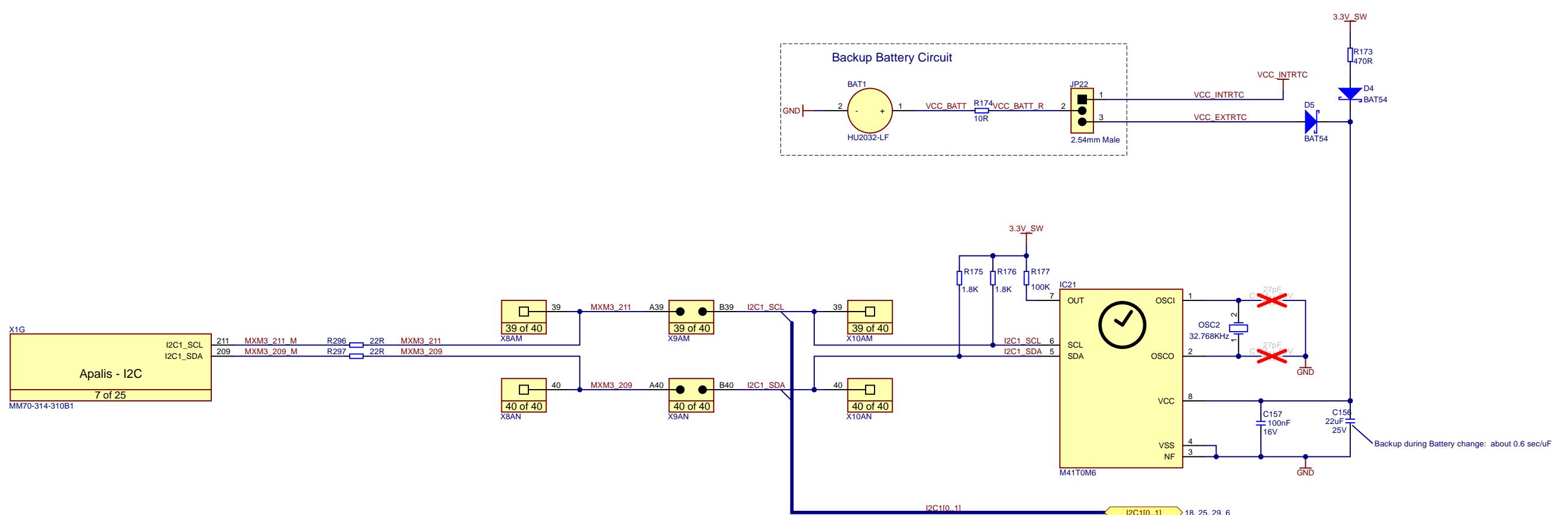


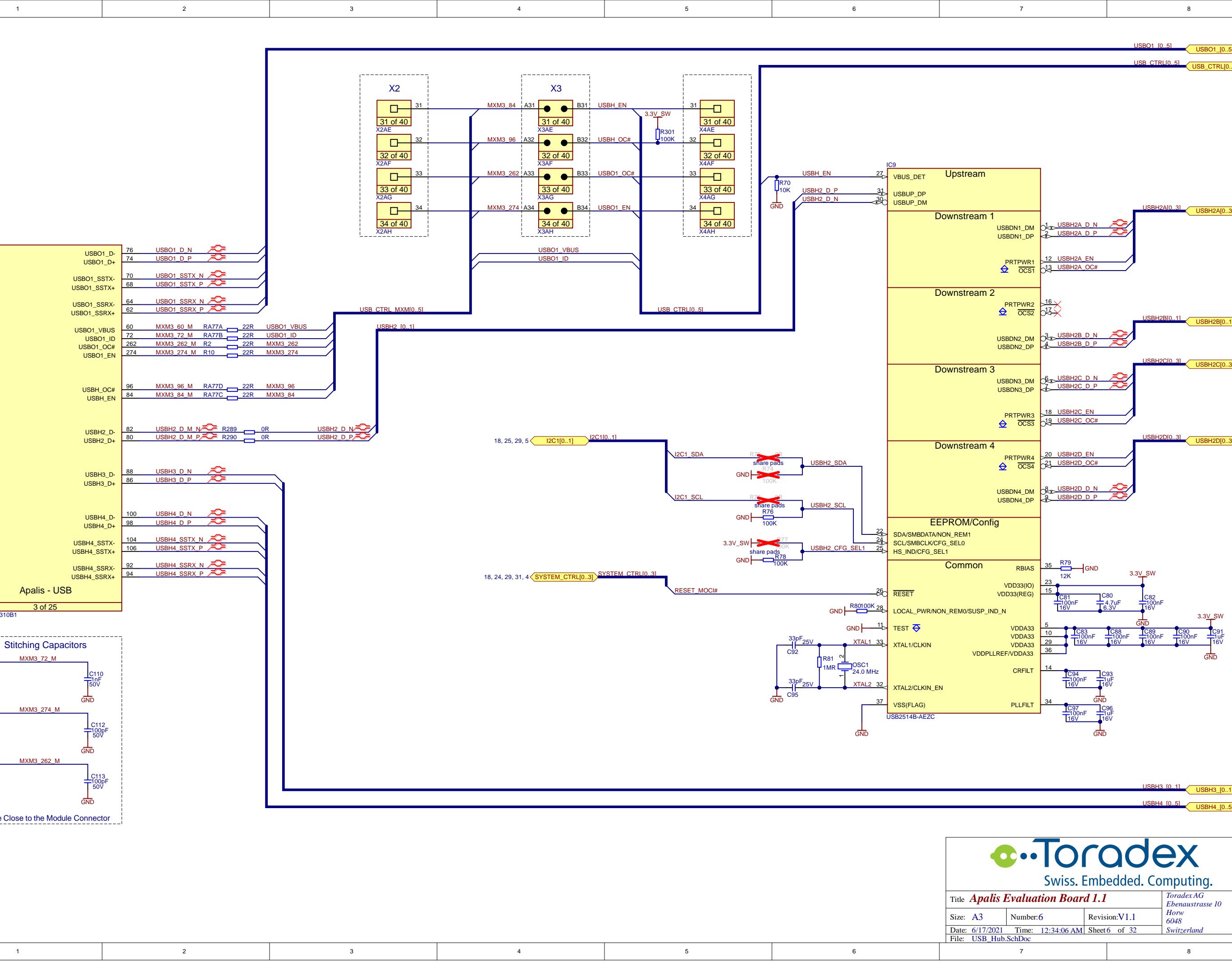
NOTE 16: Apalis Evaluation Board V1.1A, 3.3V output power supply is designed for 15W (max). Apalis Evaluation Board power supply is not capable of delivering peak power required by Apalis iMX8QM or Apalis TK1 module under stress like processor / GPU intensive tasks. We are working on redesign of the power supply on Apalis Evaluation Board. It is possible to increase the output current of the power supply by changing the current sense resistor (R44) on the Apalis Evaluation Board. If required it is OK to change the current sense resistor in the lab. However we don't recommend such changes in the field.

Revision History Notes

Toradex
Swiss. Embedded. Computing.

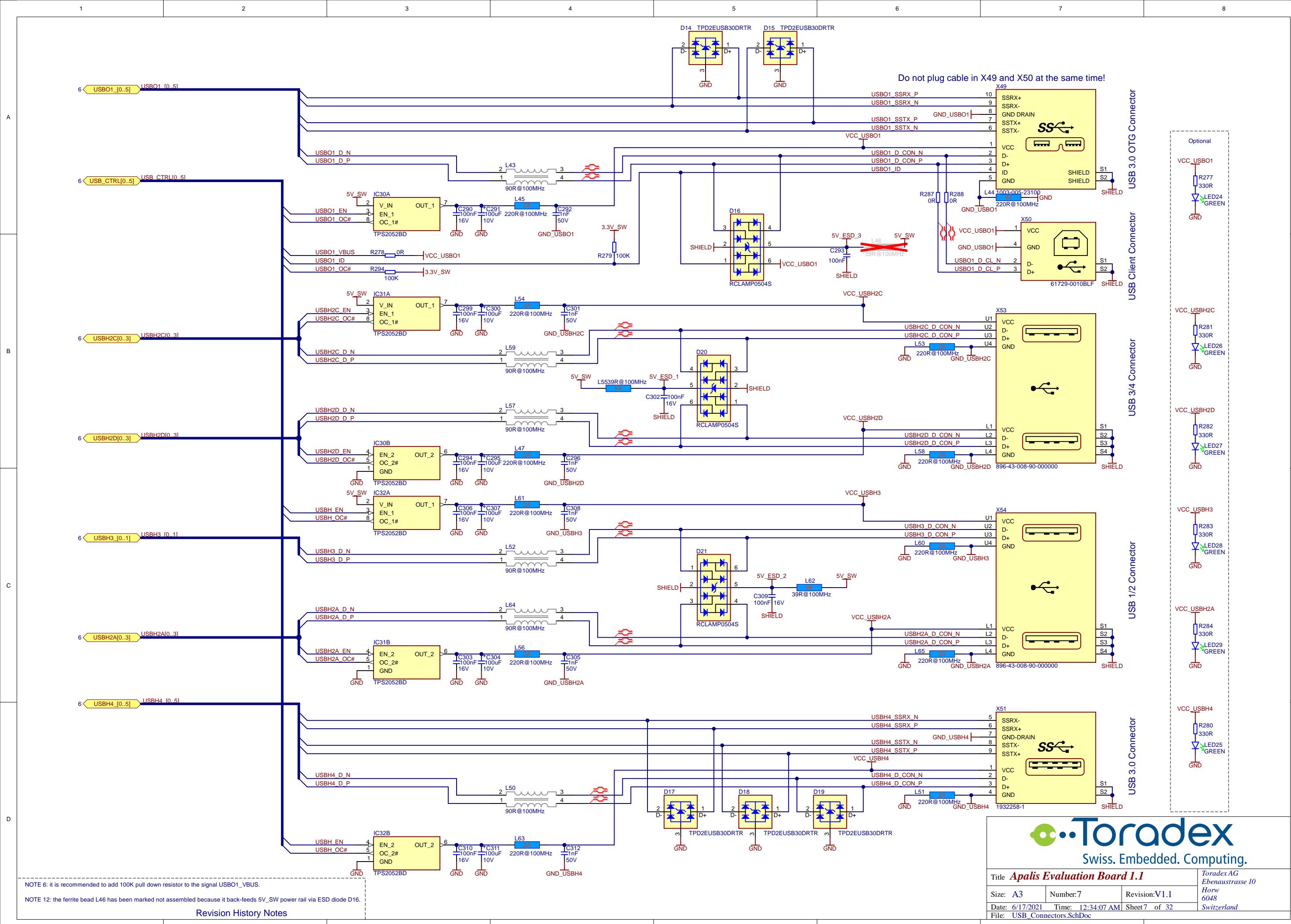
Title Apalis Evaluation Board 1.1			Toradex AG Ebenaustrasse 10 Horn 6048 Switzerland
Size: A3	Number: 4	Revision: V1.1	
Date: 6/17/2021	Time: 12:34:06 AM	Sheet 4 of 32	
File: Power_Switch.SchDoc			

