

REVISION HISTORY

IF IN DOUBT ASK

27 April 2011

0. Initial Release

05 May 2012

1. New Hardware Revision, Iris V1.1

2. Power supply schematic page

- The capacitors C72, C76, C73, C77 have been changed from 22uF 25V to 10uF 50V. All of them have been flagged as assembled.
- The capacitors C74, C78, C80, C82 have been changed from 10uF 10V to 22uF 10V.
- The resistor R67 has been flagged as assembled instead of the resistor R66.

3. USB schematic page

- The capacitor C41 has been changed from 22uF 10V to 100uF 10V.

4. Video connector schematic page

- The precision for the capacitor C3 has been changed from 10% to 20%.
- A small error regarding the LCD bus definition has been corrected.

5. Schematic library

- A small error in the component R-15KR-63mW-5%-0603 has been corrected in the BOM, in the library and in the project files;

6. PCB library and PCB layout

- The files Iris.PcbLib and Iris.PcbDoc have been updated with the 3D bodies of the component;

08 October 2013

7. Colibri schematic page

- The NOTE 1 has been added to the schematic page: "It is recommended to leave the pins BE1 and BE2 unconnected".

22 May 2014

8. All schematic pages

- Schematic page template has been updated.
- Schematic page numbering, PCB title and revision number have been updated .

9. Revision history schematic page

- Revision history page has been added to the project.

10. Colibri, Serial and Extension schematic pages

- Schematic nets names have been updated: PIN_XX_S to SODIMM_XX_S" and "PIN_XX to SODIMM_XX";

08 September 2014

11. Schematic library

- Micro SD card logo has been embedded to the component symbol in the schematic library.

12. All schematic pages

- Text comments for not assembled (NA) components have been removed. Design variant has been updated.
- "Port Cross Reference" has been added to the project.

13. Colibri schematic page

- The NOTE 2 has been added to the schematic page: "It is recommended to connect SODIMM 191 (ETH_GND) pin directly to the GND."

14. SD card schematic page

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

31 January 2017

11. Power Supply Schematic page

- Capacitor C59 value has been changed to 10uF, 50V from 22uF, 25V.

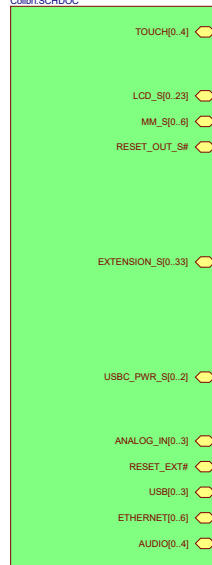
12. USB schematic page

- Net-name of wire connected to the connector X12, pin 4 has been changed to USB_ID from ID. A wire has been drawn between D11, pin 1 to IC1, pin 4 to represent the connection.

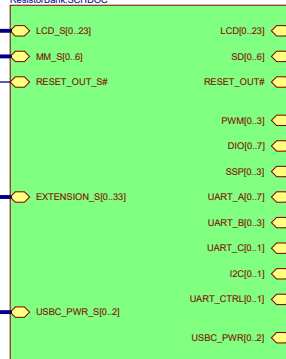


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|------------------------------|------------------|----------------|--|
| Title <i>Iris</i> | | | Toradex AG Altsagenstrasse 5 Horw 6048 Switzerland |
| Size: A3 | Number: 1. | Revision: V1.1 | |
| Date: 1/31/2017 | Time: 6:08:08 PM | Sheet 1 of 14 | |
| File: RevisionHistory.SchDoc | | | |

Colibri
Colibri.SCHDOC



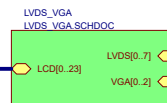
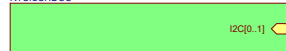
ResistorBank
ResistorBank.SCHDOC



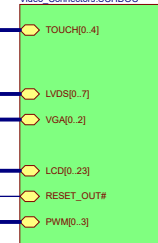
PowerSupply
PowerSupply.SCHDOC



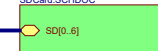
RTC
RTC.SCHDOC



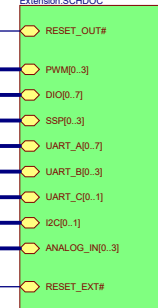
Video_Connectors
Video_Connectors.SCHDOC



