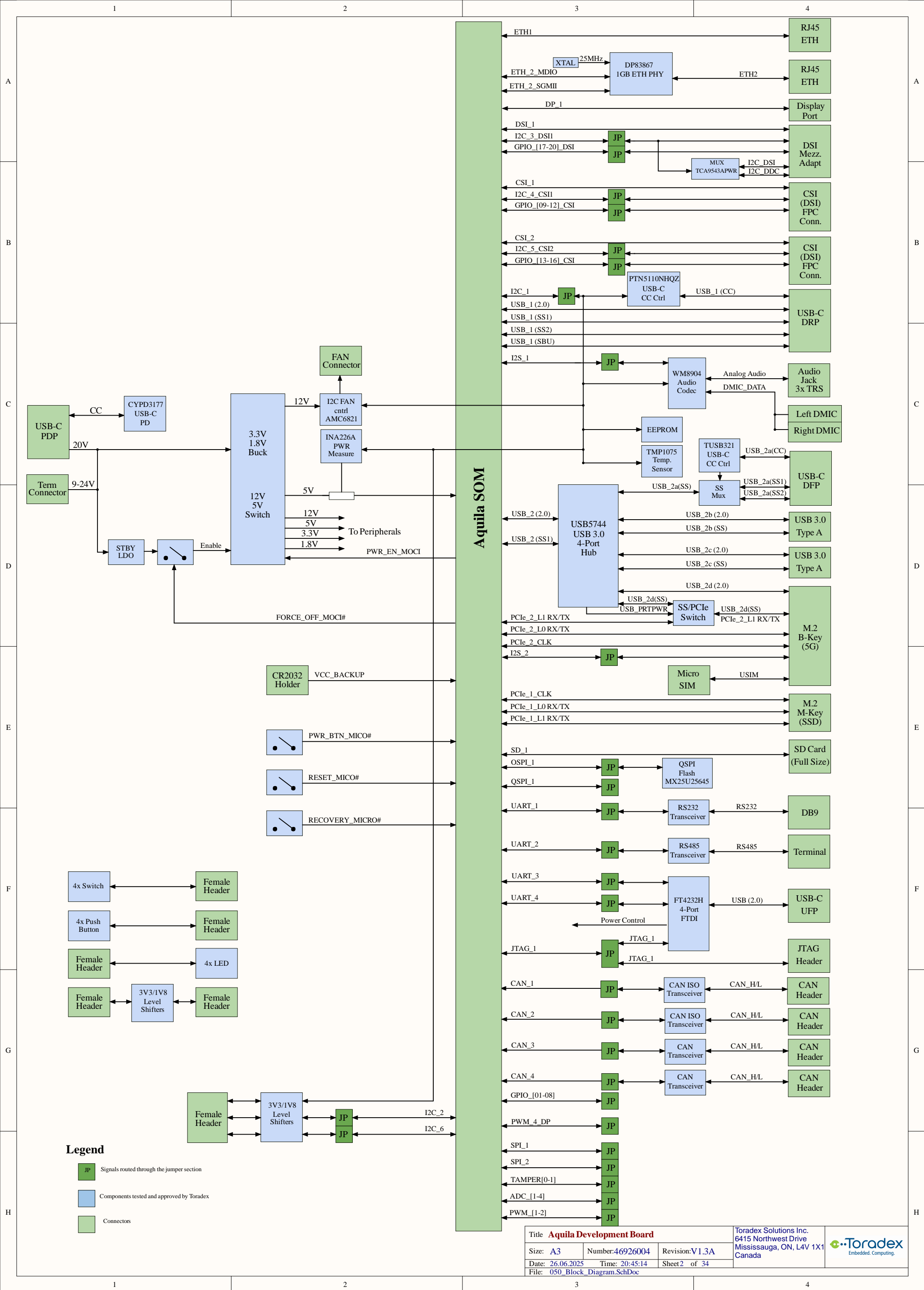