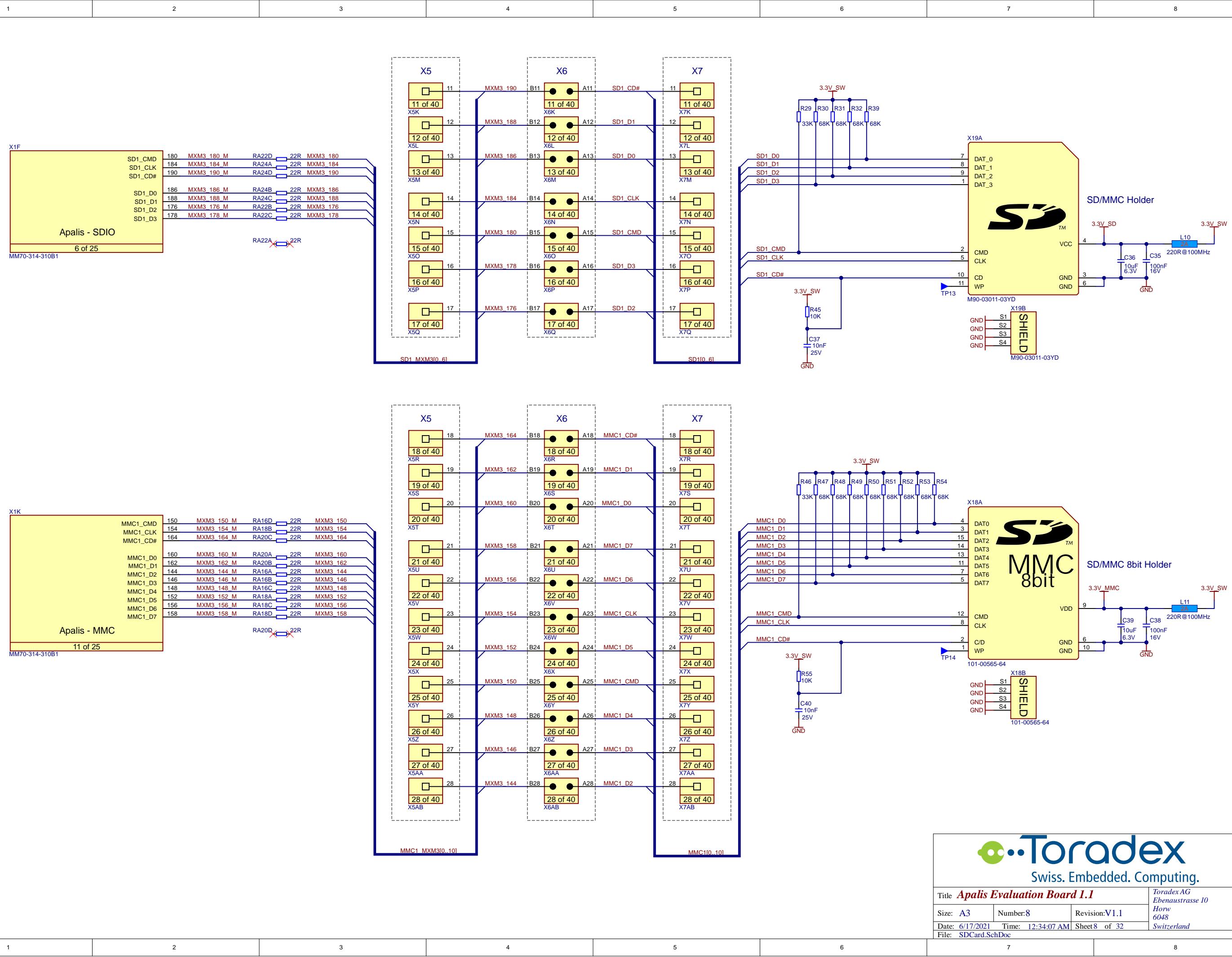


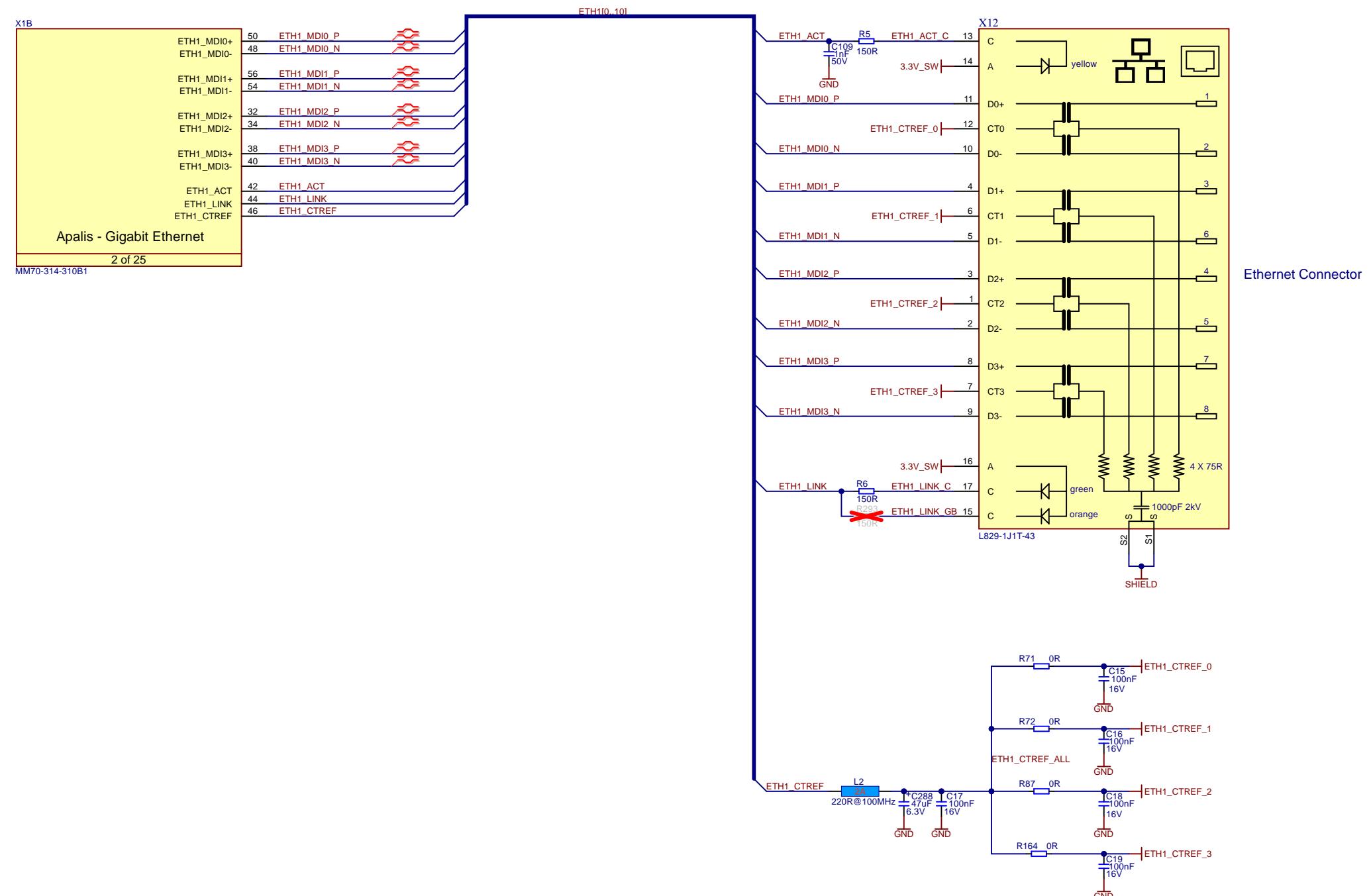


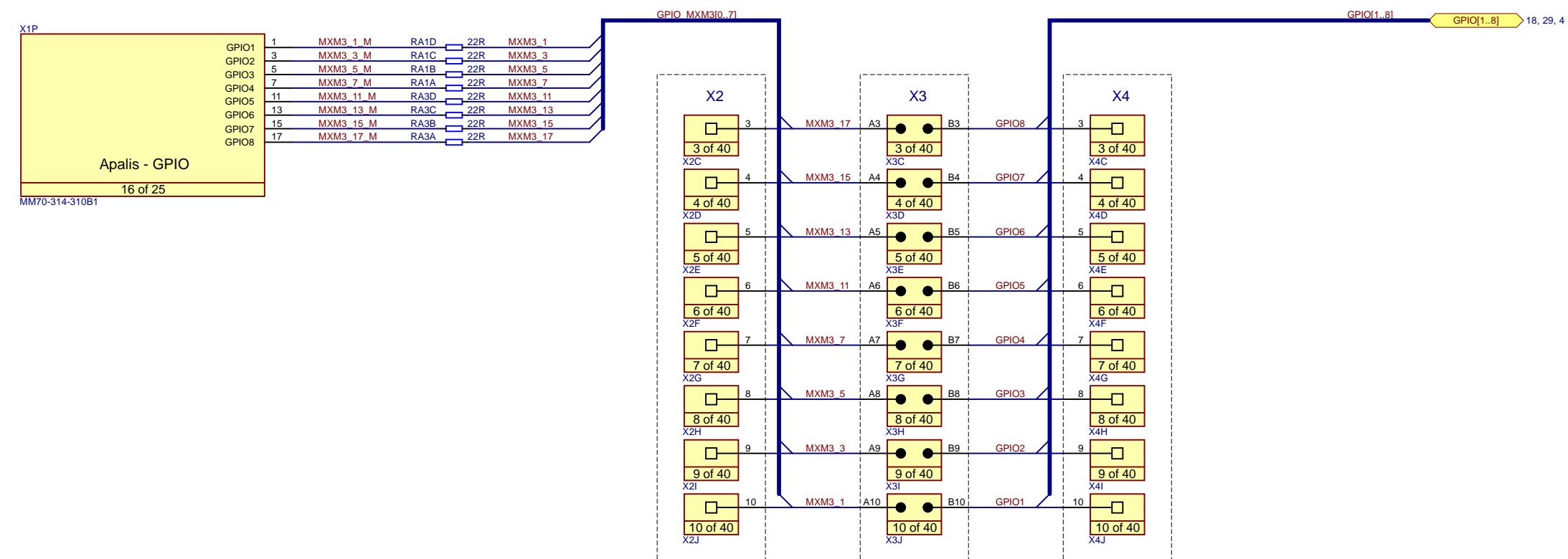
Toradex
Swiss. Embedded. Computing.

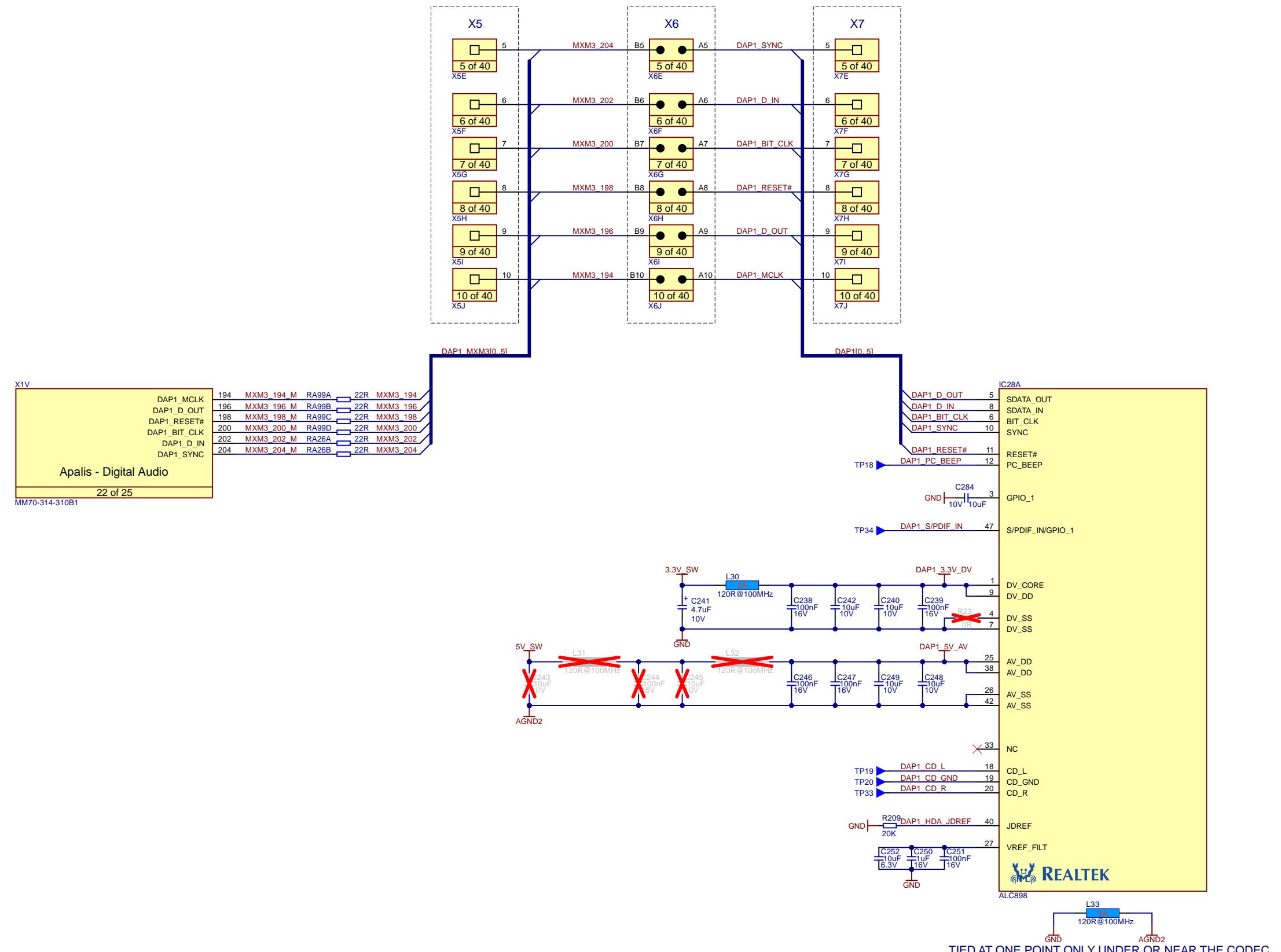
Title Apalis Evaluation Board 1.1			Toradex AG Ebenaustrasse 10 Horn 6048 Switzerland
Size: A3	Number: 6	Revision: V1.1	
Date: 6/17/2021	Time: 12:34:06 AM	Sheet 6 of 32	
File: USB_Hub.SchDoc			

