page

- Capacitor C101 voltage rating has been updated from 16V to 50V.

5. PCIe Express schematic page

- Net name has been updated from PCIE_WWLAN# to PCIE_WWAN#.

6. SD card schematic page

- Conenctor X10 has been updated with Micro SD card logo embedded component symbol in the schematic page.

07 April 2015

7. SATA schematic page

- The NOTE 1 has been added to the schematic page: "NOTE 1: Mini PCIe connector schematic symbol is used in the schematic for the mSATA connector (X23), as Mini PCIe and mSATA use the same physical connector. It is important to note that the mSATA interface specifies the RX+ signal on pin 23 and RX- signal on pin 25, whereas the Mini PCIe Card features the RX+ signal on pin 25 and RX- on pin 23. The PCIe interface supports polarity reversal, but not the SATA interface. Since the Mini PCIe connector pin names doesn't match with the mSATA signals, the situation might be confusing. Special attention must be paid while reading or connecting the mSATA signals. "

8. Power Supply schematic page

- Mechanical components part number have been made visible.

09 February 2016

9. Ixora schematic library

- Display name for pins 23, 25, 31, and 33 have been updated in the component "CON-Molex-67910-5700"

10. SATA and PCI_Express schematic pages

- Connector X23 and X25 schematic symbols have been updated.

15 June 2016

11. Power Switch Schematic page

- The NOTE 2 has been added to the schematic page: "NOTE 2: Ixora Carrier Board V1.0A, 3.3V output power supply is designed for 15W (max). Please check if the available power is enough for the Apalis module of your choice. E.g. Apalis TK1 exceeds this under heavy load."

12. SD Card Schematic page

- The NOTE 3 has been added to the schematic page: "NOTE 3: Ixora Carrier Board V1.0A, SD Card isn't compatible with the Apalis TK1 V1.0x versions."



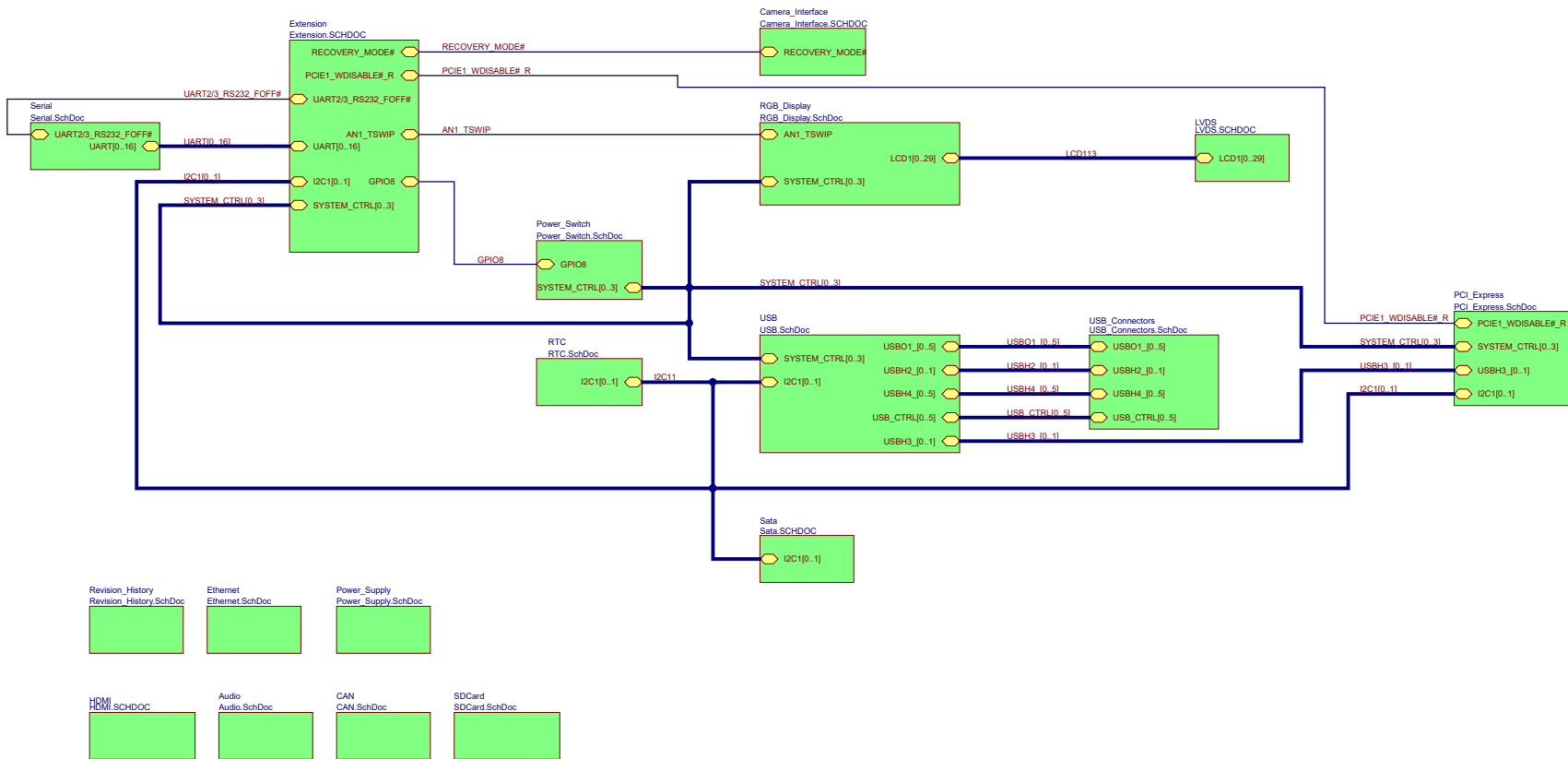
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Size: A3	Number:1.	Revision:V1.0	
Date: 6/15/2016	Time: 6:30:59 PM	Sheet 1 of 19	
File: Revision History SchDoc			