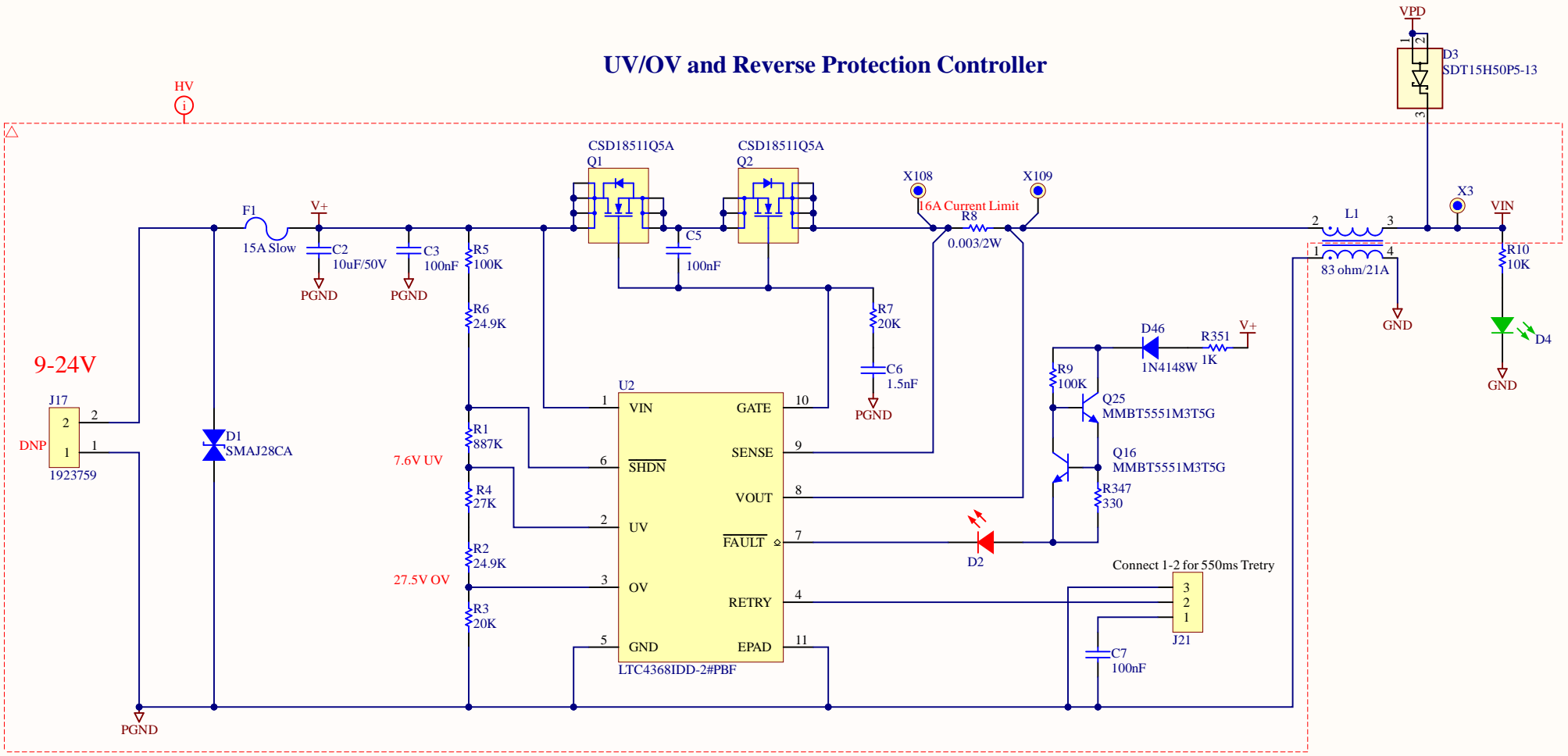