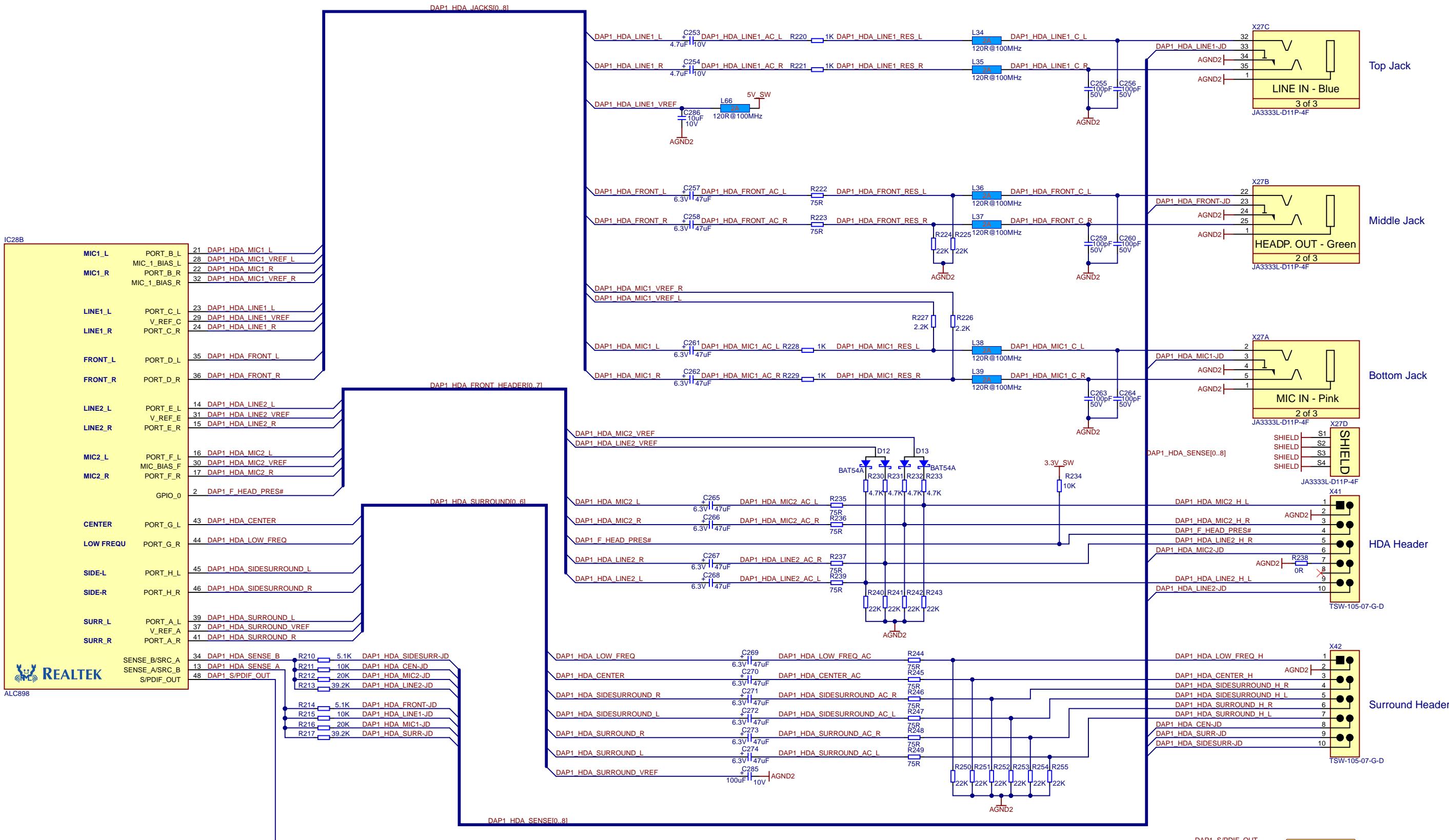


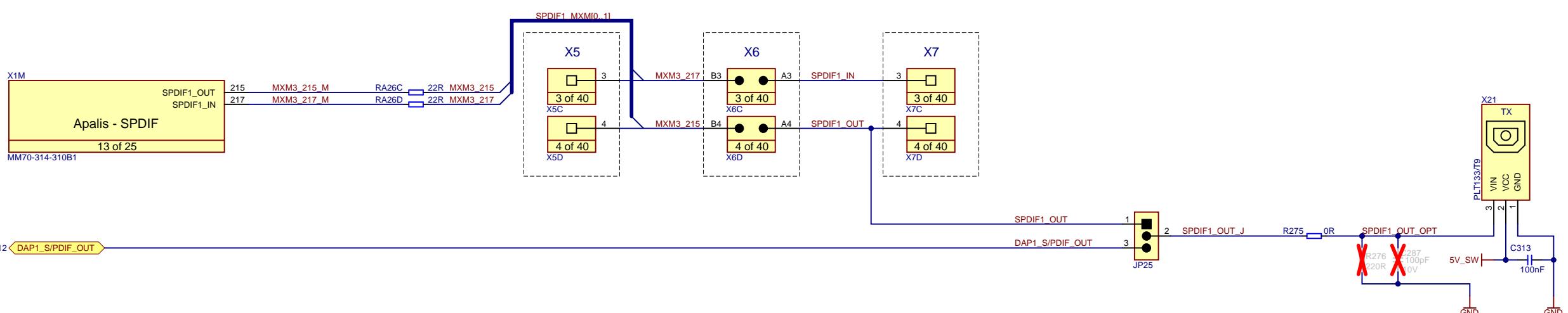






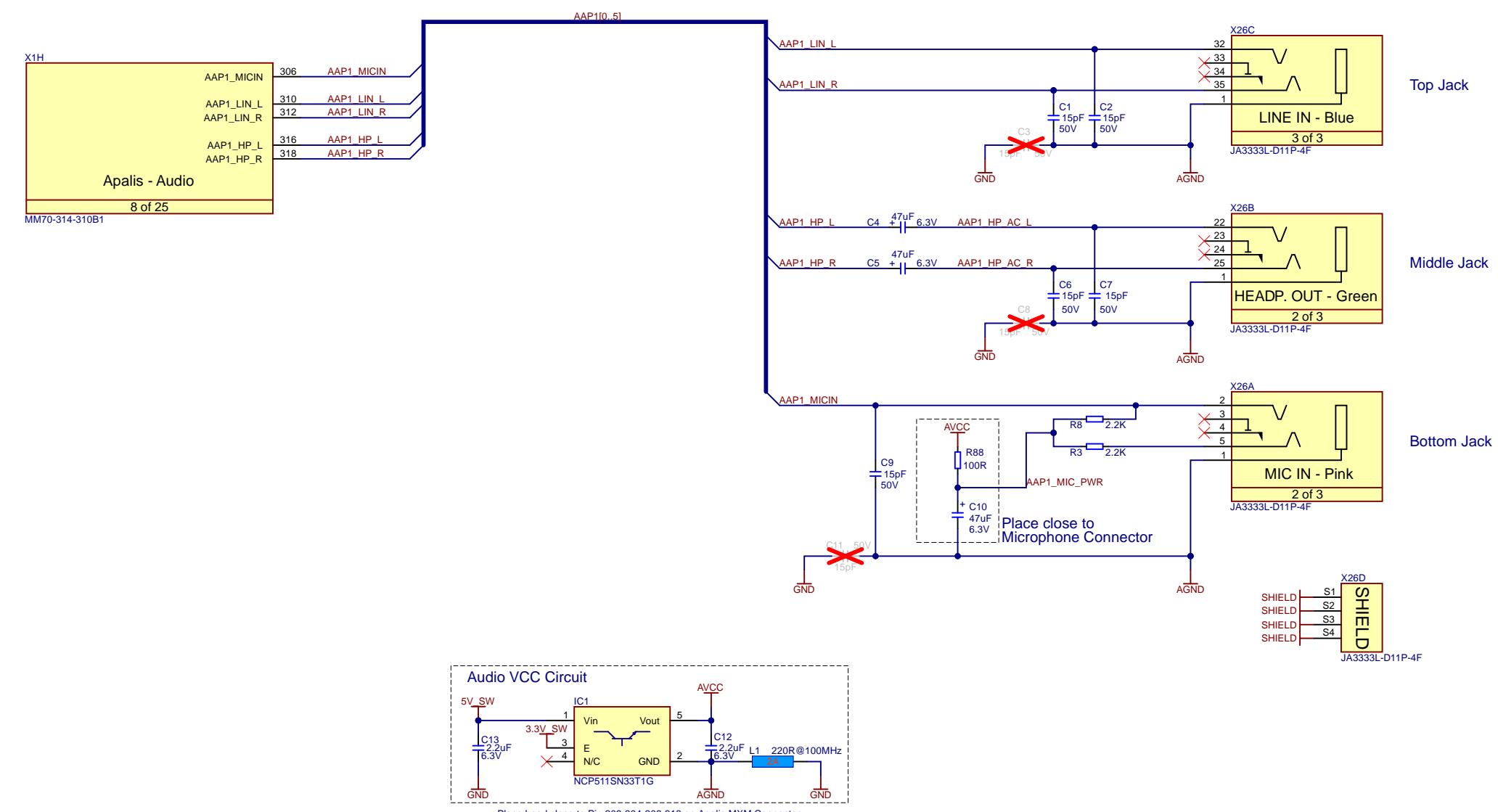


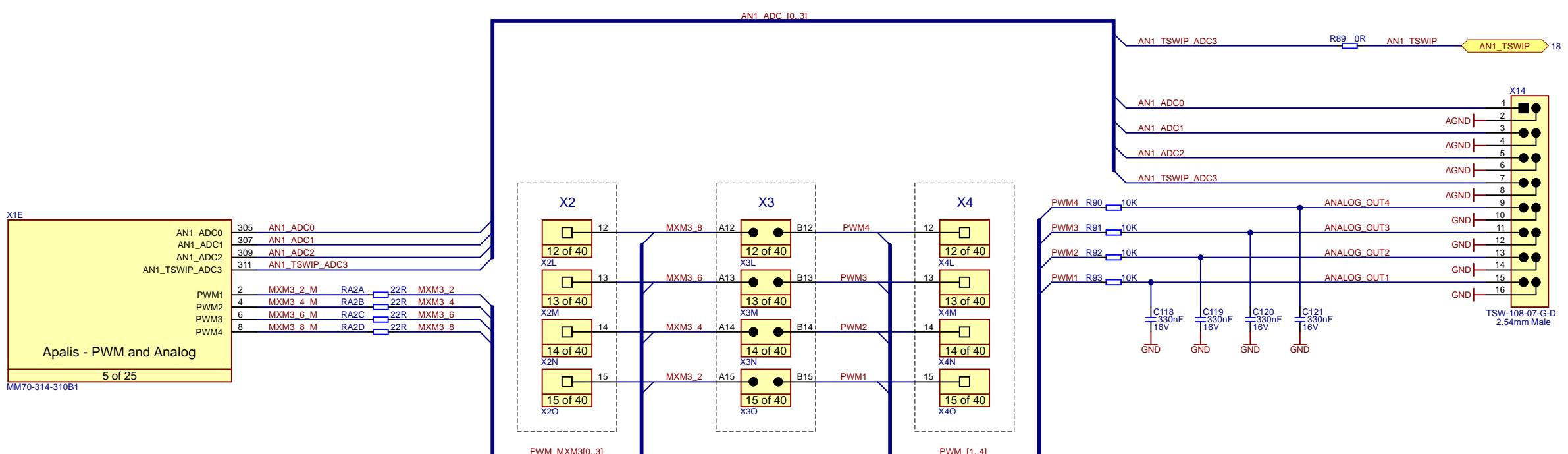


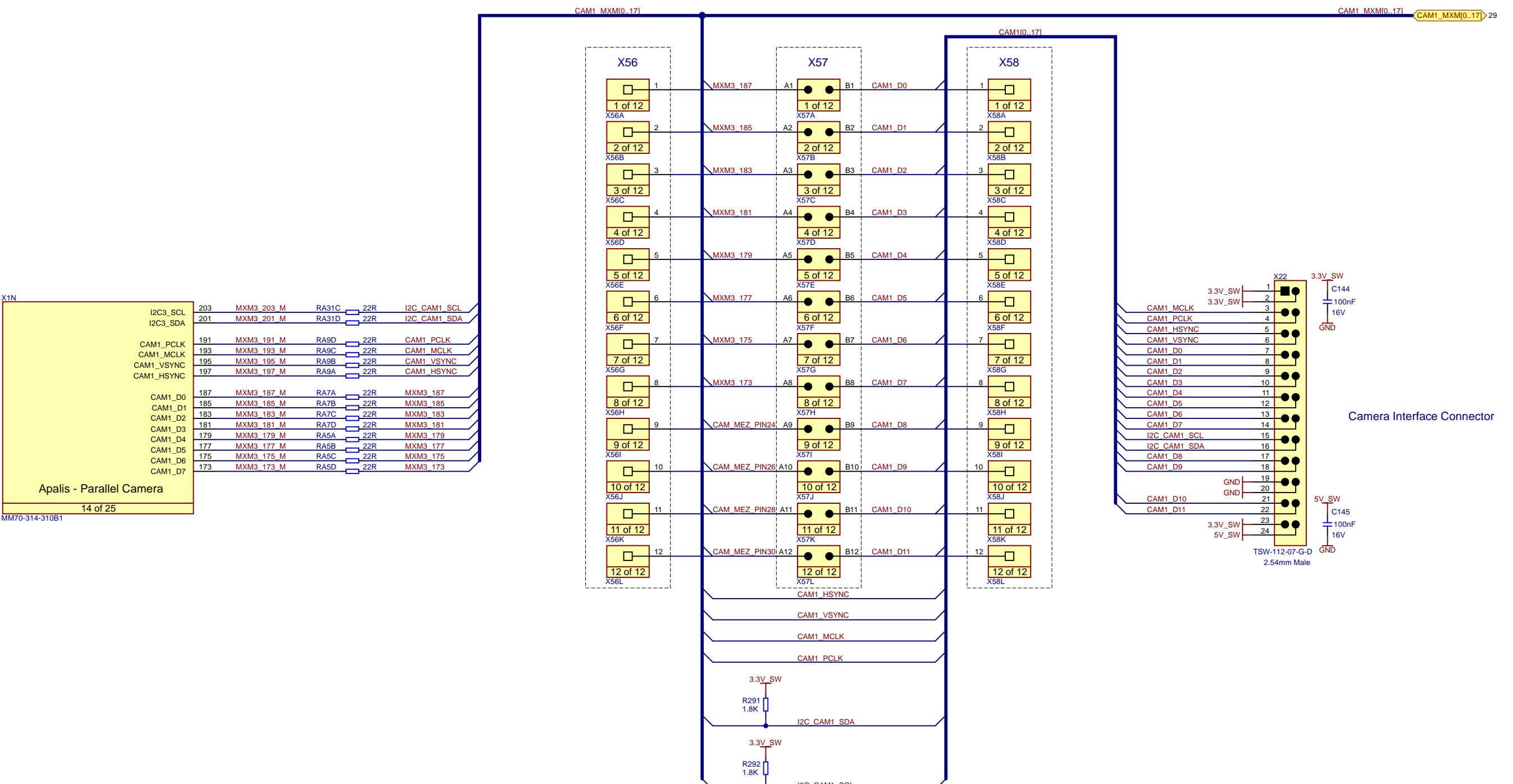


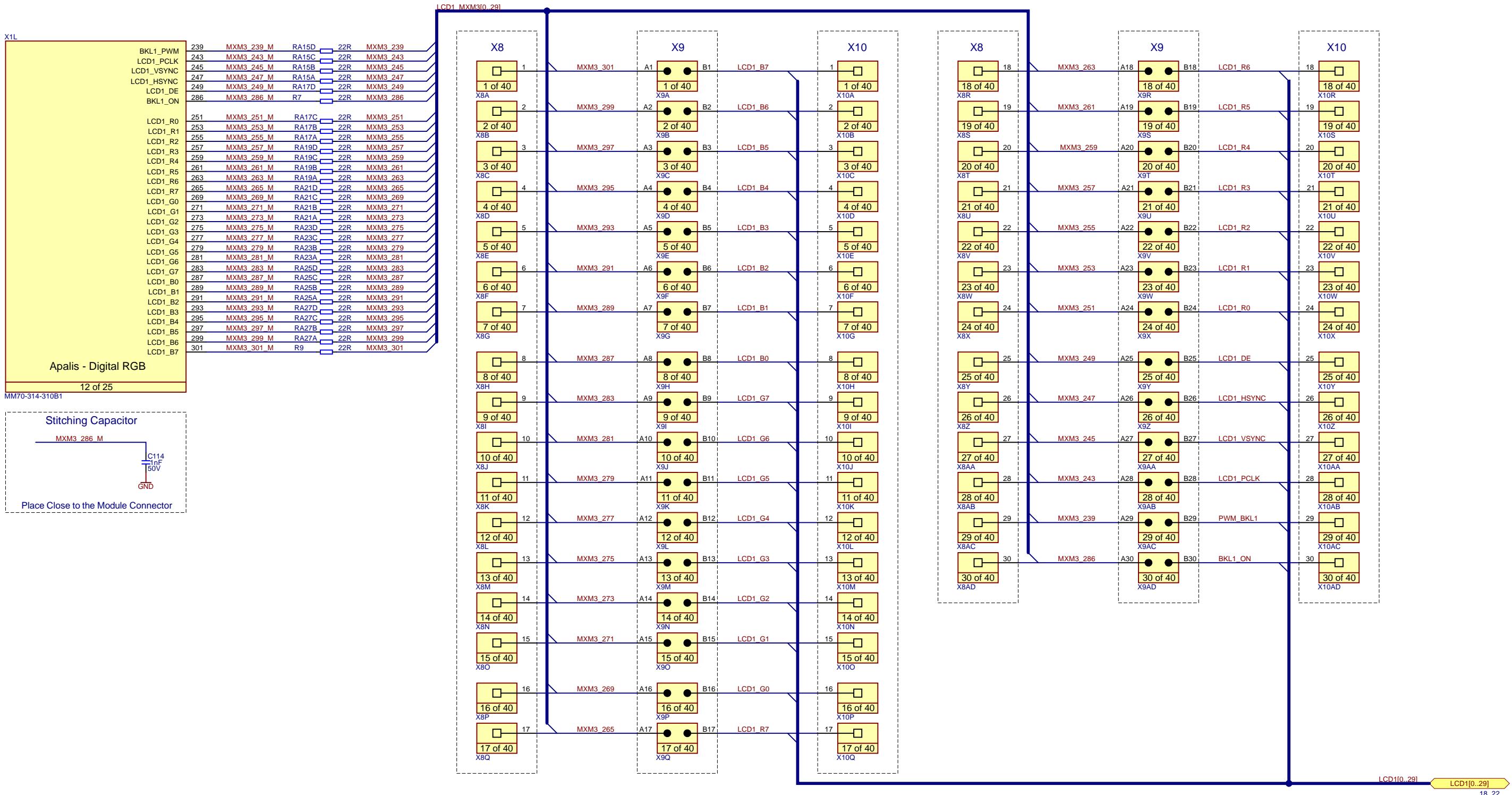