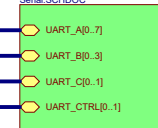
SDCard
SDCard.SCHDOC



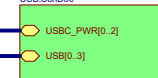
Extension
Extension.SCHDOC



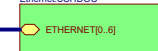
Serial
Serial.SCHDOC



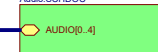
USB
USB.SchDoc



Ethernet
Ethernet.SCHDOC



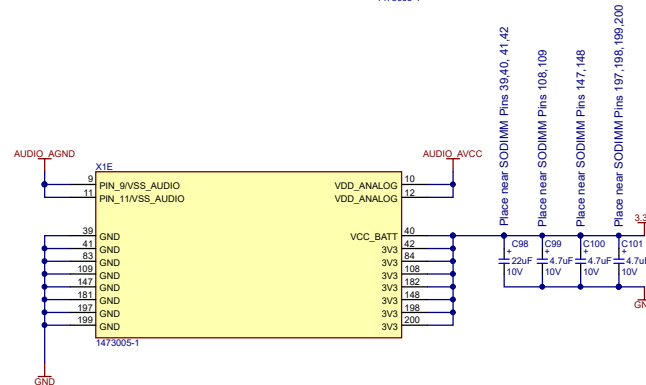
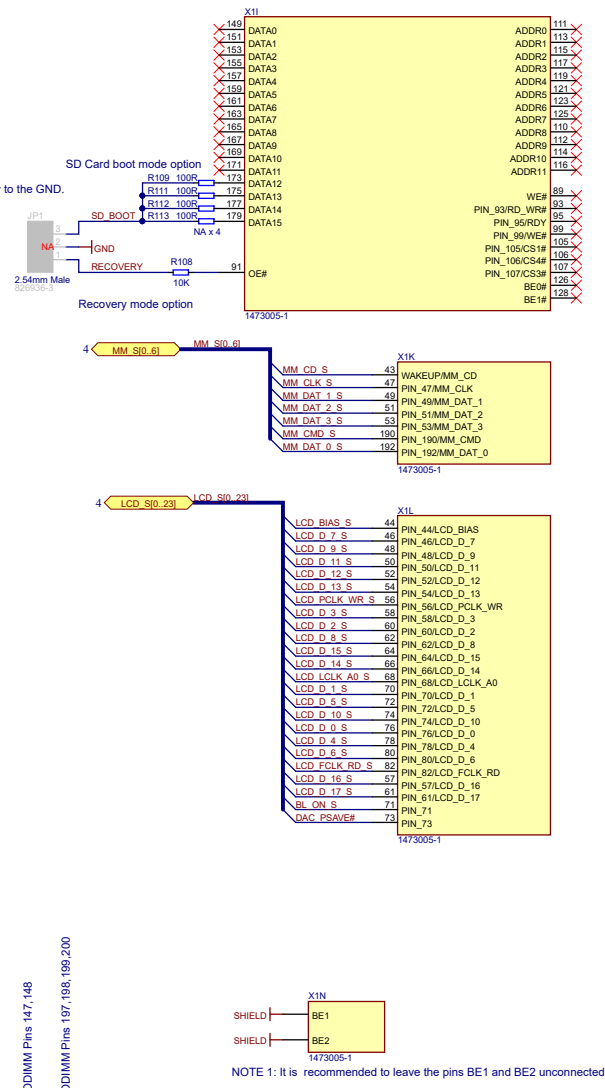
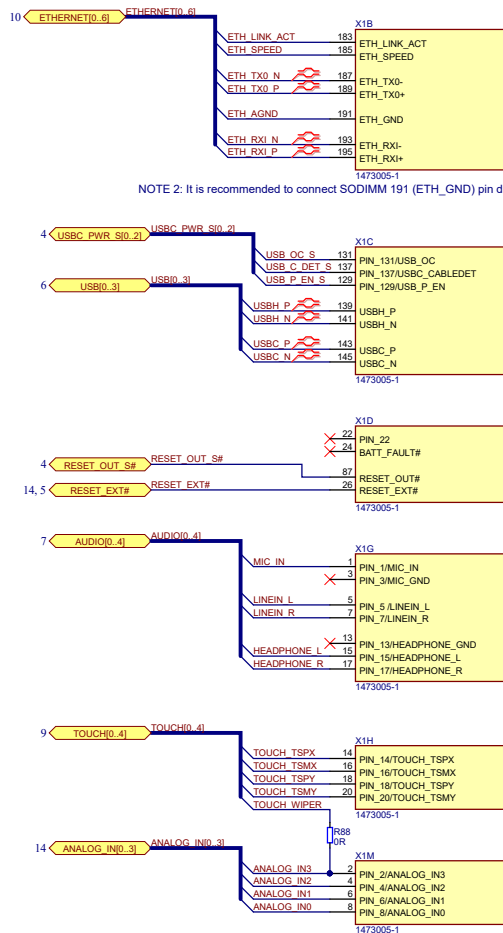
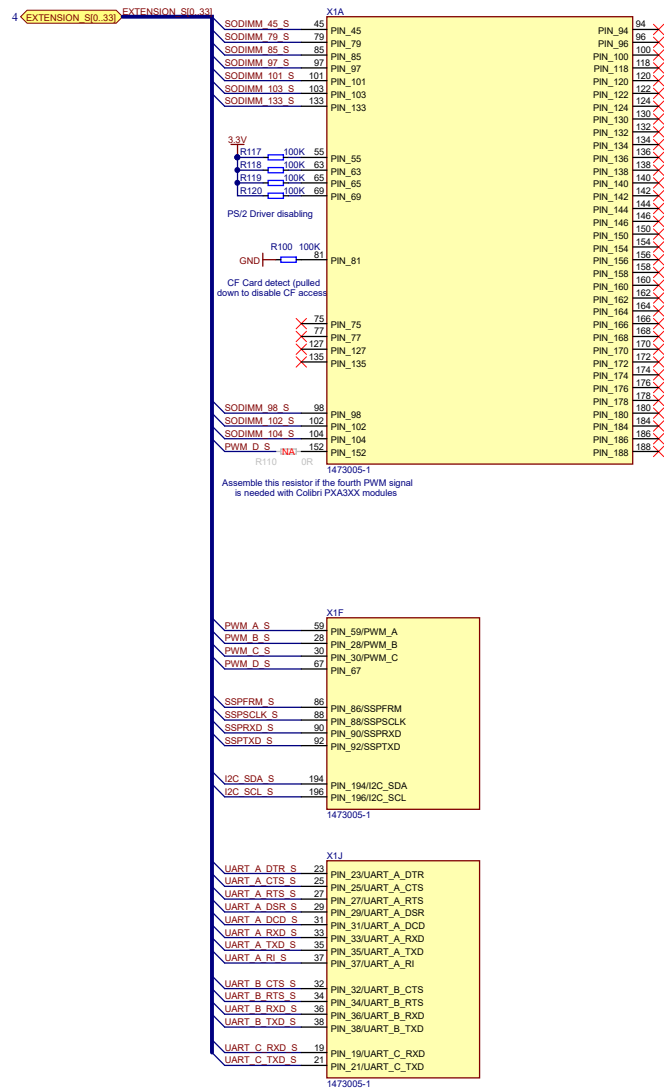
Audio
Audio.SCHDOC