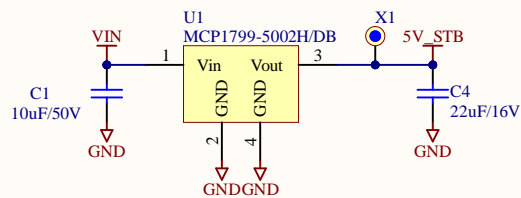
1	2	3	4
<div>050_Block_Diagram</div> <div>050_Block_Diagram.SchDoc</div> <div></div>	<div>U_227_JTAG</div> <div>227_JTAG.SchDoc</div> <div></div>	<div>U_410_M2_KeyM</div> <div>410_M2_KeyM.SchDoc</div> <div></div>	<div>U_800_Jumpers</div> <div>800_Jumpers.SchDoc</div> <div></div>
<div>U_100_Power_1</div> <div>100_Power_1.SchDoc</div> <div></div>	<div>U_230_SD_Card</div> <div>230_SD_Card.SchDoc</div> <div></div>	<div>U_420_MIPI_DSI</div> <div>420_MIPI_DSI.SchDoc</div> <div></div>	<div>U_810_Jumpers</div> <div>810_Jumpers.SchDoc</div> <div></div>
<div>U_120_Power_2</div> <div>120_Power_2.SchDoc</div> <div></div>	<div>U_300_USB1_OTG</div> <div>300_USB1_OTG.SchDoc</div> <div></div>	<div>U_445_CSI_1</div> <div>445_CSI_1.SchDoc</div> <div></div>	<div>U_900_Display_Port</div> <div>900_Display_Port.SchDoc</div> <div></div>
<div>U_140_Power_3</div> <div>140_Power_3.SchDoc</div> <div></div>	<div>U_305_USB_Hub</div> <div>305_USB_Hub.SchDoc</div> <div></div>	<div>U_450_CSI_2</div> <div>450_CSI_2.SchDoc</div> <div></div>	
<div>U_160_Power_4</div> <div>160_Power_4.SchDoc</div> <div></div>	<div>U_310_USB3</div> <div>310_USB3.SchDoc</div> <div></div>	<div>U_500_CAN</div> <div>500_CAN.SchDoc</div> <div></div>	
<div>U_200_Aquila</div> <div>200_Aquila.SchDoc</div> <div></div>	<div>U_315_USBC_DFP</div> <div>315_USBC_DFP.SchDoc</div> <div></div>	<div>U_510_ISO_CAN</div> <div>510_ISO_CAN.SchDoc</div> <div></div>	
<div>U_210_Translators</div> <div>210_Translators.SchDoc</div> <div></div>	<div>U_325_USB_PowerDelivery</div> <div>325_USB_PowerDelivery.SchDoc</div> <div></div>	<div>U_540_Audio</div> <div>540_Audio.SchDoc</div> <div></div>	
<div>215_Translators2</div> <div>215_Translators2.SchDoc</div> <div></div>	<div>U_350_Ethernet</div> <div>350_Ethernet.SchDoc</div> <div></div>	<div>U_600_Peripherals</div> <div>600_Peripherals.SchDoc</div> <div></div>	
<div>U_220_Debug</div> <div>220_Debug.SchDoc</div> <div></div>	<div>U_360_Ethernet2</div> <div>360_Ethernet2.SchDoc</div> <div></div>	<div>U_620_Peripherals2</div> <div>620_Peripherals2.SchDoc</div> <div></div>	
<div>U_225_Debug2</div> <div>225_Debug2.SchDoc</div> <div></div>	<div>U_400_M2_KeyB</div> <div>400_M2_KeyB.SchDoc</div> <div></div>	<div>U_700_RS232_RS485</div> <div>700_RS232_RS485.SchDoc</div> <div></div>	
<div>Fiducials Top Layer</div> <div> <div>FID1</div> <div>FID</div> <div>d=1.0mm</div> </div> <div> <div>FID4</div> <div>FID</div> <div>d=1.0mm</div> </div> <div> <div>FID6</div> <div>FID</div> <div>d=1.0mm</div> </div> <div>Fiducials Bottom Layer</div> <div> <div>FID2</div> <div>FID</div> <div>d=1.0mm</div> </div> <div> <div>FID3</div> <div>FID</div> <div>d=1.0mm</div> </div> <div> <div>FID5</div> <div>FID</div> <div>d=1.0mm</div> </div>	<div>Mounting Holes</div> <div> <div>H1</div> <div>Hole</div> <div>SHLD1</div> </div> <div> <div>H2</div> <div>Hole</div> <div>SHLD2</div> </div> <div> <div>H3</div> <div>Hole</div> <div>SHLD3</div> </div> <div> <div>H4</div> <div>Hole</div> <div>SHLD4</div> </div> <div>Bumpers</div> <div> <div>MP1</div> <div>MP2</div> <div>MP3</div> <div>MP4</div> <div>MP5</div> <div>MP6</div> <div>MP7</div> <div>MP8</div> <div>MP9</div> <div>MP10</div> </div> <div> <div>LBL1</div> <div>Toradex Logo</div> <div>MECH1</div> </div>	<div>Title</div> <div>Aquila Development Board</div> <div>Size: Letter</div> <div>Number:46926004</div> <div>Revision:V1.3A</div> <div>Date: 26.06.2025</div> <div>Time: 20:45:13</div> <div>Sheet 1 of 34</div> <div>File: 000_Main.SchDoc</div>	<div>Toradex Solutions Inc.</div> <div>6415 Northwest Drive</div> <div>Mississauga, ON, L4V 1X1</div> <div>Canada</div> <div> </div>
1	2	3	4