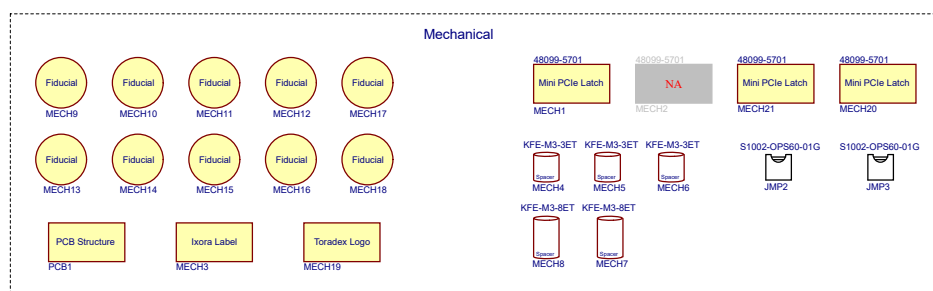
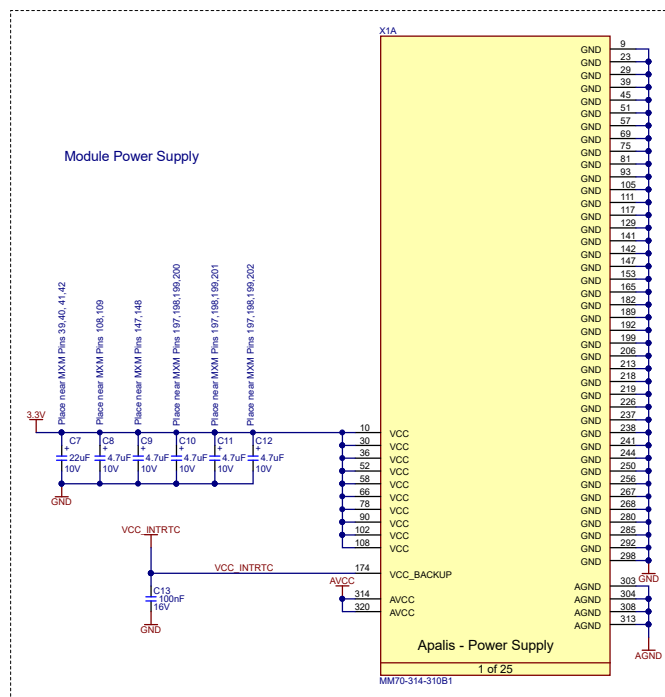
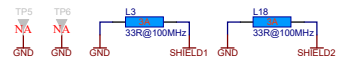
A

B

C

D



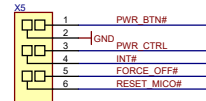
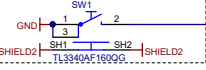


Push Button Controller

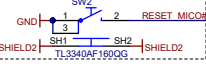
Always ON Jumper



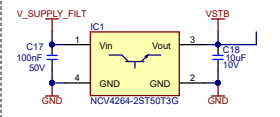
Power Button



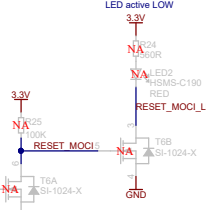
Reset Button



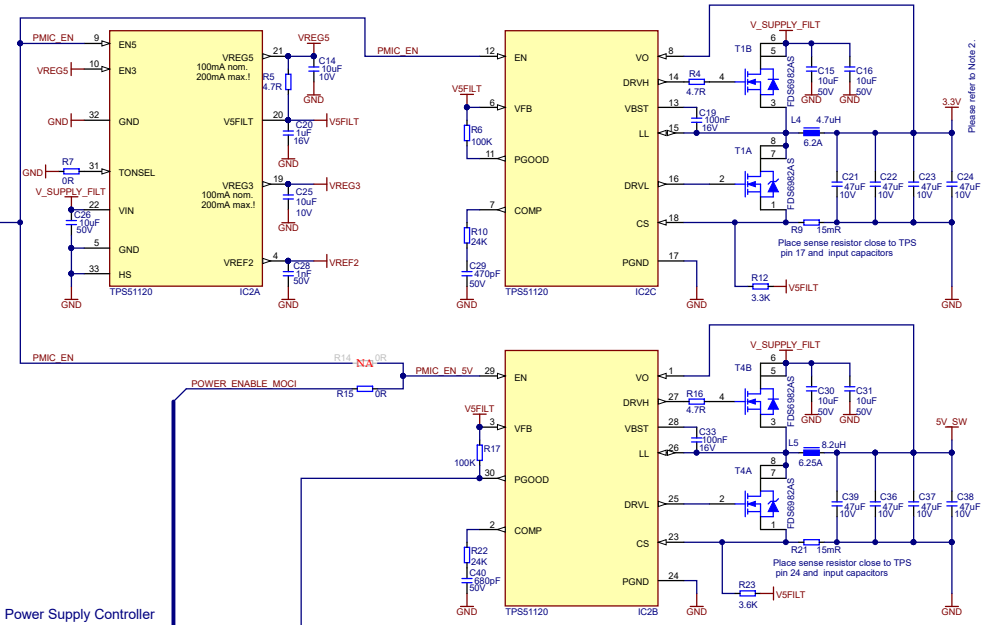
Standby Voltage LDO



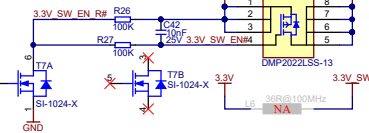
Reset LED



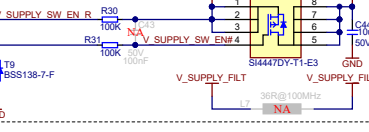
Power Supply Controller



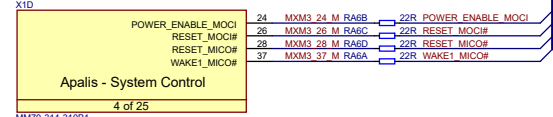
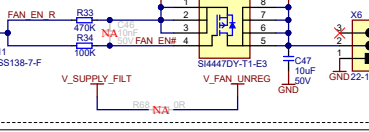
3.3V_SW CTRL



