

Please check the notes in red contained in the schematic pages.


REVISION HISTORY:

Revision V1.0

Initial release

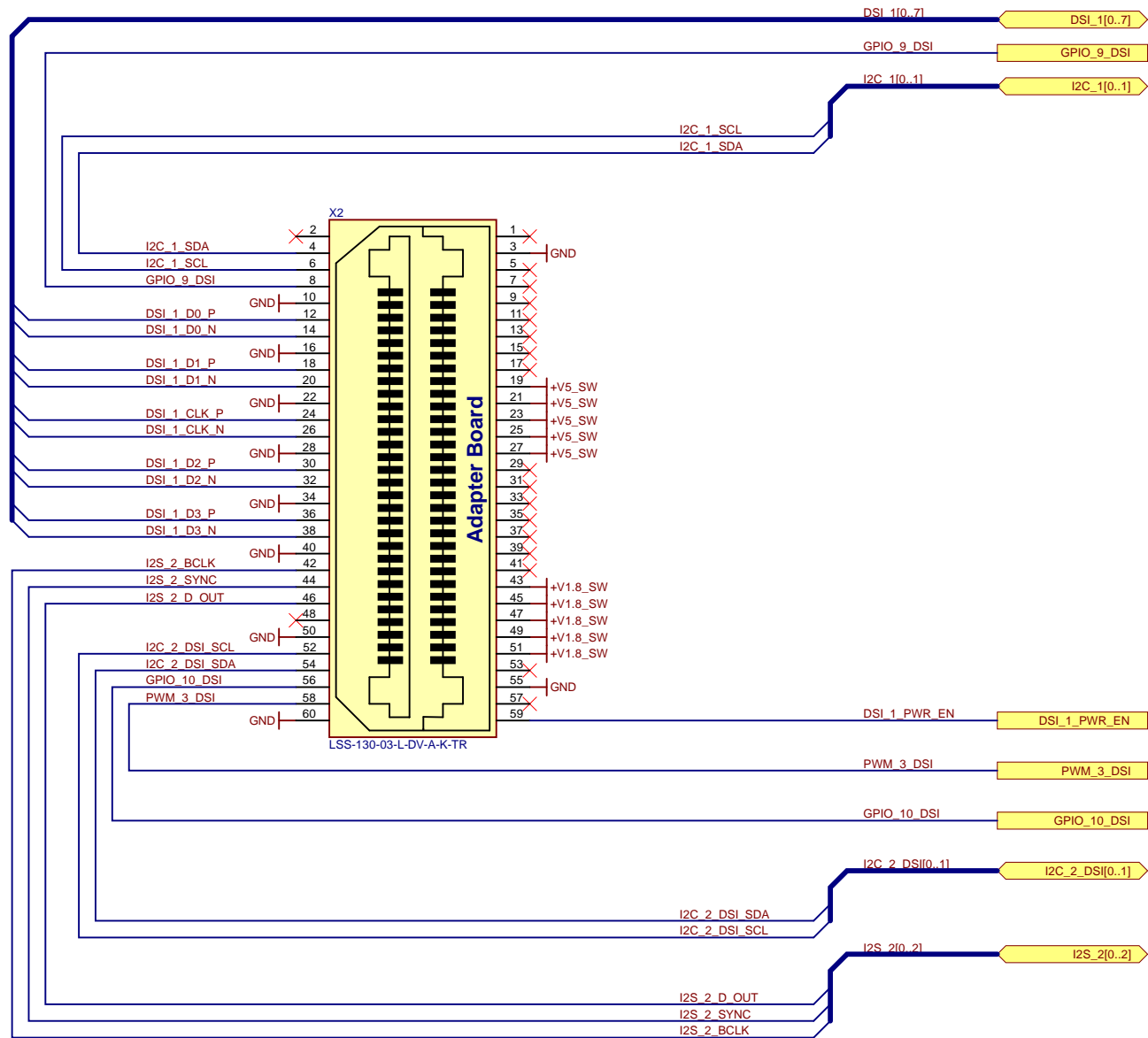
Revision V1.1

1. R20 value has been changed from 6k to 6.04k.
2. LEDs have been added for the adapter's Reset and Power states indication.
3. The HDMI connector has been moved by 1.5mm off the board.
4. DSI Mezzanine Connector has been replaced with a less expensive part.
All the components except the mezzanine connector have been moved to the adapter's PCB's top side.
5. The soft-start option on power switches has been improved.
6. GPIO assignment has been changed:
 - GPIO_1 and GPIO_2 pins are not used anymore.
 - DSI_1_INT# has been renamed to GPIO_9_DSI
 - PWR_CTRL_9 has been renamed to DSI_1_PWR_EN
 - HPD signal has been connected to the PWM_3_DSI
 - LT8912B's INT signal has been connected to GPIO_9_DSI
 - LT8912B's Reset has been connected to GPIO_10_DSI (old DSI_1_BKL_EN)
7. Net names have been changed to keep the Verdin family design consistency.
8. Common-mode chokes L1-L4 have been replaced with new parts.
9. ESD Attention mark has been increased.
10. CE mark has been added on the PCB.
11. Pull-up resistors R3, R4 values have been changed from 1.27k to 1.8k to comply with HDMI specification.
12. The value of the ESD enhancement capacitor C4 has been changed from 100nF to 1uF to comply with the HDMI2C1-14HD IC reference design.
13. HDMI connector X1 schematic component has been updated: pins 15 and 16 names changed.