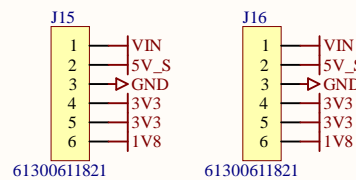
UV/OV and Reverse Protection Controller



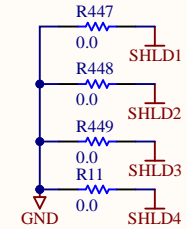
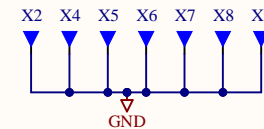
5V Standby



Power Out



GND Test Points



Title **Aquila Development Board**

Size: **Letter**

Number: **46926004**

Revision: **V1.3A**

Date: **26.06.2025**

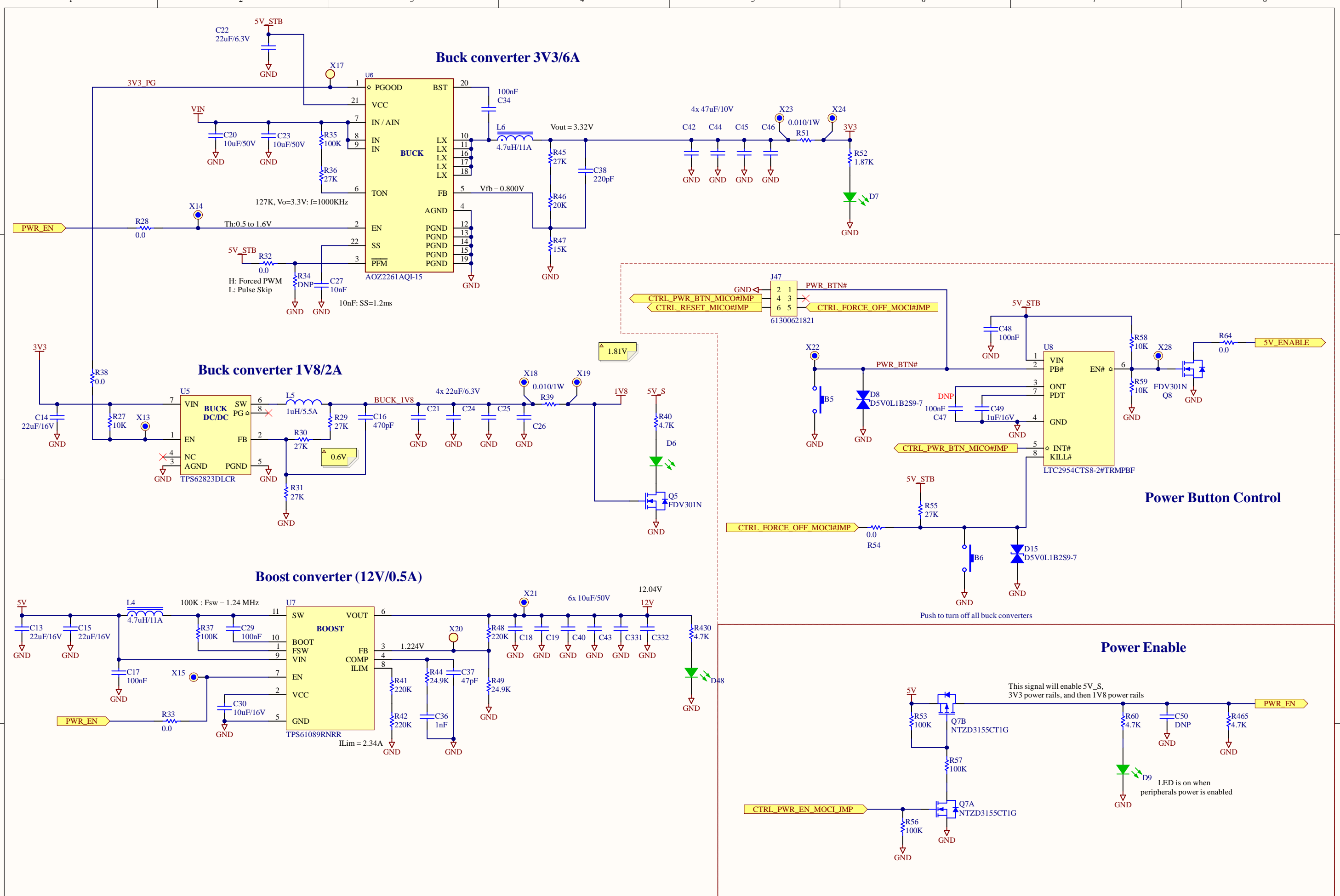
Time: **20:45:14**

Sheet **3** of **34**

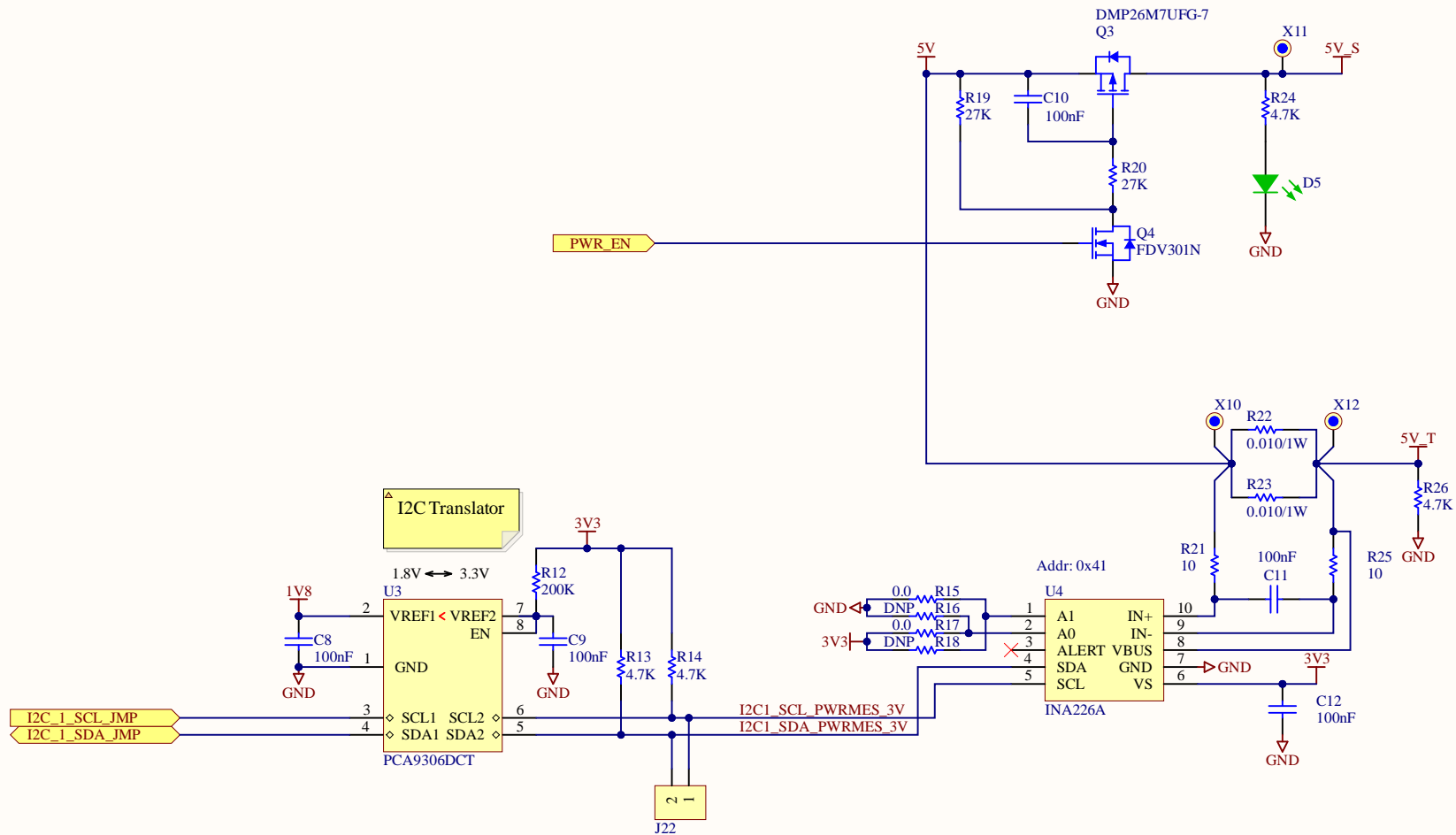
File: **100_Power_1.SchDoc**

Linear Computing Inc.
6415 Northwest Drive
Mississauga, ON, L4V1X1
Canada

Toradex
Embedded Computing.