V_SUPPLY_FILT_SW CTRL



FAN CTRL



MM70-314-310B1

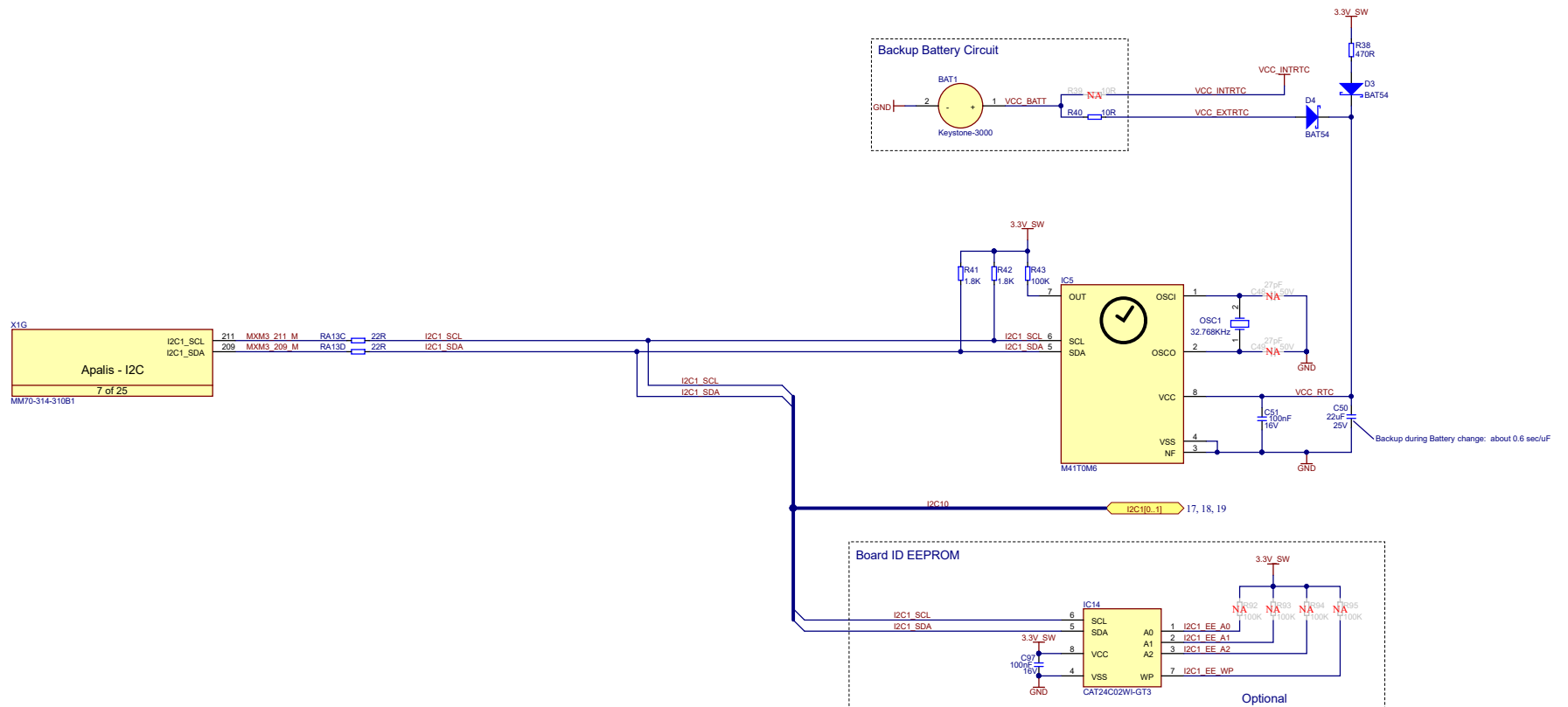
GPIO8 GPIO8

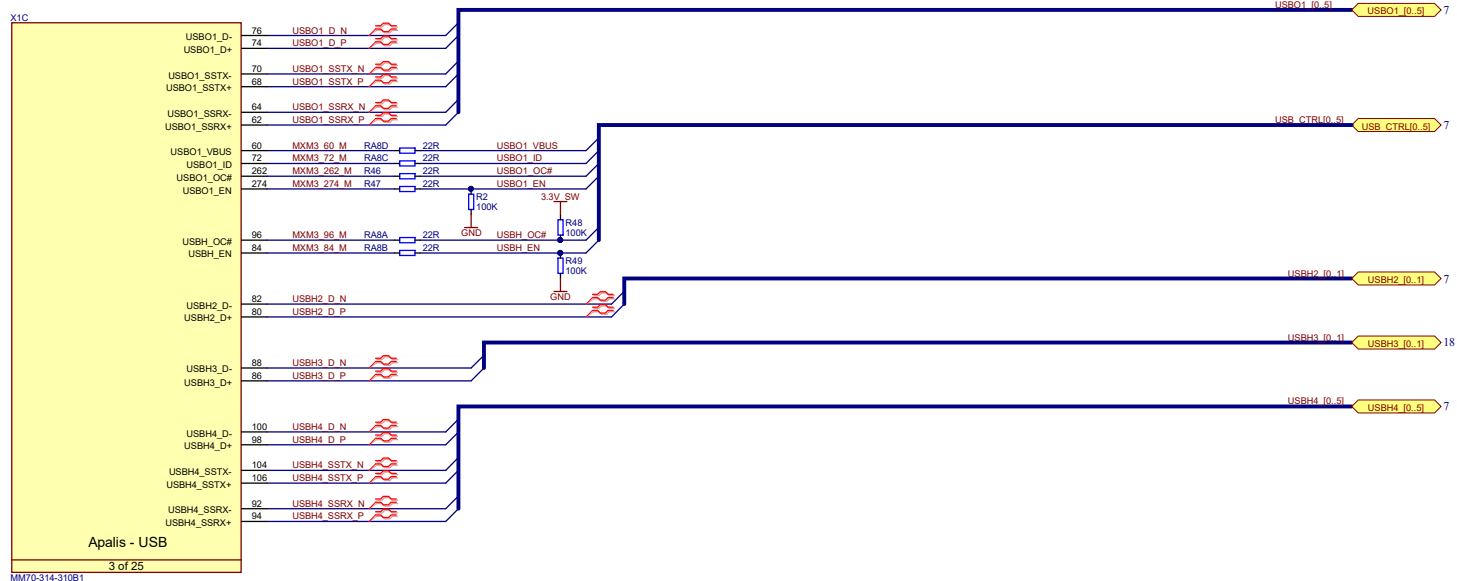
NOTE 2: Ixora Carrier Board V1.0A, 3.3V output power supply is designed for 15W (max). Please check if the available power is enough for the Apalis module of your choice. E.g. Apalis TK1 exceeds this under heavy load.