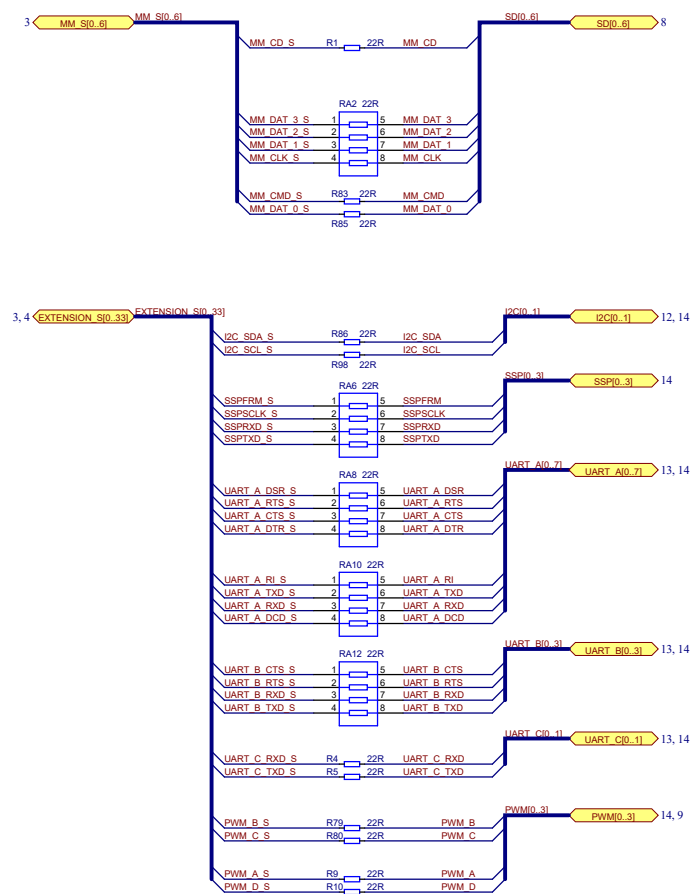
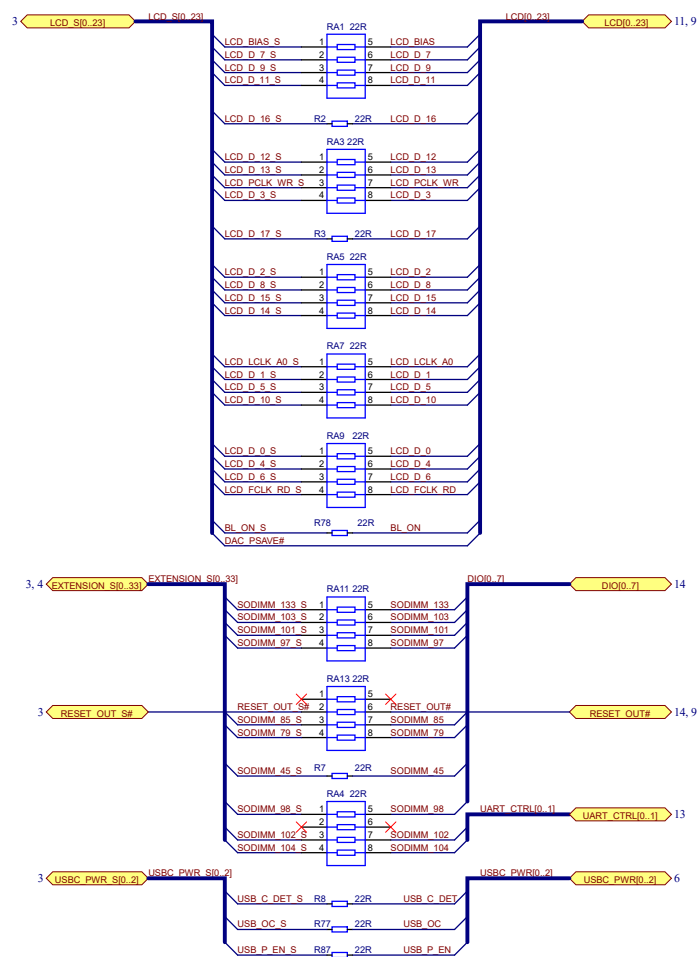
Revision History
RevisionHistory.SchDoc