Switched 5V



Title **Aquila Development Board**

Size: **Letter**

Number: **46926004**

Revision: **V1.3A**

Date: **26.06.2025**

Time: **20:45:14**

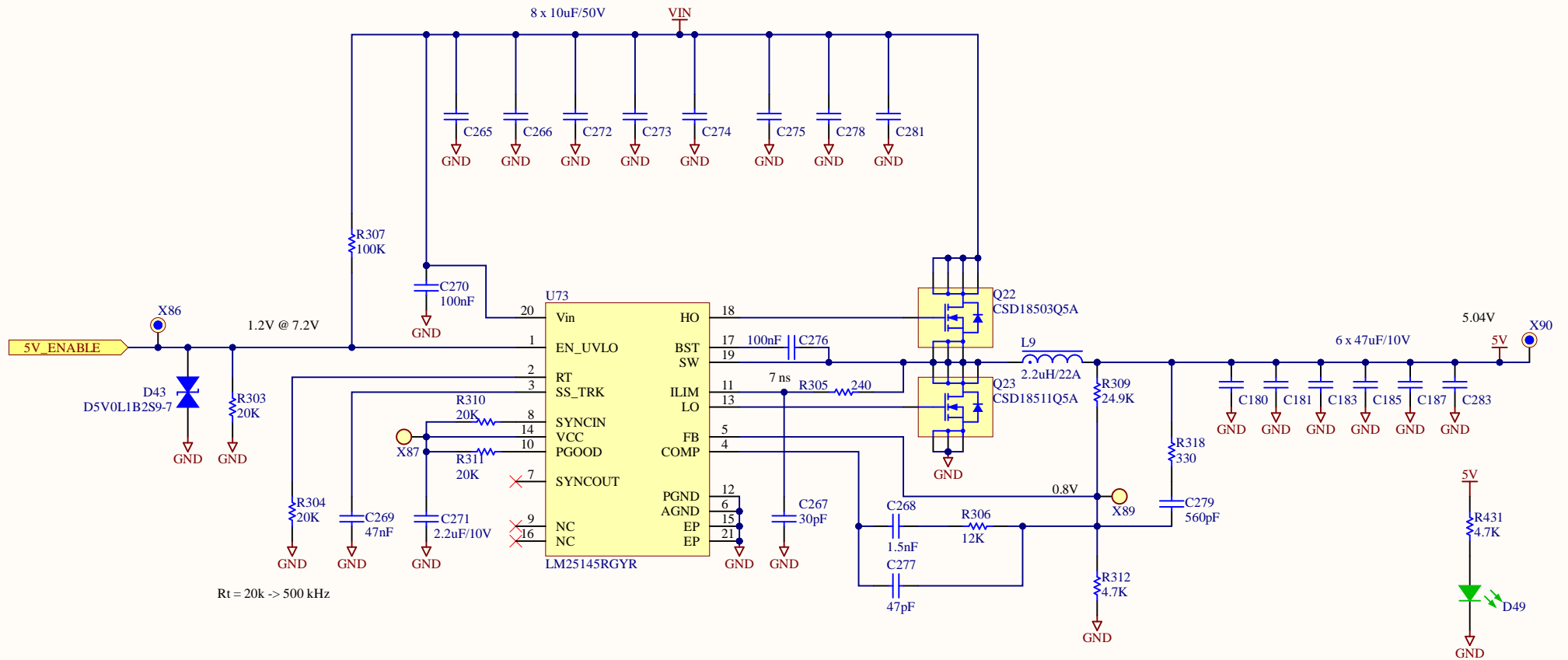
Sheet **5** of **34**


File: **140_Power_3.SchDoc**

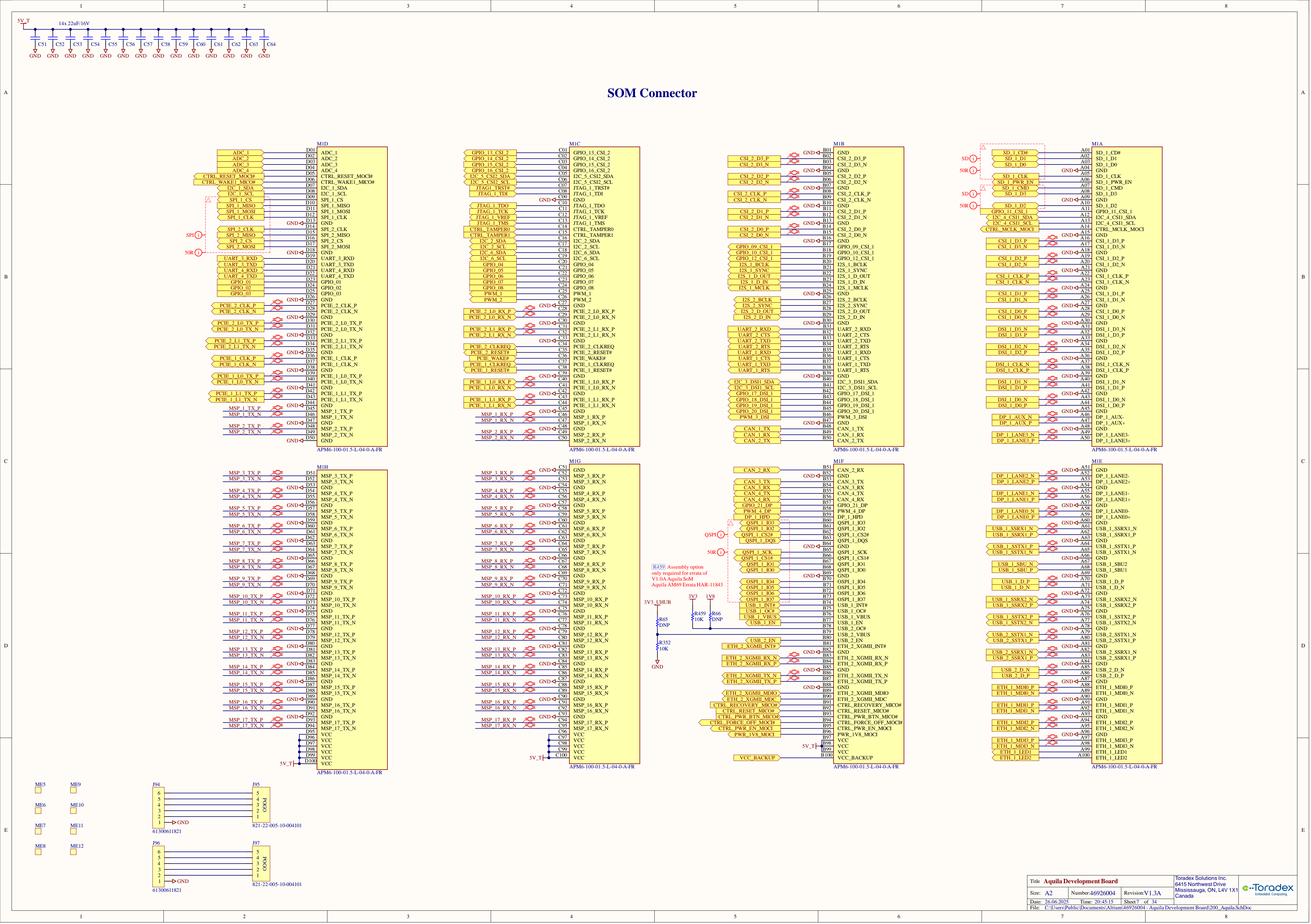
Toradex Solutions Inc.
6415 Northwest Drive
Mississauga, ON, L4V 1X1
Canada