Revision History Notes

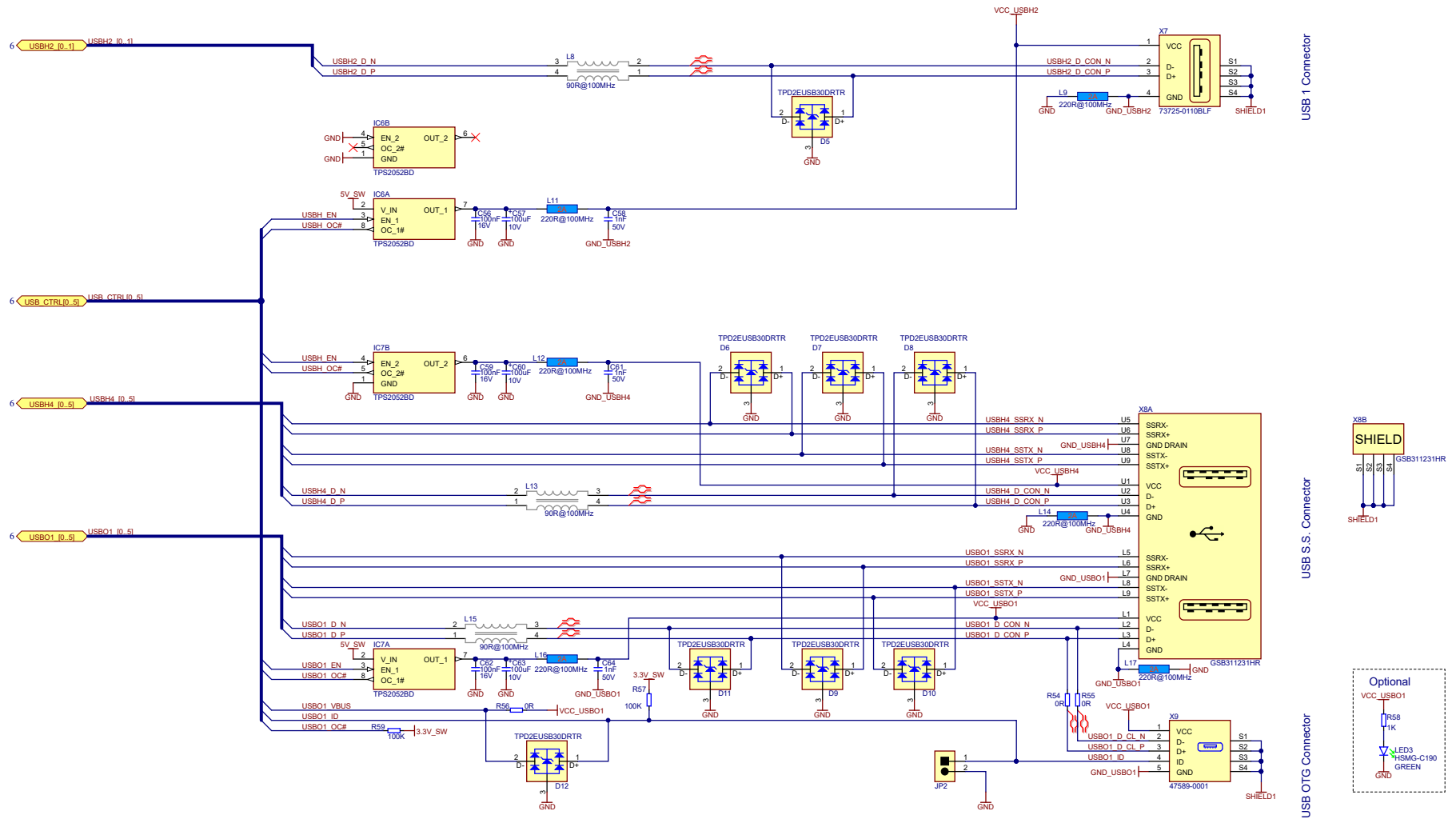


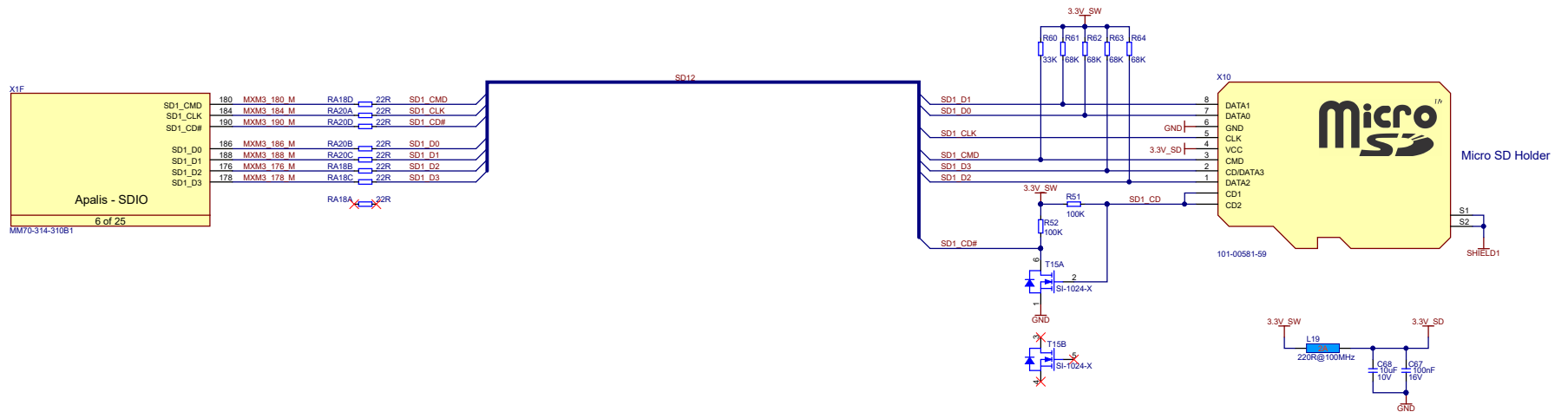
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Date: 6/15/2016	Time: 6:30:59 PM	Sheet 4 of 19	
File: Power_Switch_SchDoc			





Title Ixora		Toradex AG Altsagenstrasse 5 Horn 6048 Switzerland	