 **Toradex**
Swiss. Embedded. Computing.

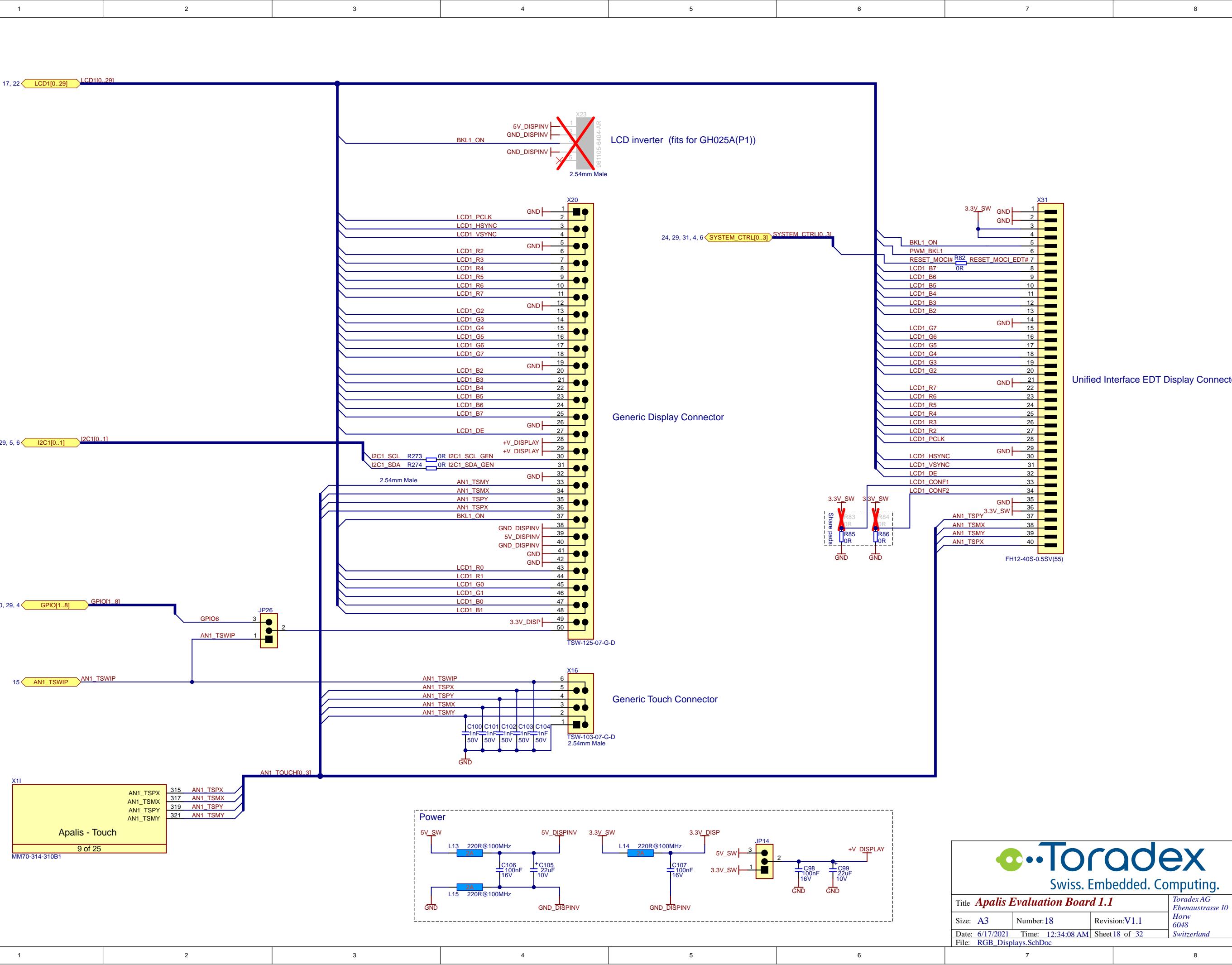
Title Apalis Evaluation Board 1.1			Toradex AG Ebenaustrasse 10 Horw 6048 Switzerland
Size: A3	Number: 13	Revision: V1.1	
Date: 6/17/2021	Time: 12:34:07 AM	Sheet 13 of 32	
File: SPDIF.SchDoc			