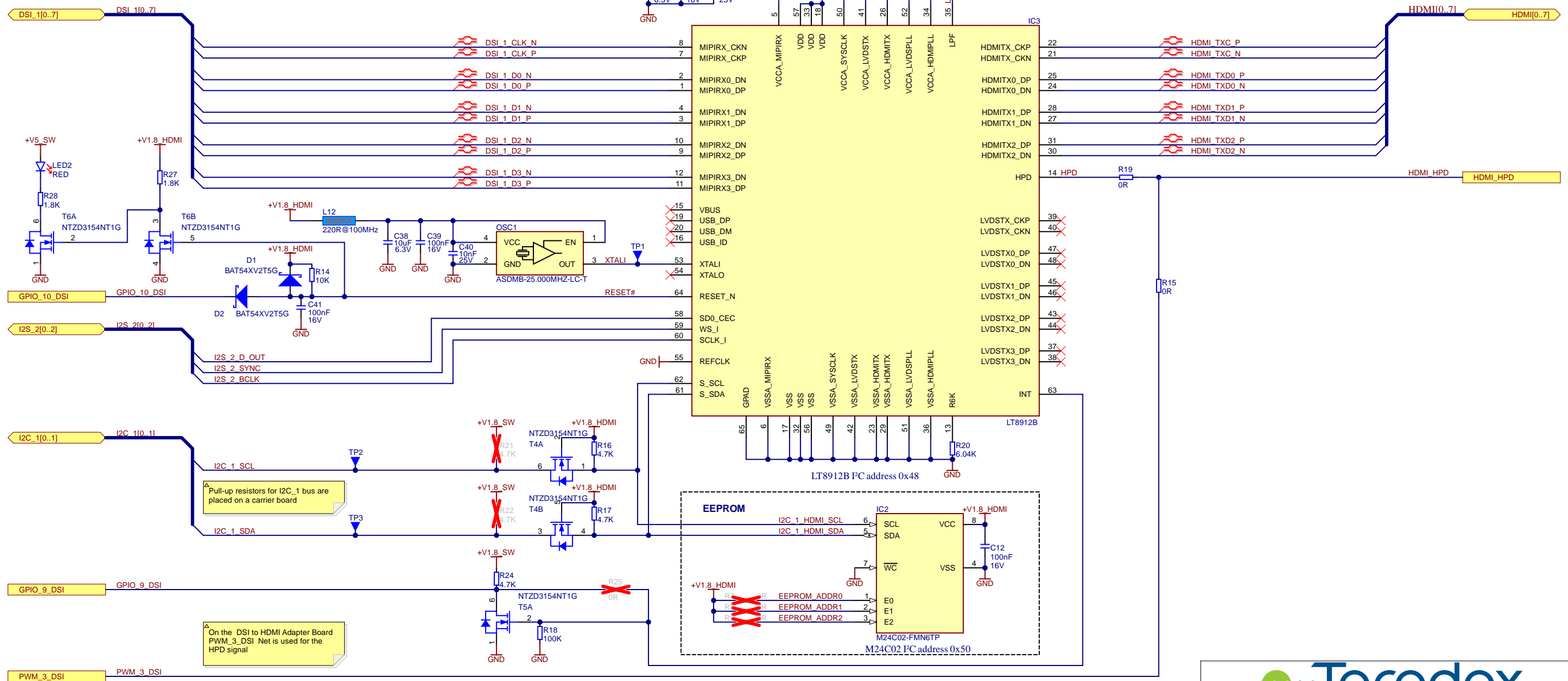
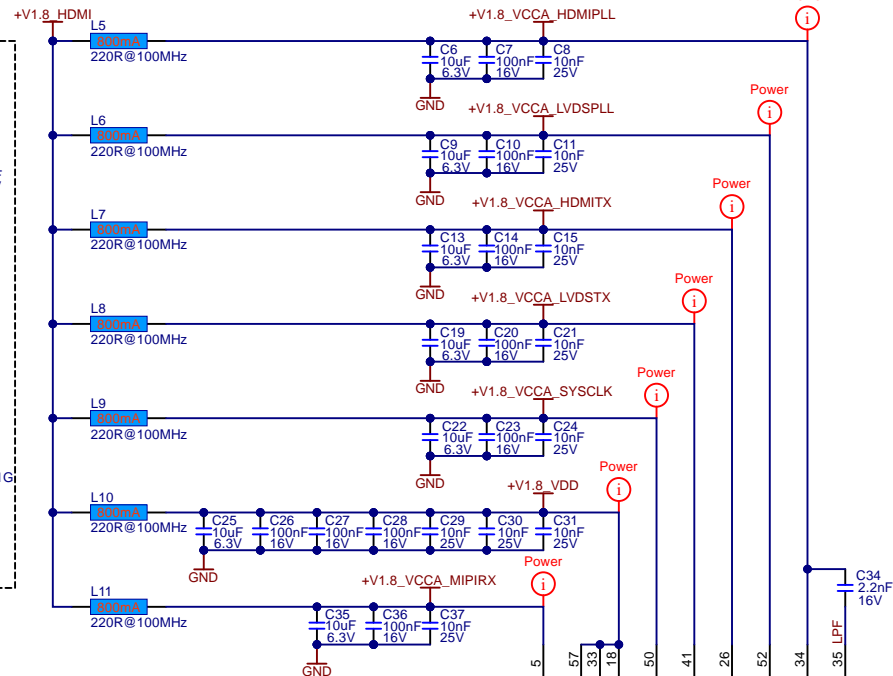