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| Size: A3 | Number: 2. | Revision: V1.1 | |
| Date: 1/31/2017 | Time: 6:08:08 PM | Sheet 2 of 14 | |
| File: Iris_Hardware_Architecture.SchDoc | | | |



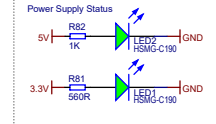
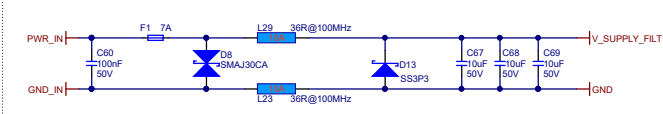
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| Size: A3 | Number: 3. | Revision: V1.1 | |
| Date: 1/31/2017 | Time: 6:08:08 PM | Sheet 3 of 14 | |
| File: Colibri.SchDoc | | | |



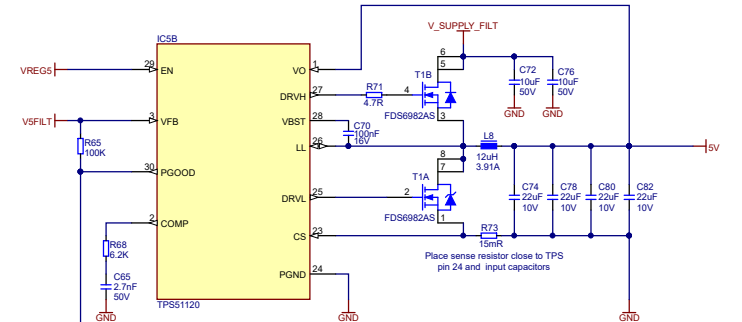
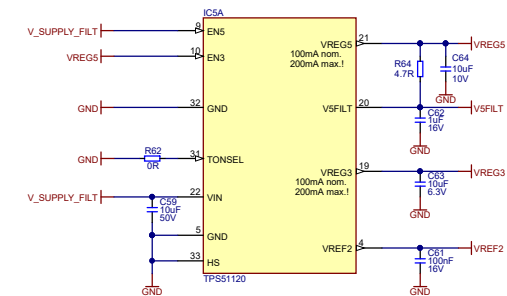
Power Connectors