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Date: 6/15/2016	Time: 6:31:00 PM	Sheet 6 of 19	
File: USB.SchDoc			



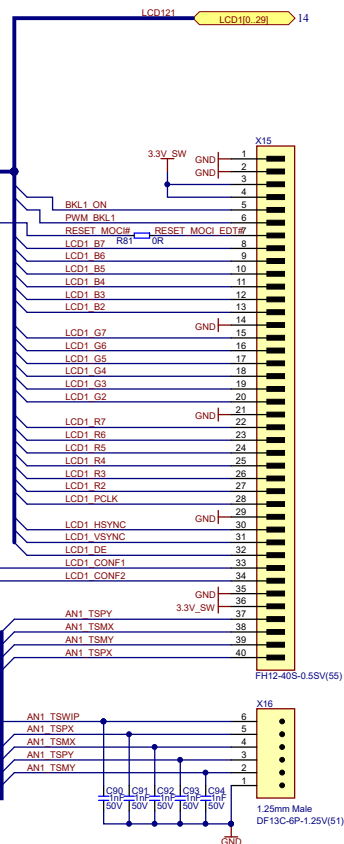
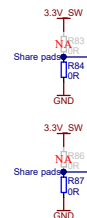
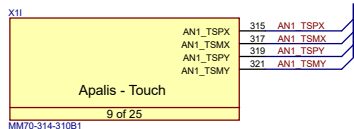
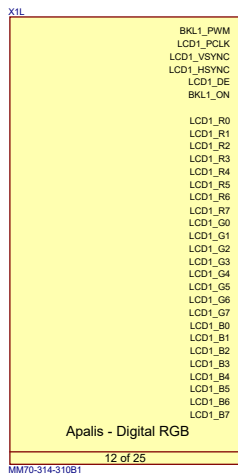


NOTE 3: Ixora Carrier Board V1.0A, SD Card isn't compatible with the Apalis TK1 V1.0x versions.