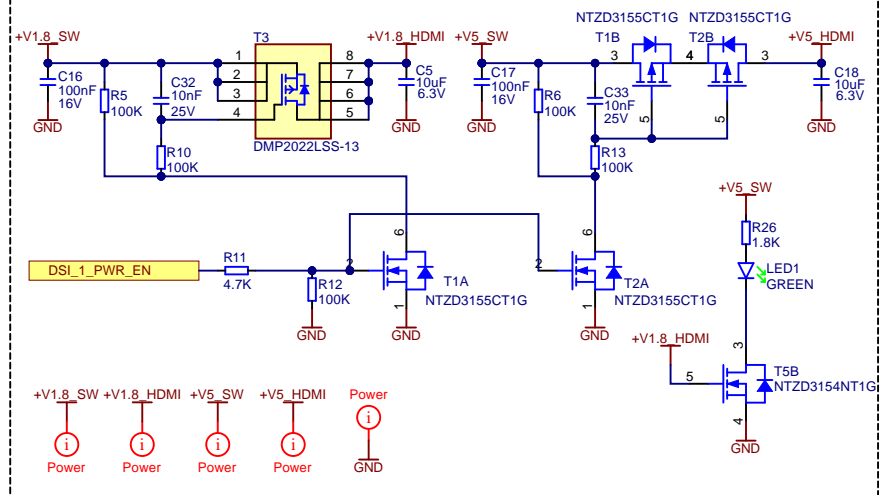