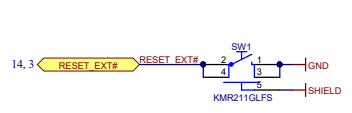
EMI input filter stage



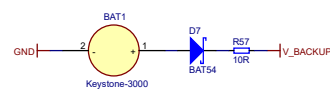
Power Supply Controller



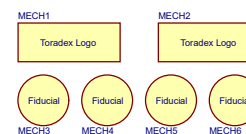
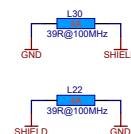
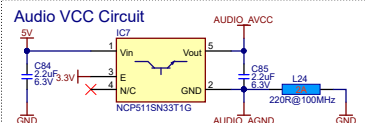
Reset Button



Backup Battery Circuit

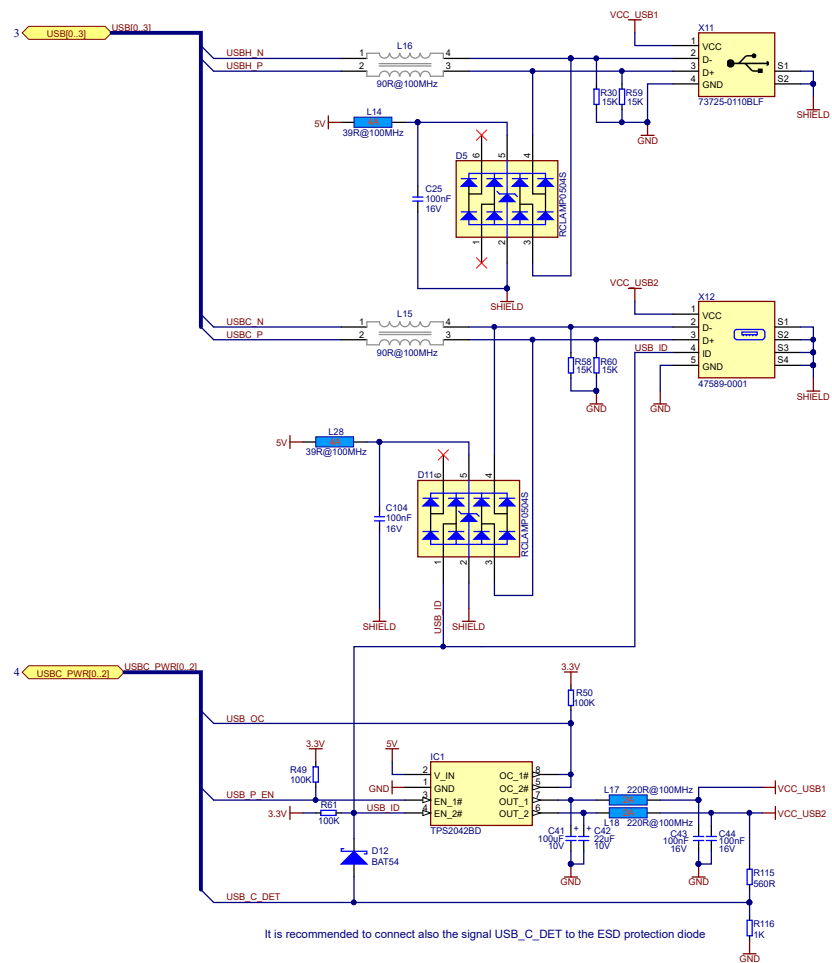


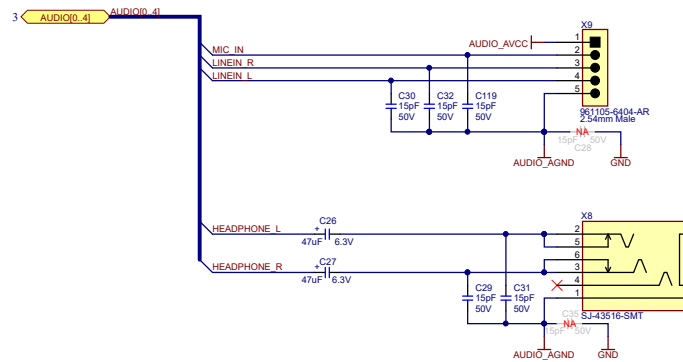
Place bead close to Pin 9/11 on Colibri SODIMM 200 Connector