A

A

B

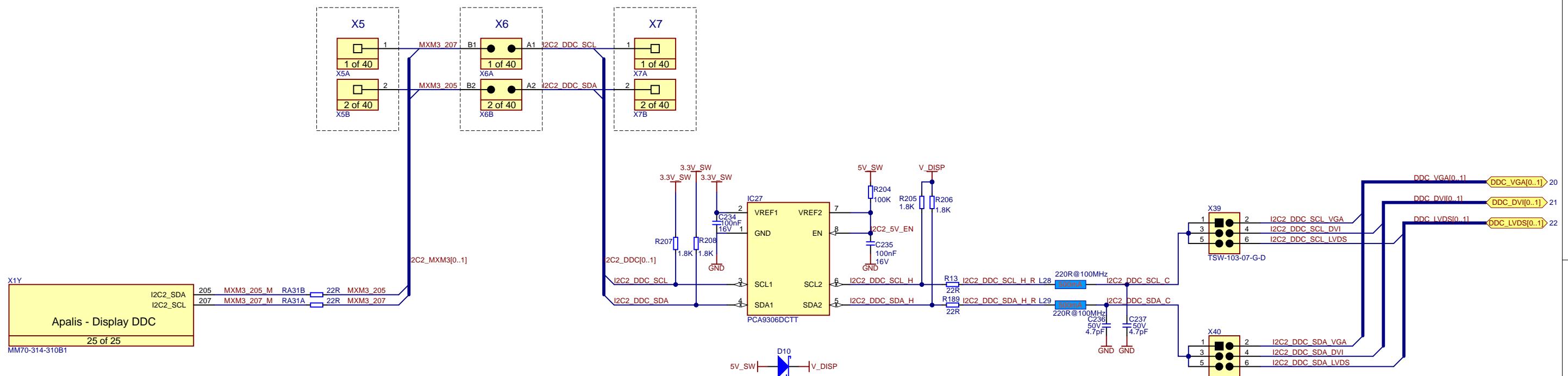
B

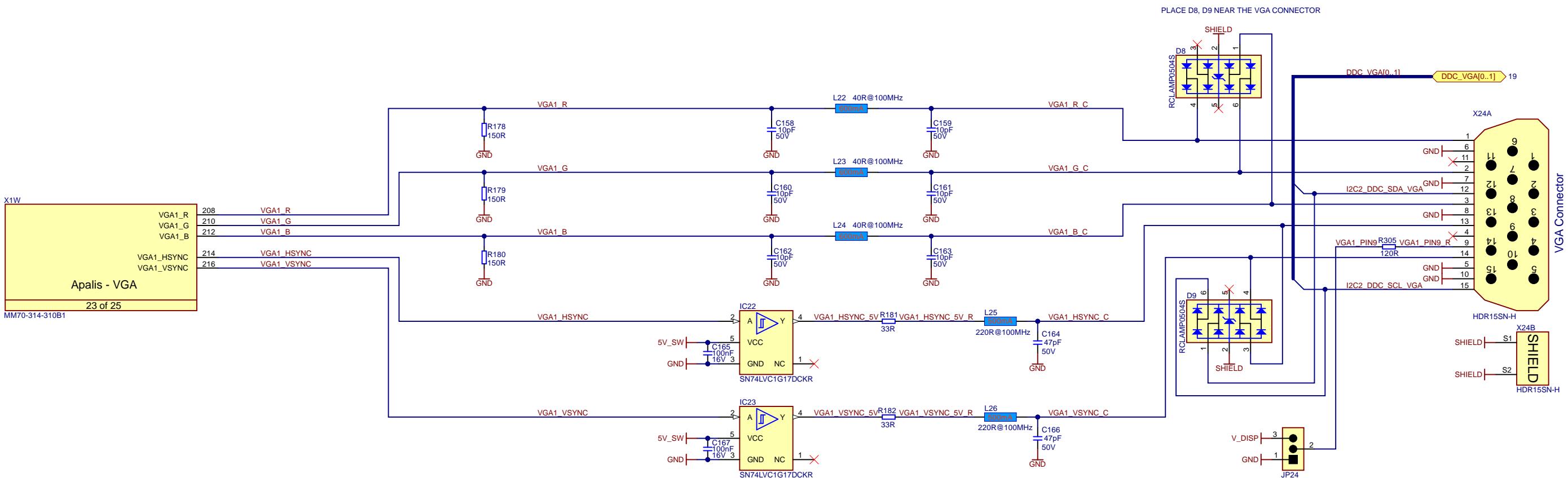
C

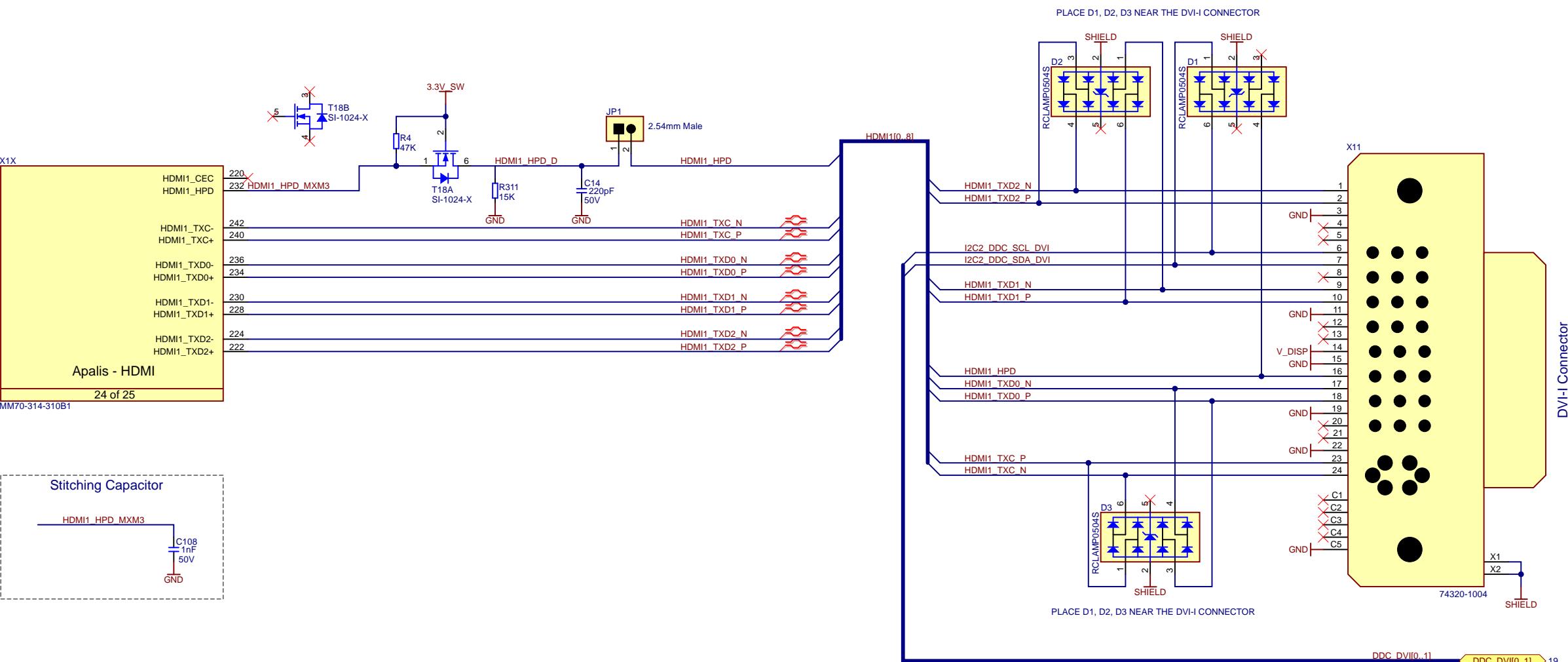
C

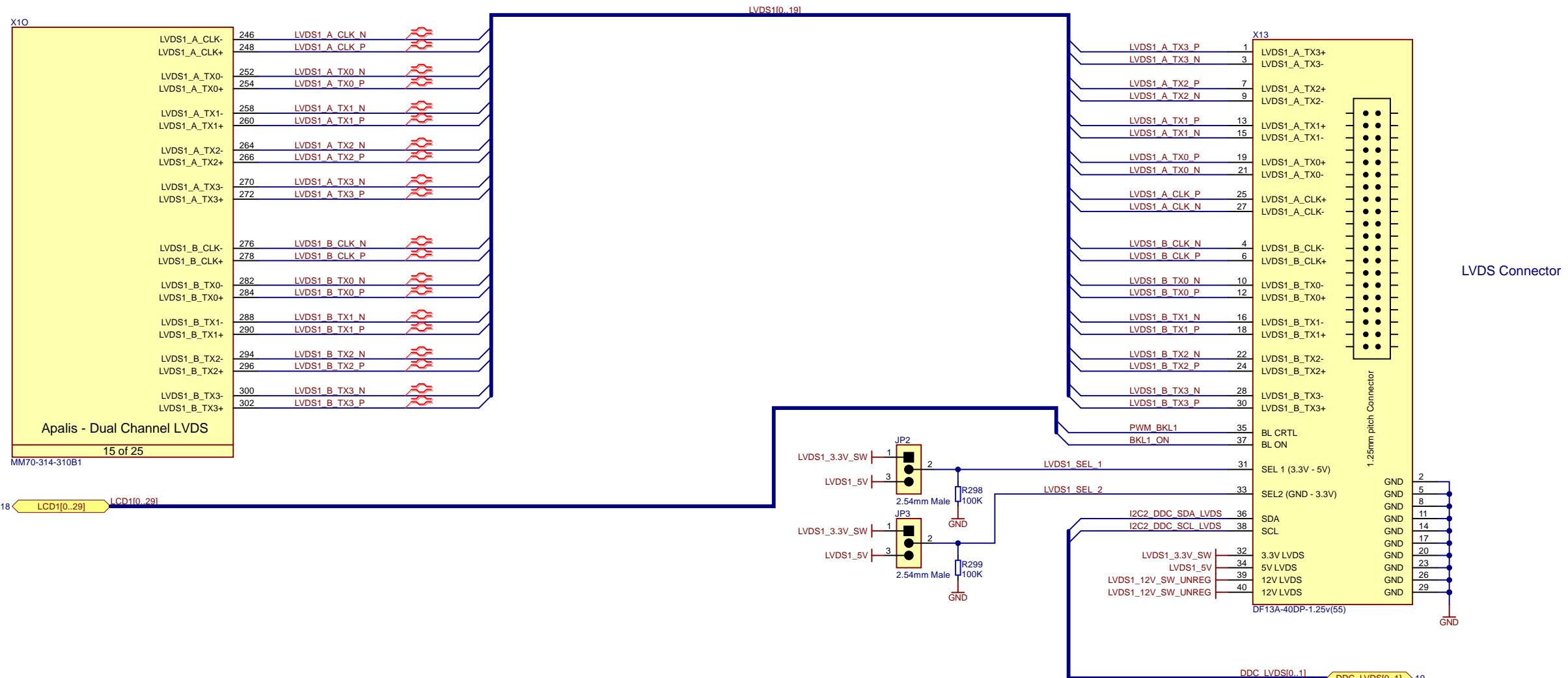
D

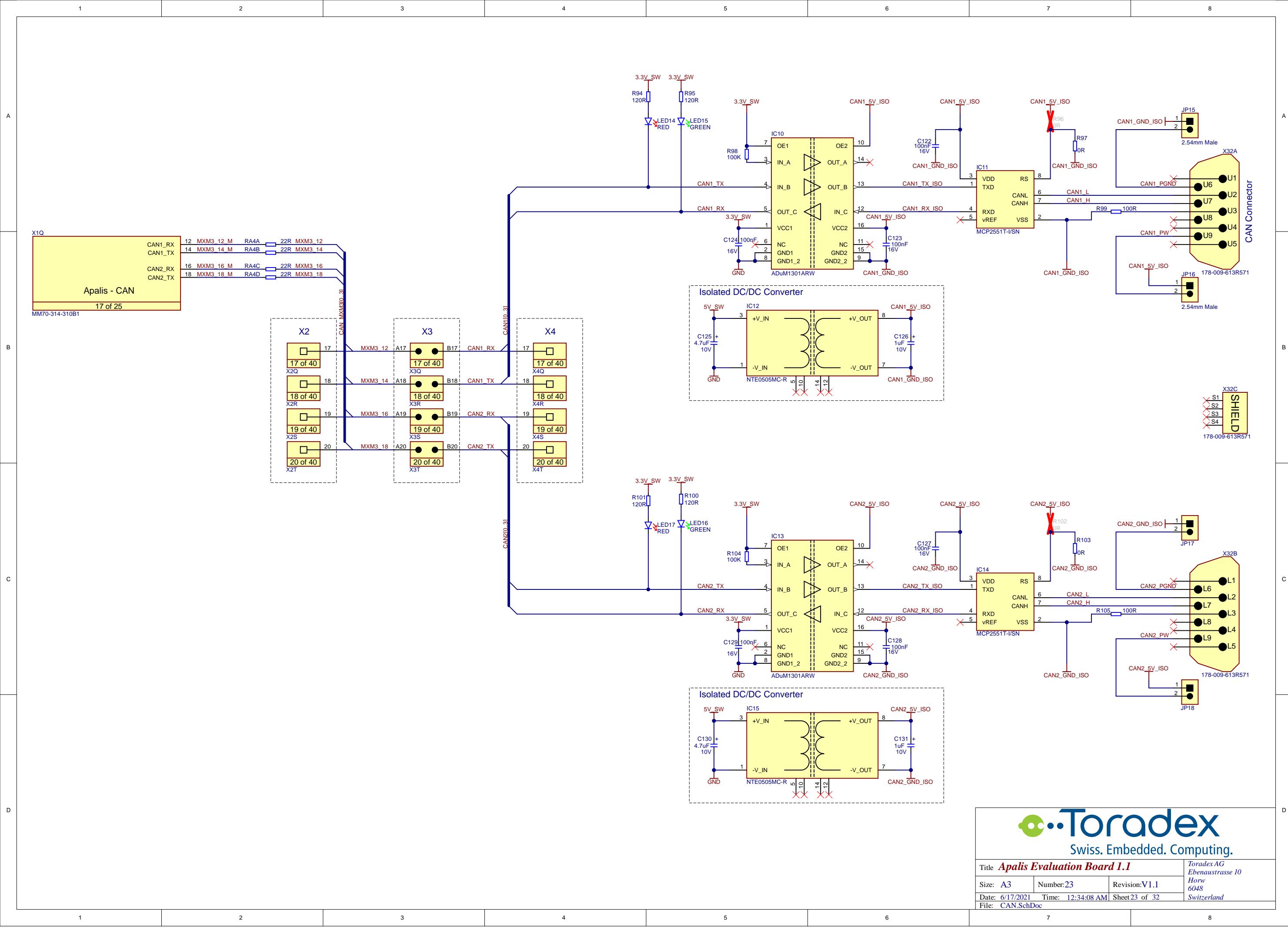
D

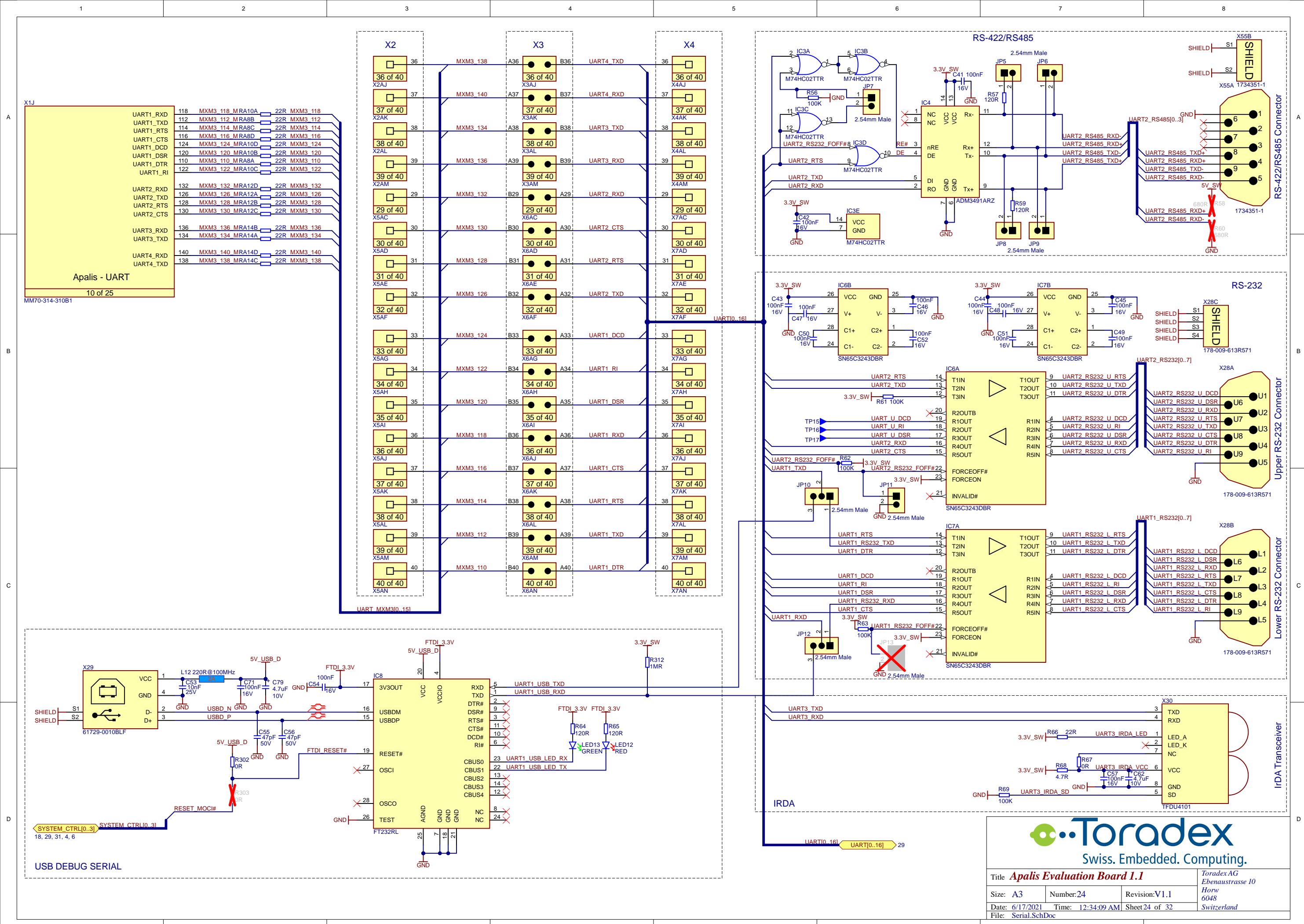


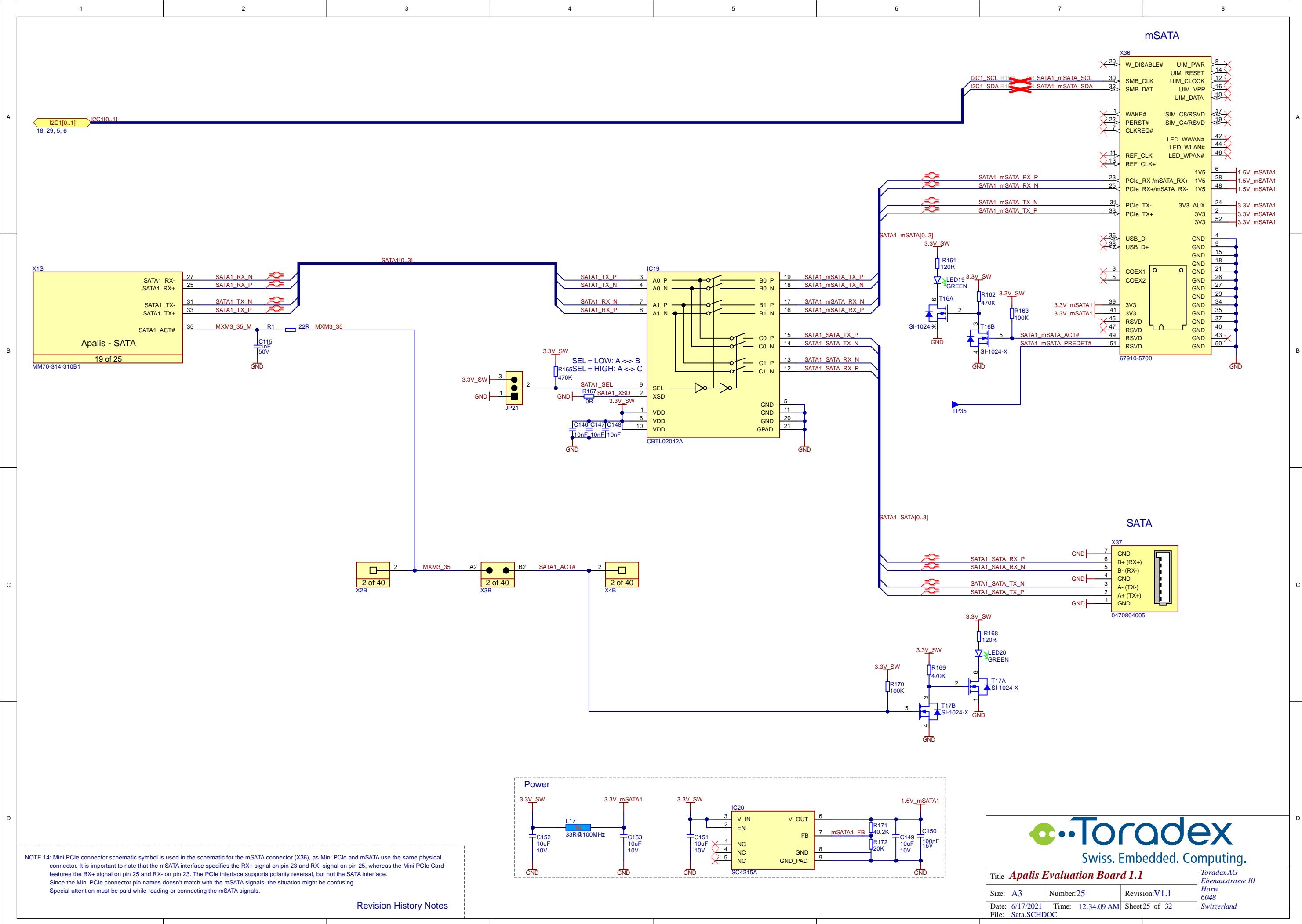


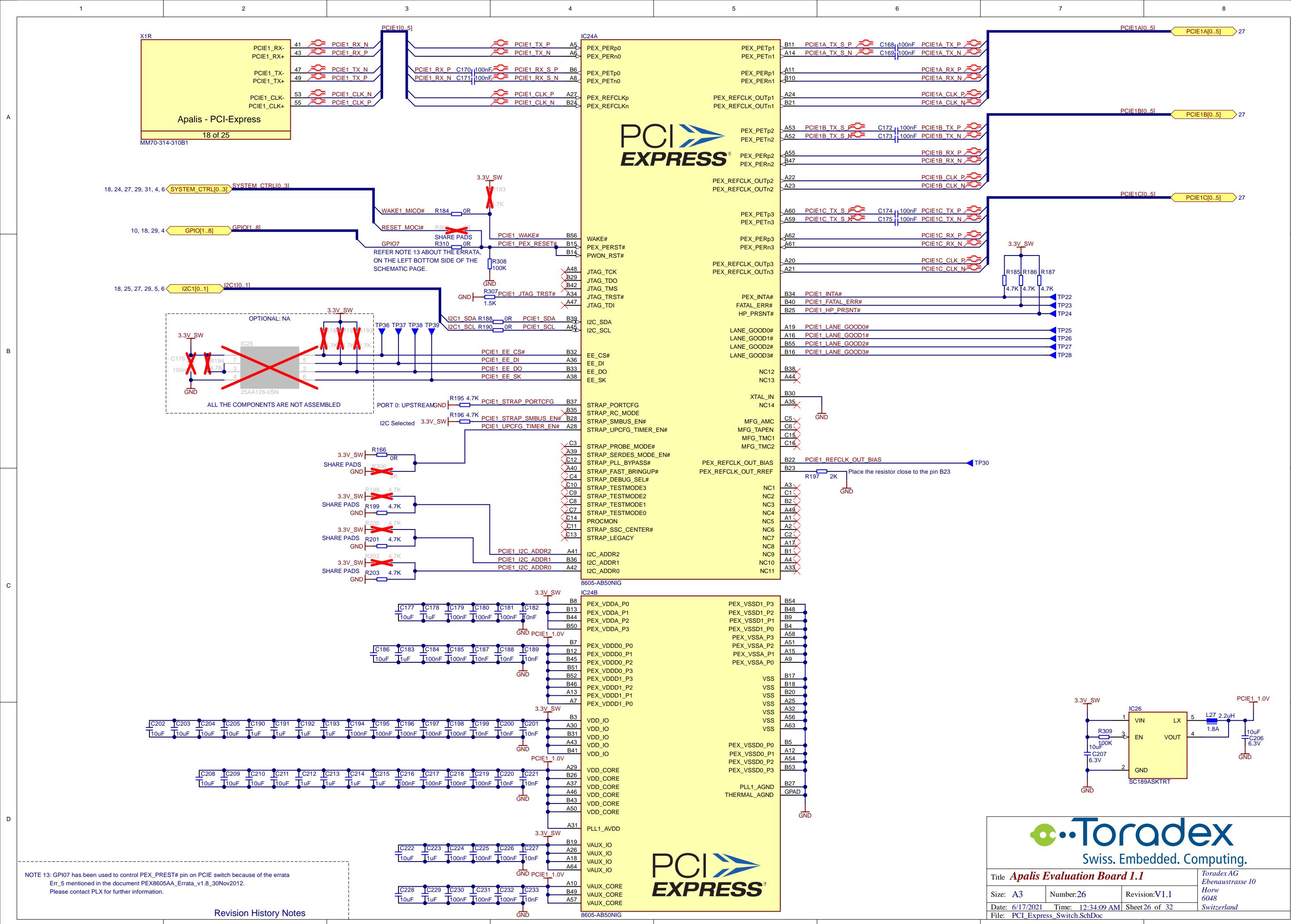


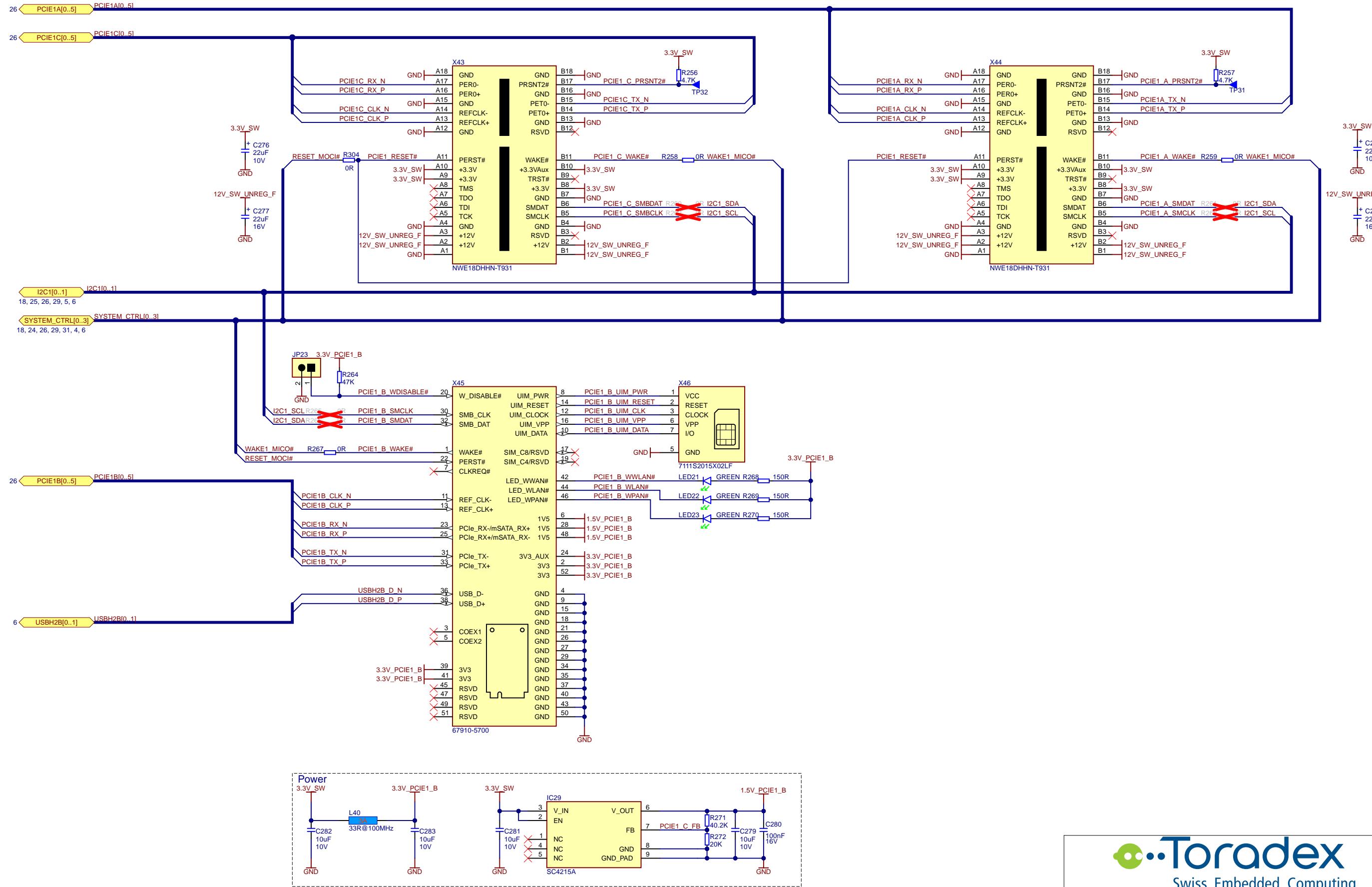






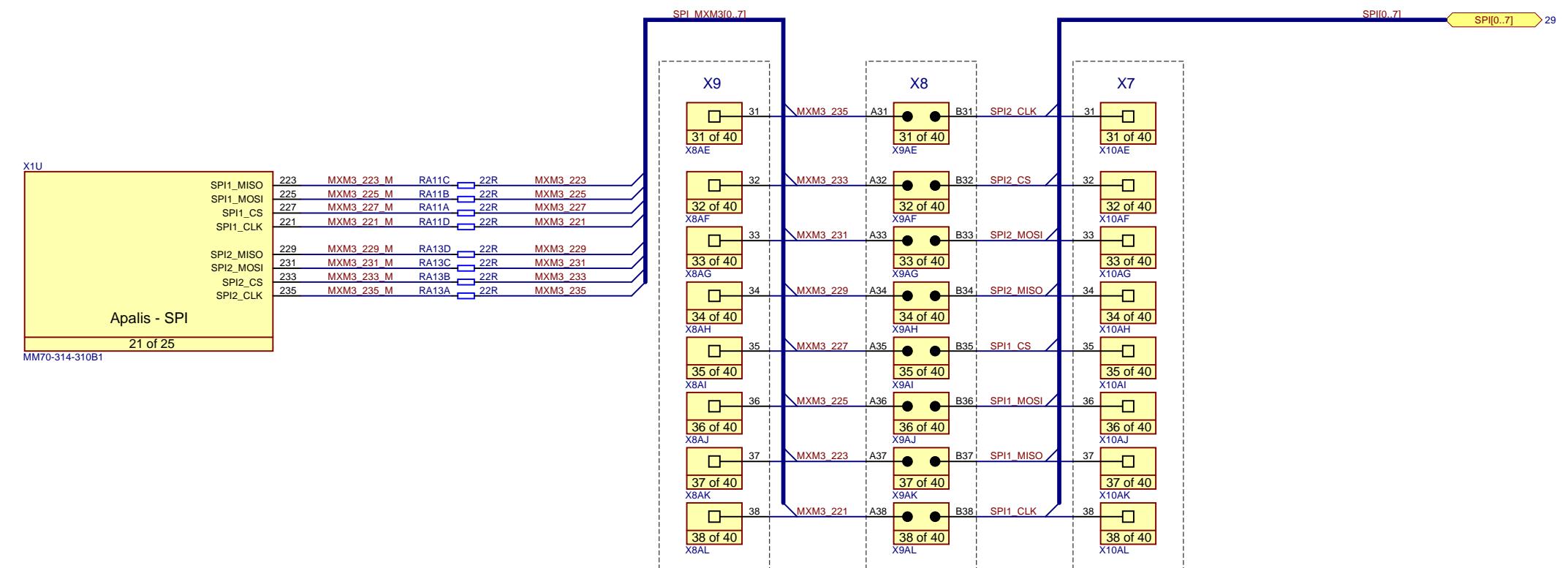


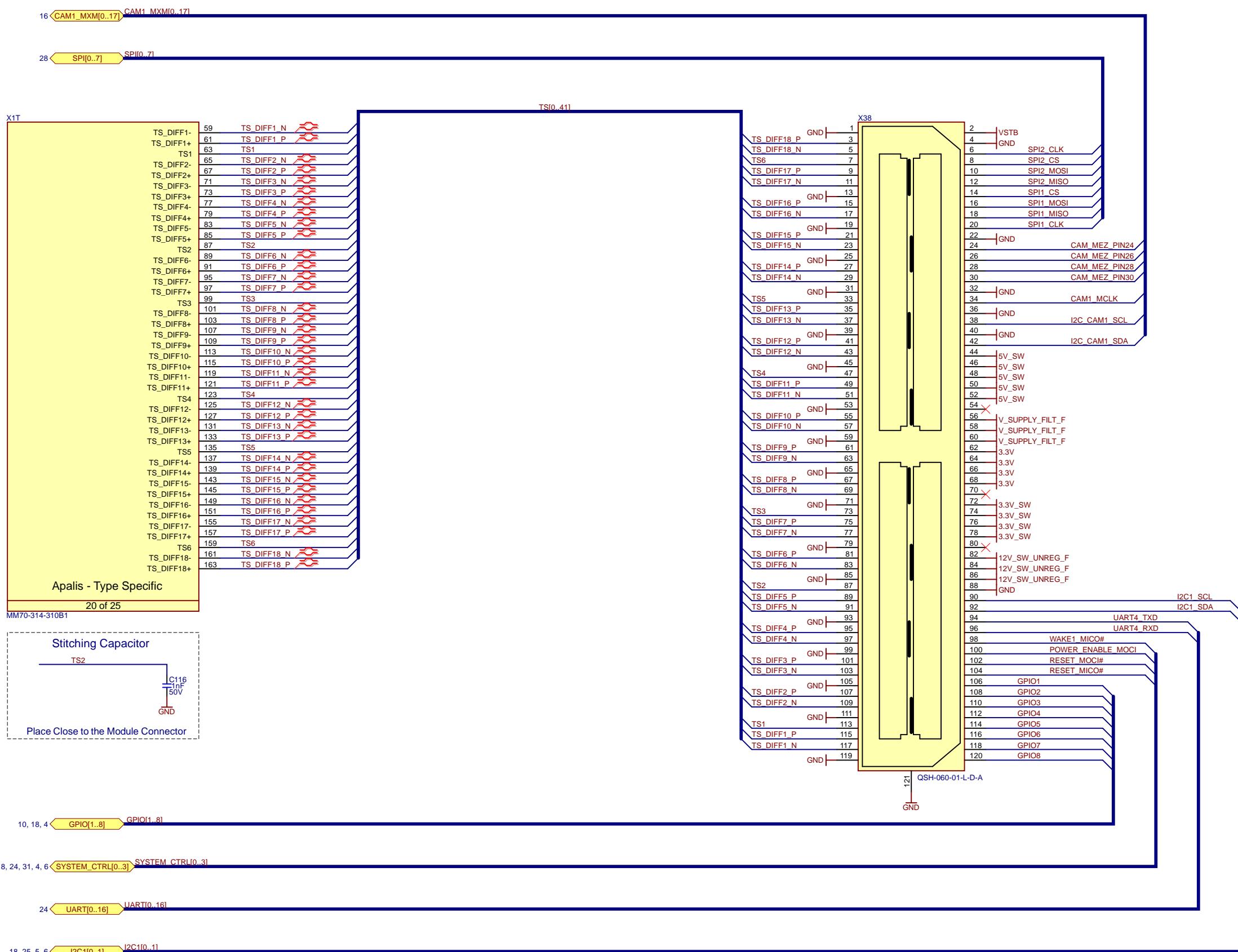