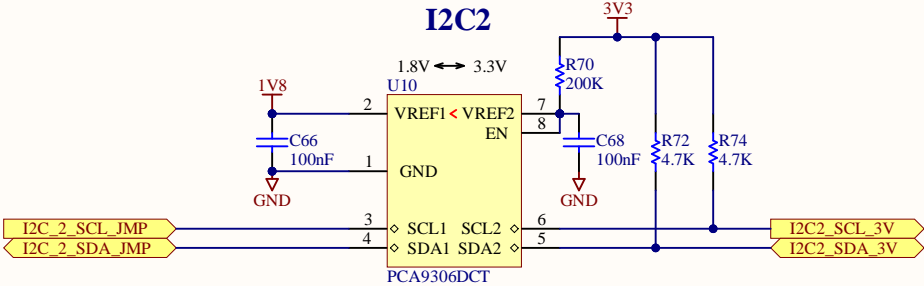
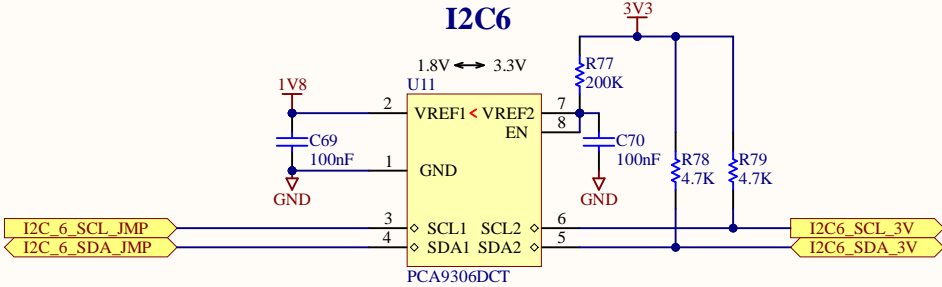
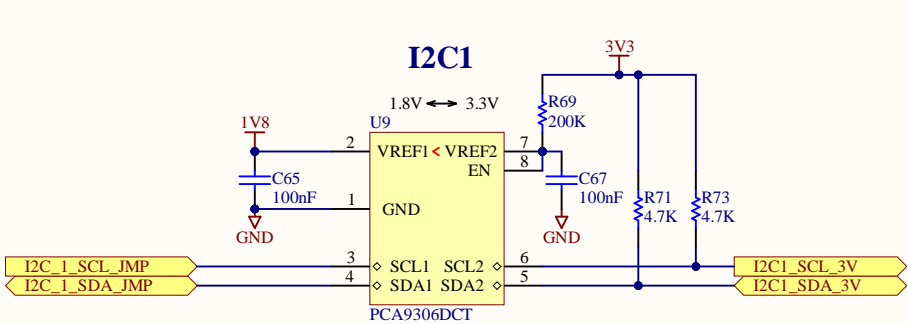
Step-Down DC/DC 5V/15A