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| Title Iris | | Toradex AG Altscheggstrasse 5 Horn 6048 Switzerland | |
| Size: A3 | Number: 5. | Revision: V1.1 | |
| Date: 1/31/2017 | Time: 6:08:09 PM | Sheet 5 of 14 | |
| File: PowerSupply_SchDoc | | | |

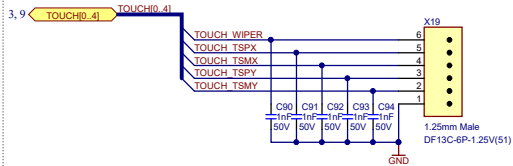




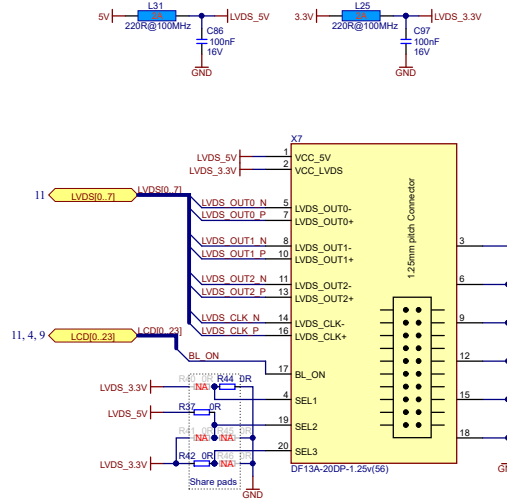


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|----------------------------|-------------------------|-----------------------------|--------------------------|
| Title <i>Iris</i> | | | <i>Toradex AG</i> |
| Size: <i>A3</i> | Number: <i>8</i> | Revision: <i>V1.1</i> | <i>Altsagenstrasse 5</i> |
| Date: <i>1/31/2017</i> | Time: <i>6:08:09 PM</i> | Sheet <i>8</i> of <i>14</i> | <i>Horsw 6048</i> |
| File: <i>SDCard.SchDoc</i> | | | <i>Switzerland</i> |