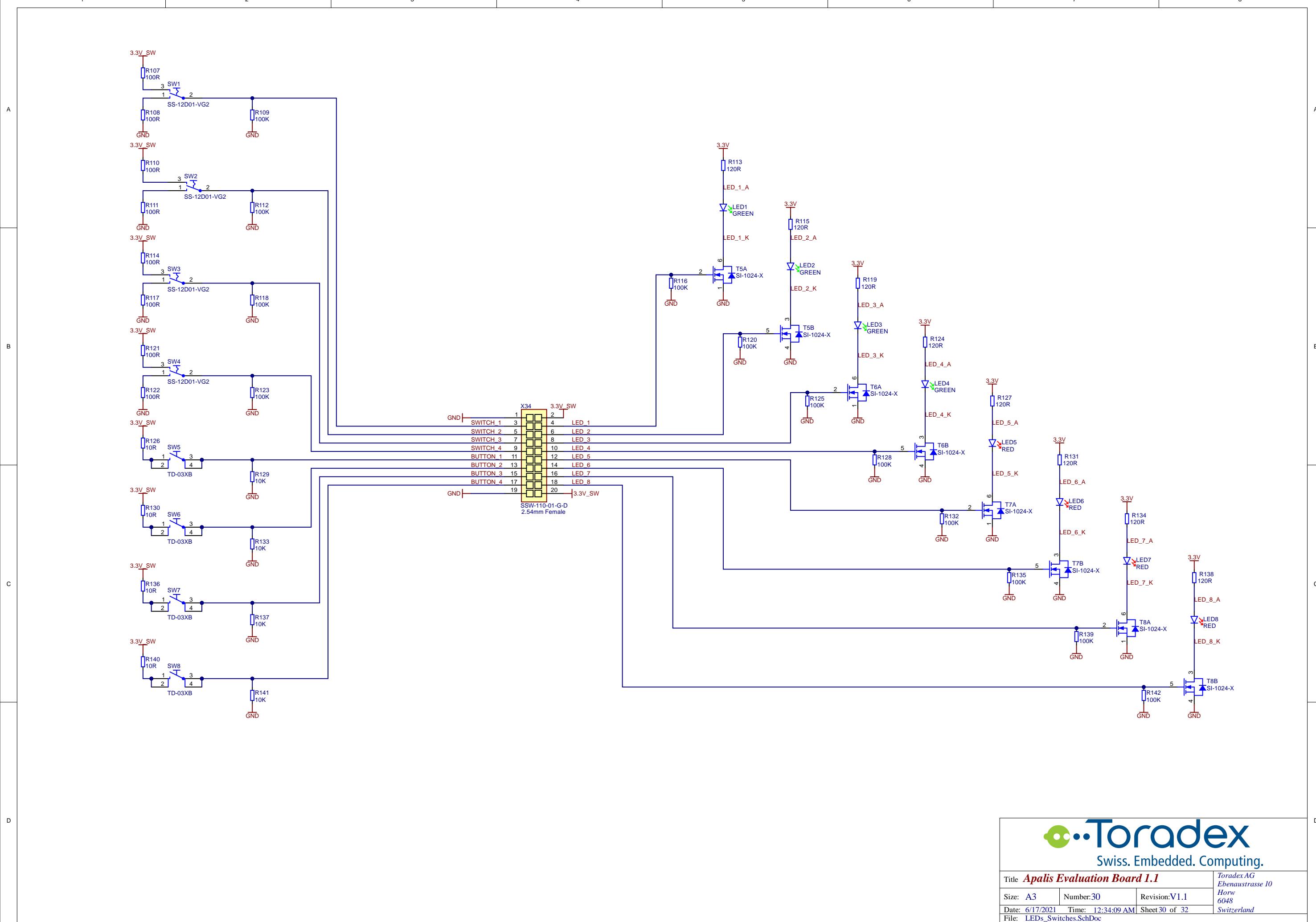


Toradex
Swiss. Embedded. Computing.

Title Apalis Evaluation Board 1.1			Toradex AG Ebenaustrasse 10 Horn 6048 Switzerland
Size: A3	Number: 27	Revision: V1.1	
Date: 6/17/2021	Time: 12:34:09 AM	Sheet 27 of 32	
File: PCI_Express_Connectors.SchDoc			







 **Toradex**
Swiss. Embedded. Computing.

Title Apalis Evaluation Board 1.1			Toradex AG Ebenaustrasse 10 Horw 6048 Switzerland
Size: A3	Number: 30	Revision: V1.1	