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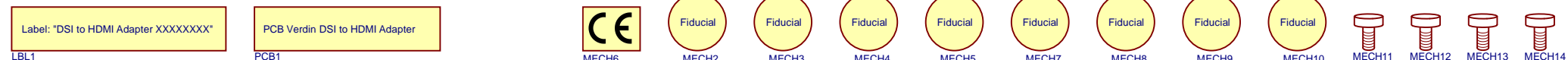
Title Verdin DSI to HDMI Adapter			Toradex AG Ebenaustrasse 10 Horw 6048 Switzerland
Size: A3	Number:2	Revision:V1.1	
Date: 26/04/2021	Time: 08:58:04	Sheet2 of 5	
File: RevisionHistory.SchDoc			



POWER SWITCH

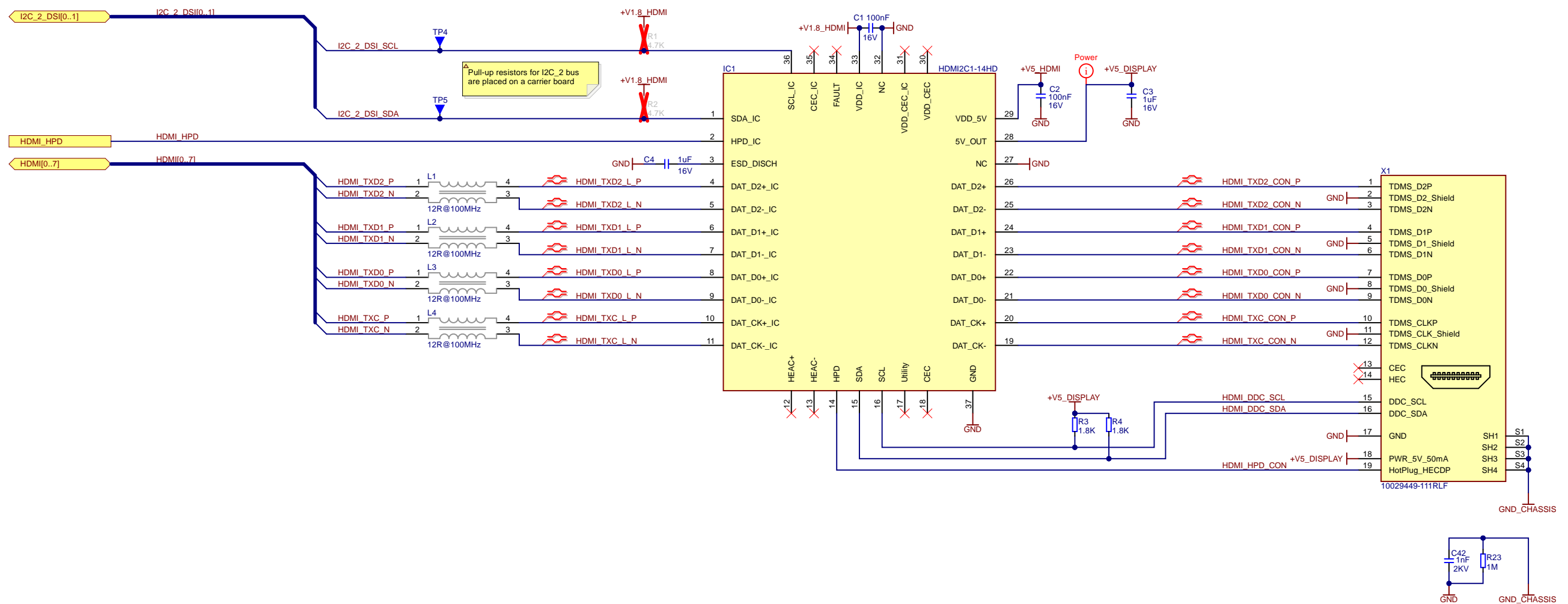


Mechanicals



Title Verdin DSI to HDMI Adapter			Toradex AG Ebenaustrasse 10 6048 Switzerland
Size: A3	Number: 4	Revision: V1.1	
Date: 26/04/2021	Time: 08:58:04	Sheet 4 of 5	
File: DSI to HDMI Bridge.SchDoc			

WARNING: HDMI2C1-14HD is NRND.
Different solution will be used in the next product releases.



Title Verdin DSI to HDMI Adapter			Toradex AG Ebenastrasse 10 Horw 6048 Switzerland
Size: A3	Number: 5	Revision: V1.1	
Date: 26/04/2021	Time: 08:58:04	Sheet 5 of 5	
File: HDMI Connector.SchDoc			