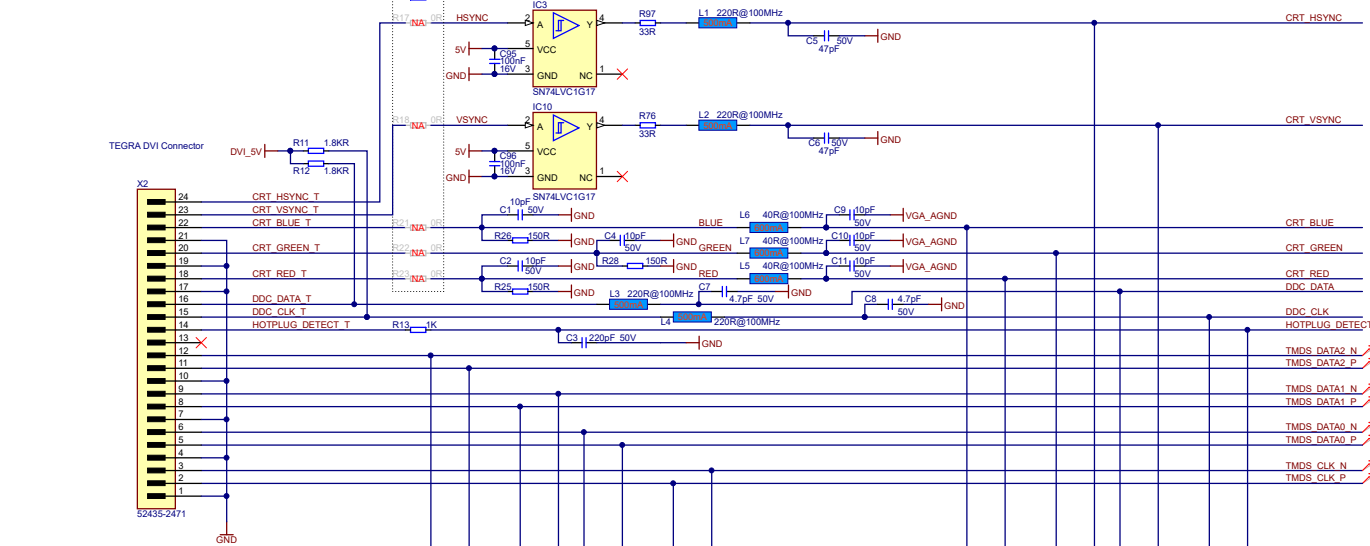
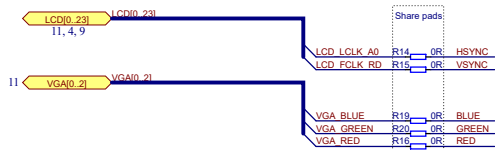
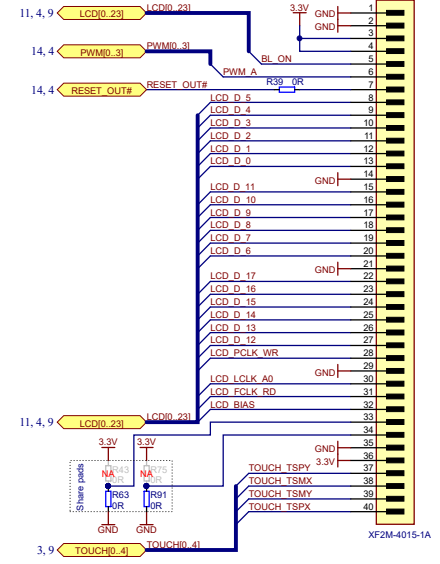
TOUCH Connector



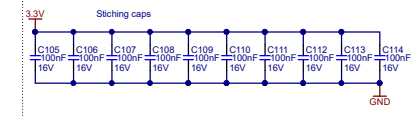
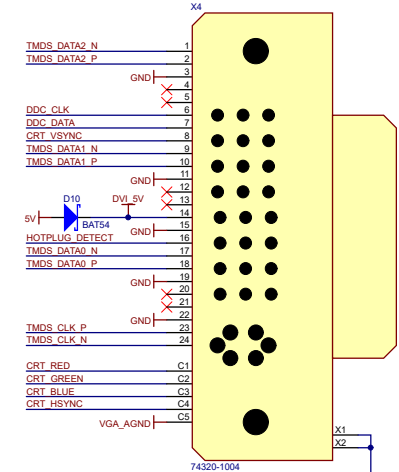
LVDS Connector