Date: 6/17/2021	Time: 12:34:09 AM	Sheet 30 of 32	
File: LEDs_Switches.SchDoc			

A

A

B

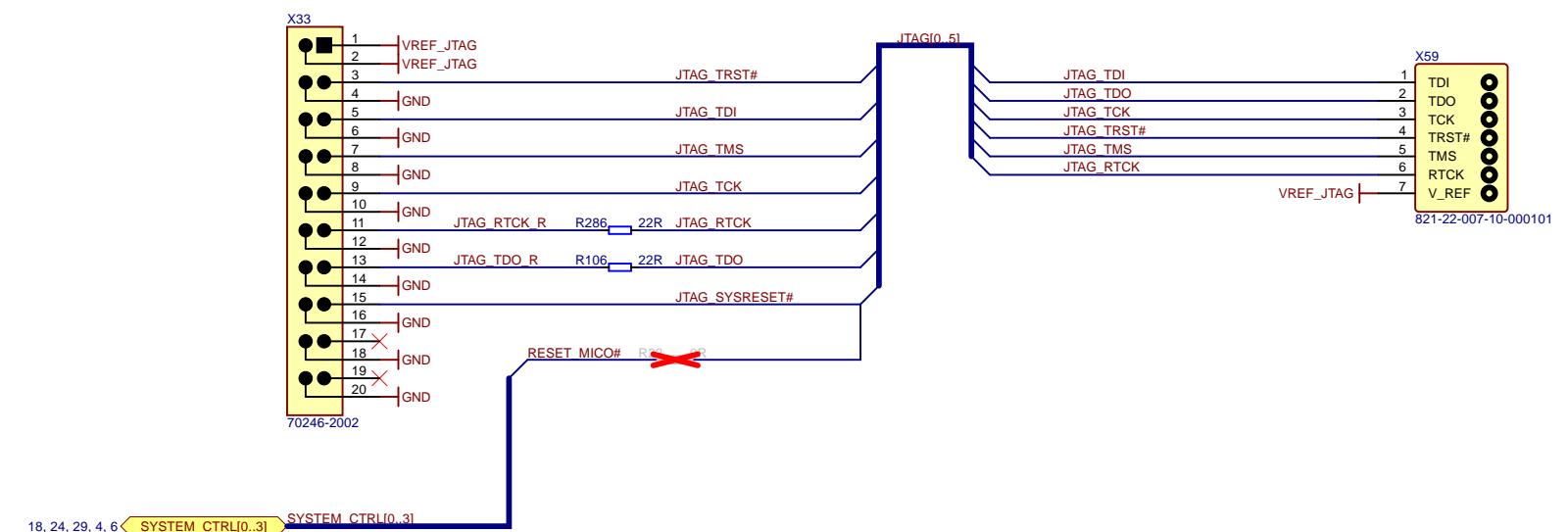
B

C

C

D

D



NOTE 15: Normally, JTAG interface is not required on the Apalis carrier board. For flashing and debugging purpose, the system Recovery mode over USB (USB01) and Serial Port (UART1) shall be used. On custom carrier board, customers are recommended to implement the JTAG interface only if it is necessary.

Revision History Notes



Title **Apalis Evaluation Board 1.1**