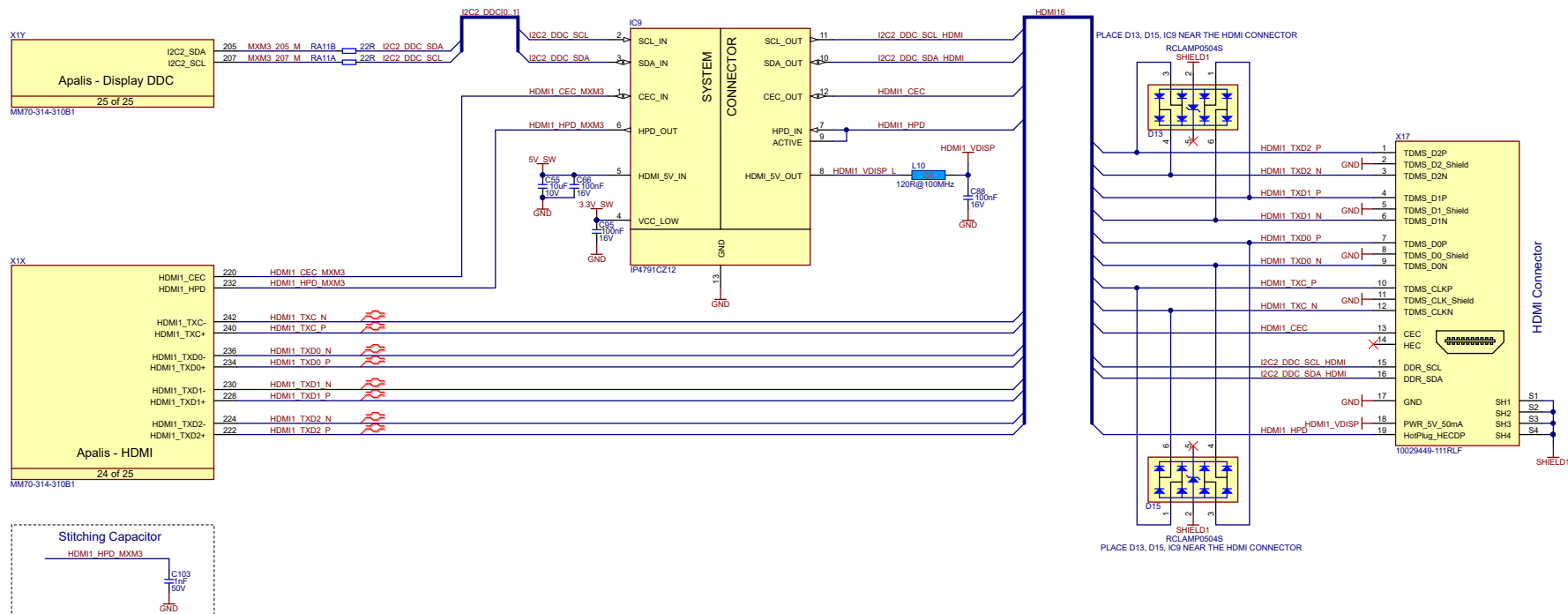
Revision History Notes

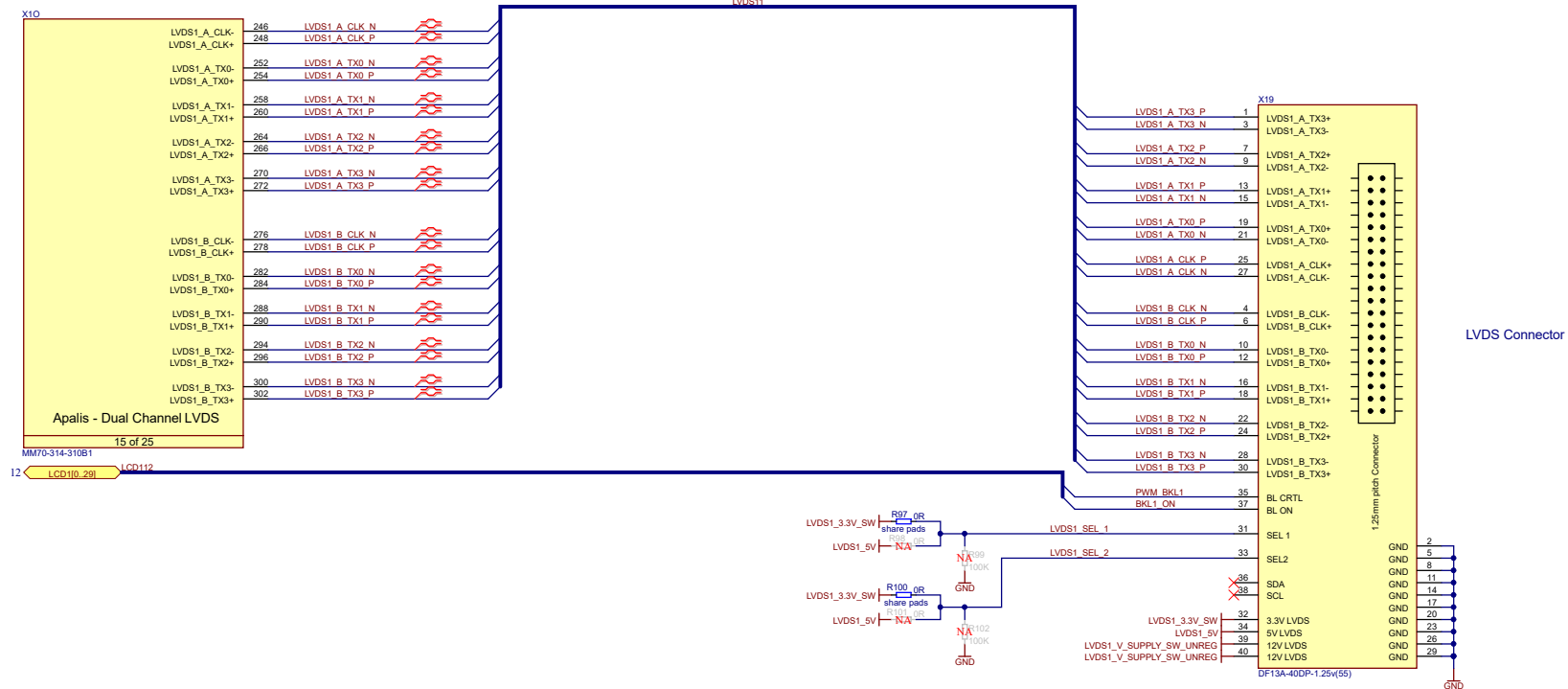


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Date: 6/15/2016	Time: 6:31:00 PM	Sheet 8 of 19	
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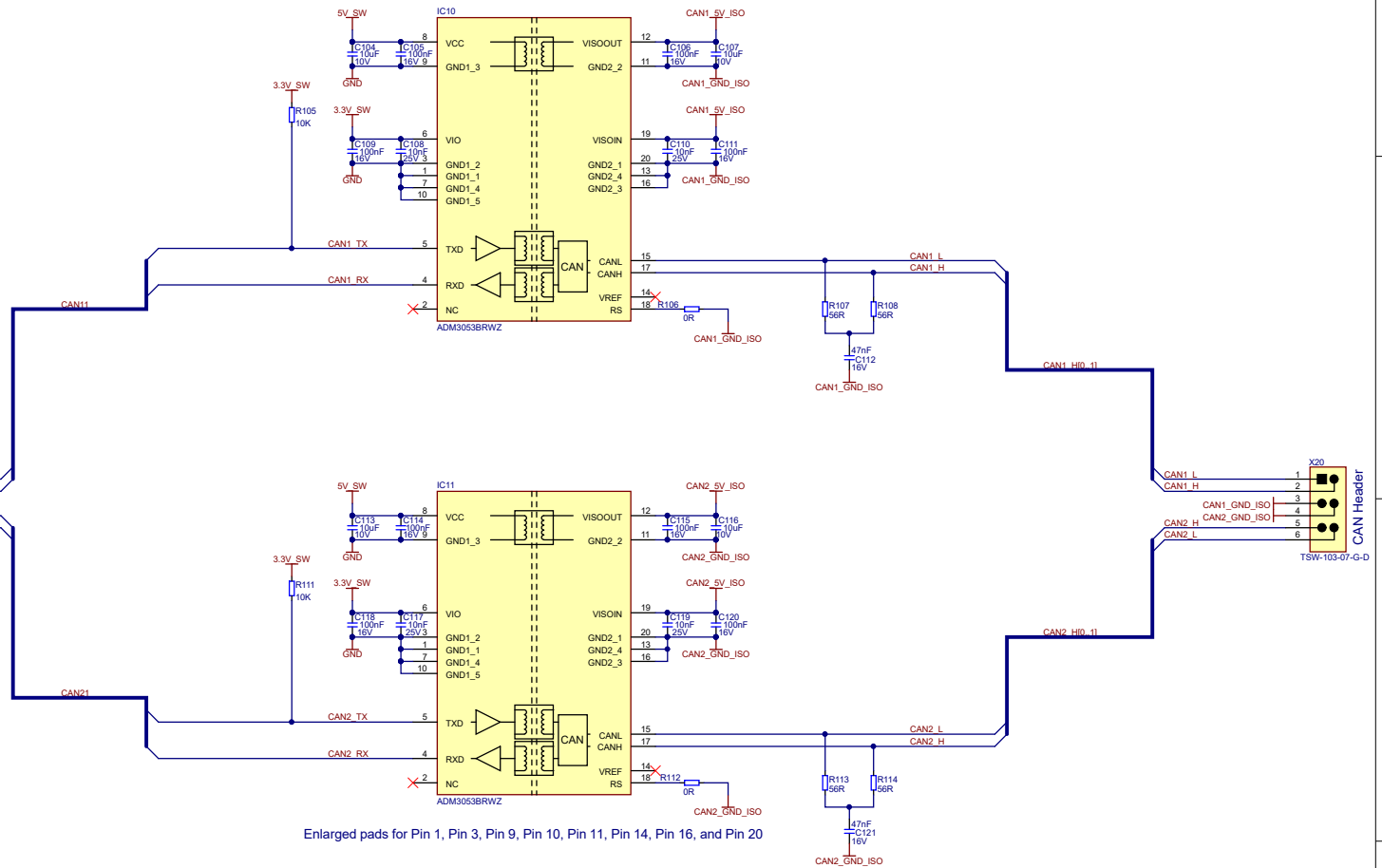