RGB Connector



DVI Connector



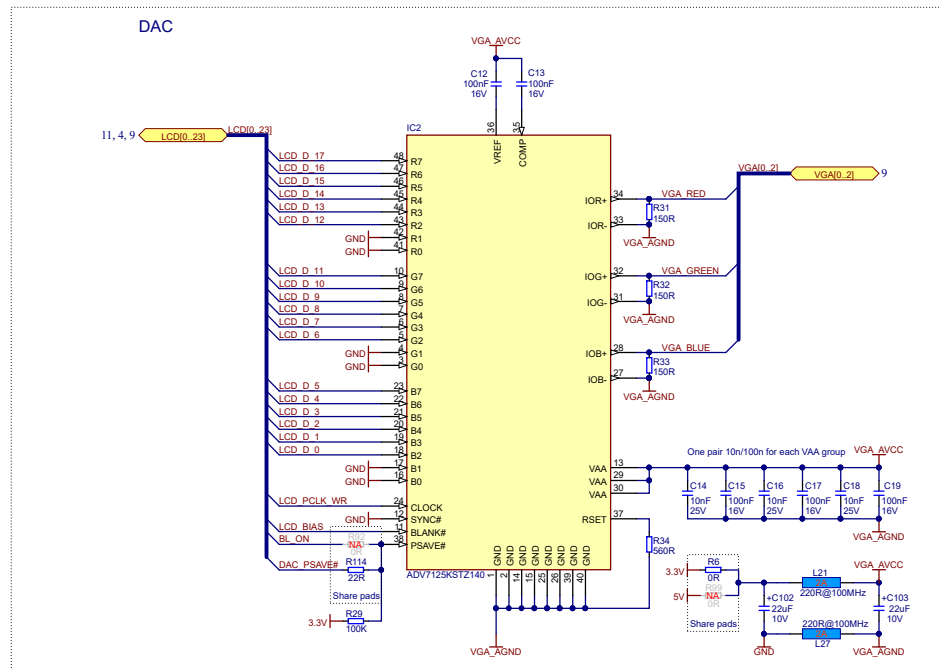
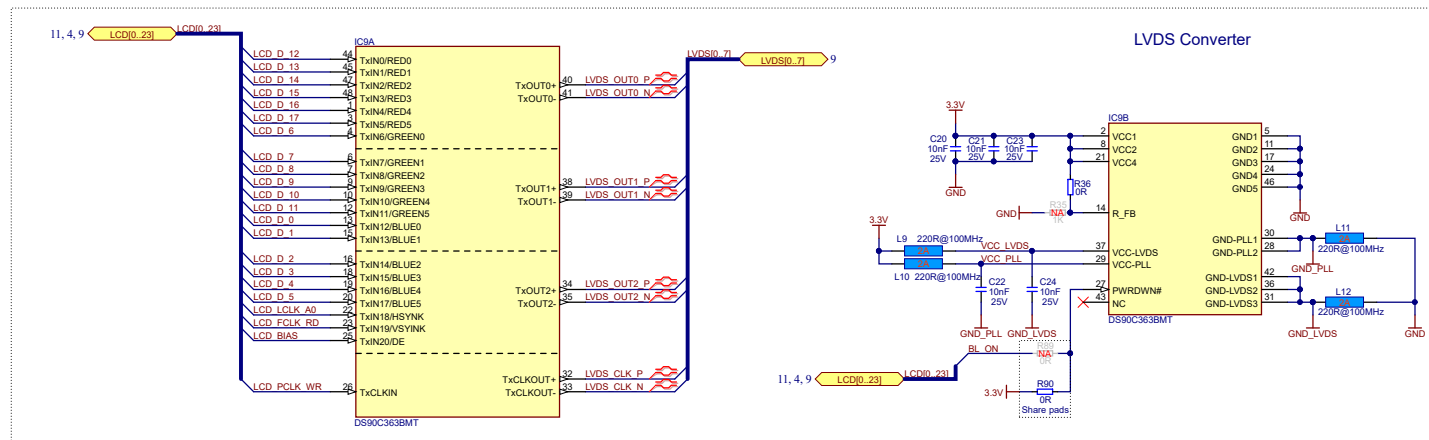
PLACE D1, D2, D3, D4 NEAR THE CONNECTOR

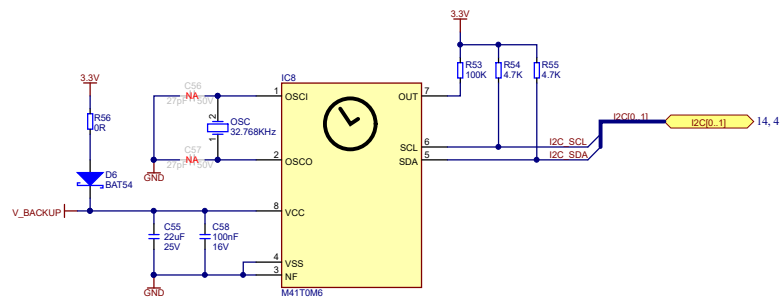
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| Title Iris | | Toradex AG Altensteigstrasse 5 Horn 6048 Switzerland | |
| Size: A3 | Number: 9. | Revision: V1.1 | |
| Date: 1/31/2017 | Time: 6:08:09 PM | Sheet 9 of 14 | |
| File: Video Connectors.SchDoc | | | |



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|-----------------------|------------------|----------------|---------------------------------|
| Title <i>Iris</i> | | | Toradex AG Altsagenstrasse 5 |
| Size: A3 | Number: 10. | Revision: V1.1 | How 6048 |
| Date: 1/31/2017 | Time: 6:08:10 PM | Sheet 10 of 14 | Switzerland |
| File: Ethernet.SchDoc | | | |





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| Title <i>Iris</i> | | | Toradex AG Altsagenstrasse 5 |
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| Date: 1/31/2017 | Time: 6:08:10 PM | Sheet 12 of 14 | Switzerland |
| File: RTC.SchDoc | | | |