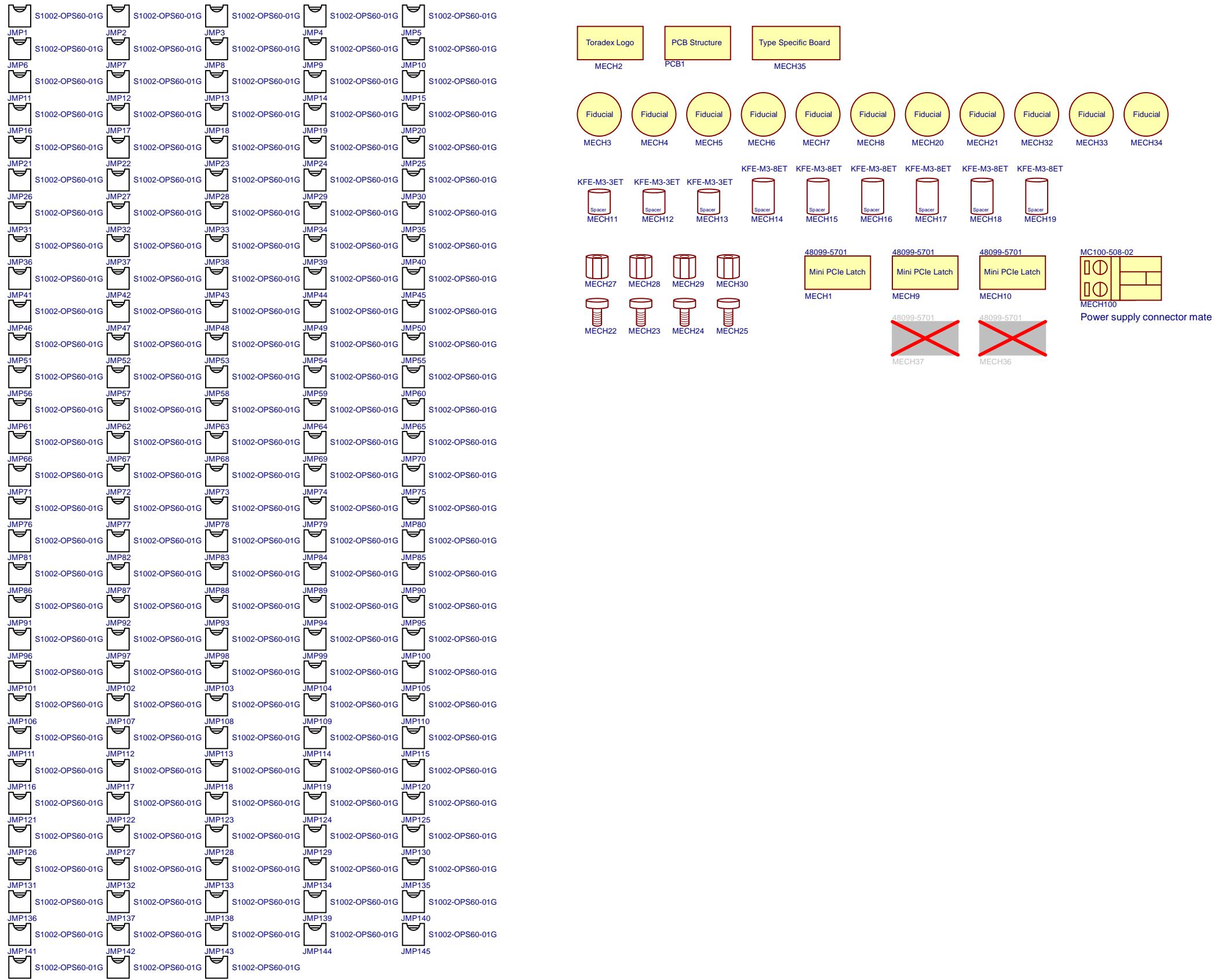
Toradex AG
Ebenaustrasse 10
Horw
6048

Size: **A3** Number: **31** Revision: **V1.1**

Switzerland

Date: **6/17/2021** Time: **12:34:10 AM** Sheet **31** of **32**

File: **JTAG.SchDoc**



 **Toradex**
Swiss. Embedded. Computing.

Title Apalis Evaluation Board 1.1			Toradex AG Ebenaustrasse 10 Horw 6048 Switzerland
Size: A3	Number: 32	Revision: V1.1	
Date: 6/17/2021	Time: 12:34:10 AM	Sheet 32 of 32	
File: Mechanical.SchDoc			