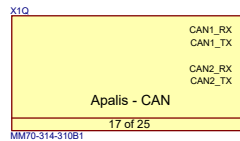


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Date: 6/15/2016	Time: 6:31:01 PM	Sheet 12 of 19	
File: RGB_Display_SchDoc			

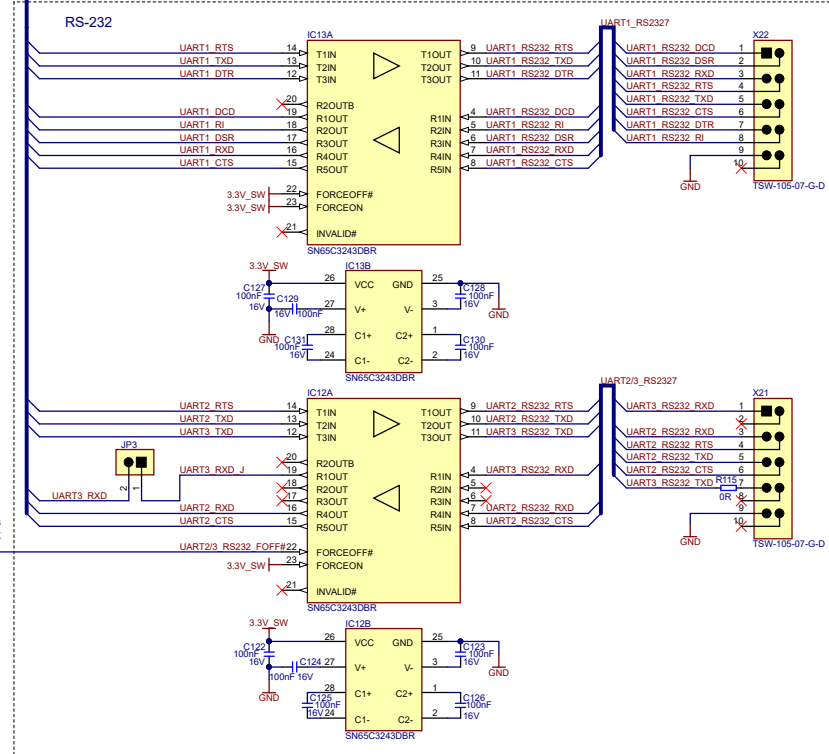
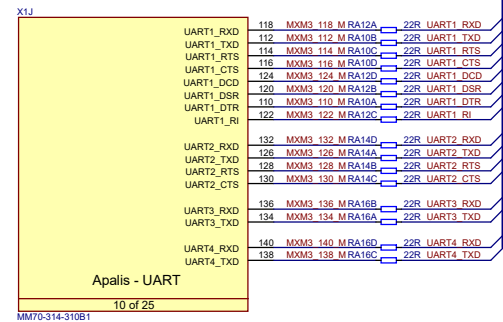


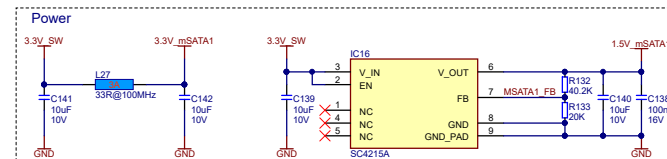
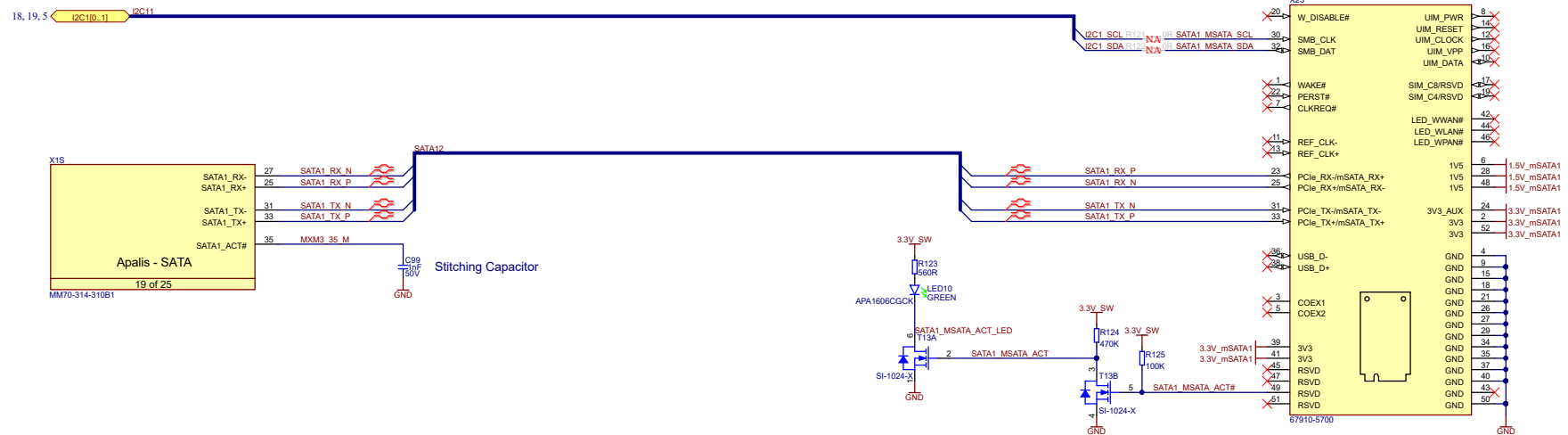


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Title Ixora		Toradex AG Altsägenstrasse 5 Horn 6048 Switzerland	
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Date: 6/15/2016	Time: 6:31:01 PM	Sheet 15 of 19	
File: CAN.SchDoc			





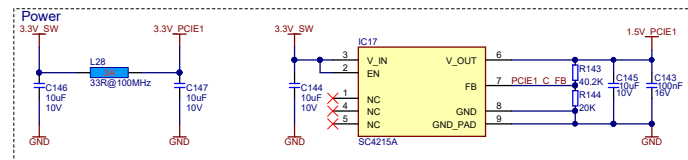
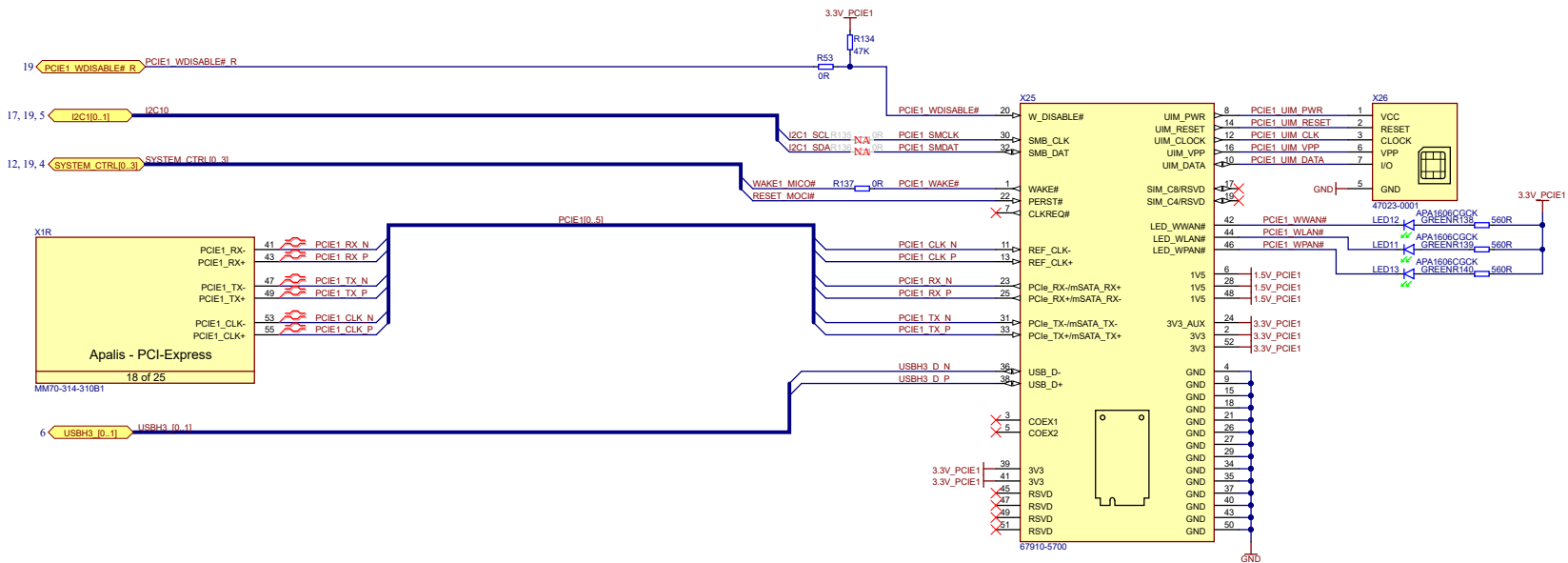
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Revision History Notes



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Size: A3	Number:17.	Revision:V1.0	
Date: 6/15/2016	Time: 6:31:02 PM	Sheet 17 of 19	
File: Sata.SCHDOC			

File: Sata.SCHDOC



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Date: <i>6/15/2016</i>	Time: <i>6:31:02 PM</i>	Sheet 18 of 19	<i>Switzerland</i>
File: <i>PCI_Express_SchDoc</i>			