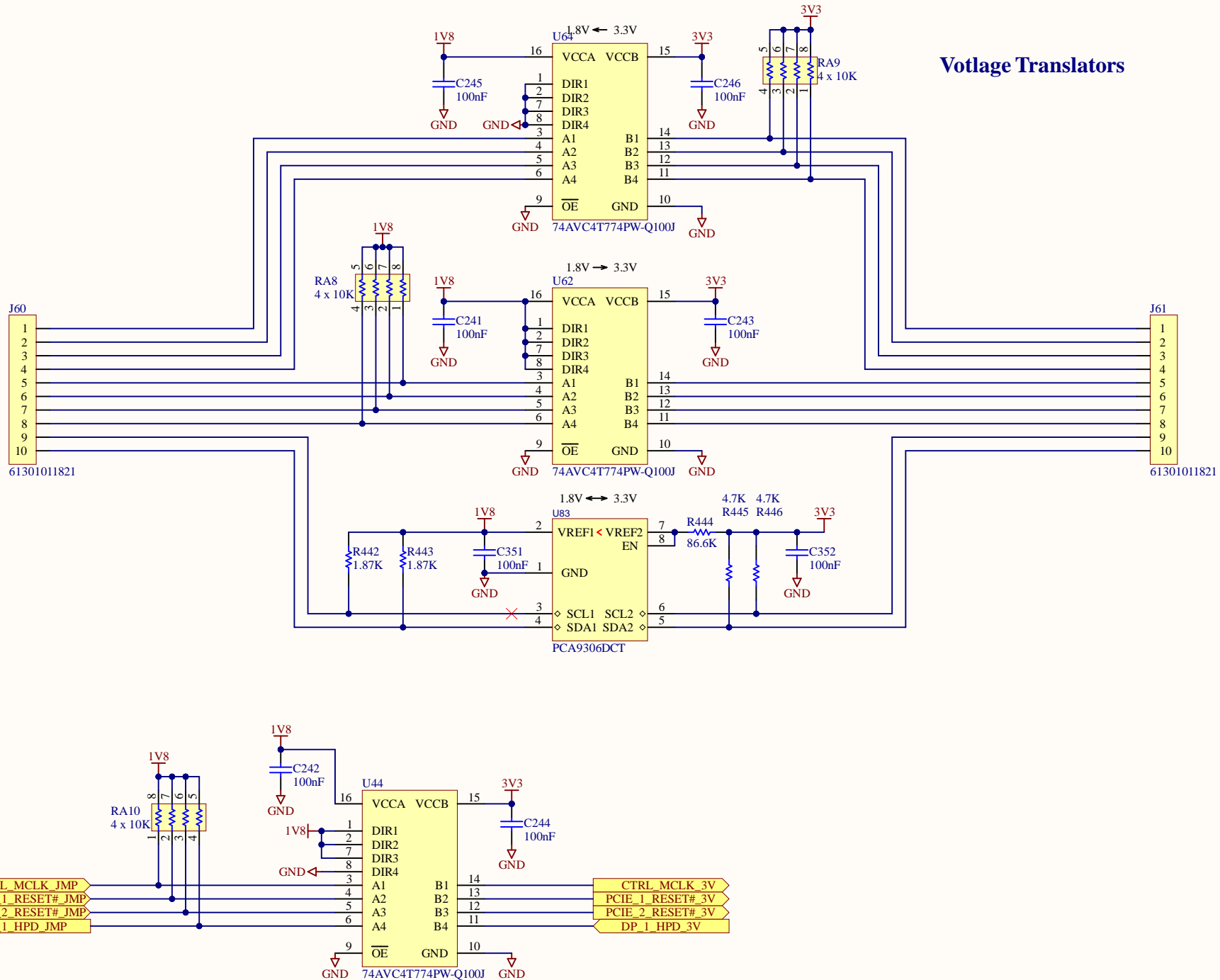
Title Aquila Development Board			Toradex Solutions Inc. 6415 Northwest Drive Mississauga, ON, L4V 1X1 Canada	 Embedded. Computing.
Size: Letter	Number: 46926004	Revision: V1.3A		
Date: 26.06.2025	Time: 20:45:14	Sheet 6 of 34		
File: 160_Power_4.SchDoc				



Votlage Translators



Voltage Translators



DIRx	Direction
0	A <=> B
1	A ==> B

Title **Aquila Development Board**

Size: Letter

Number: 46926004

Revision: V1.3A

Date: 26.06.2025

Time: 20:45:15

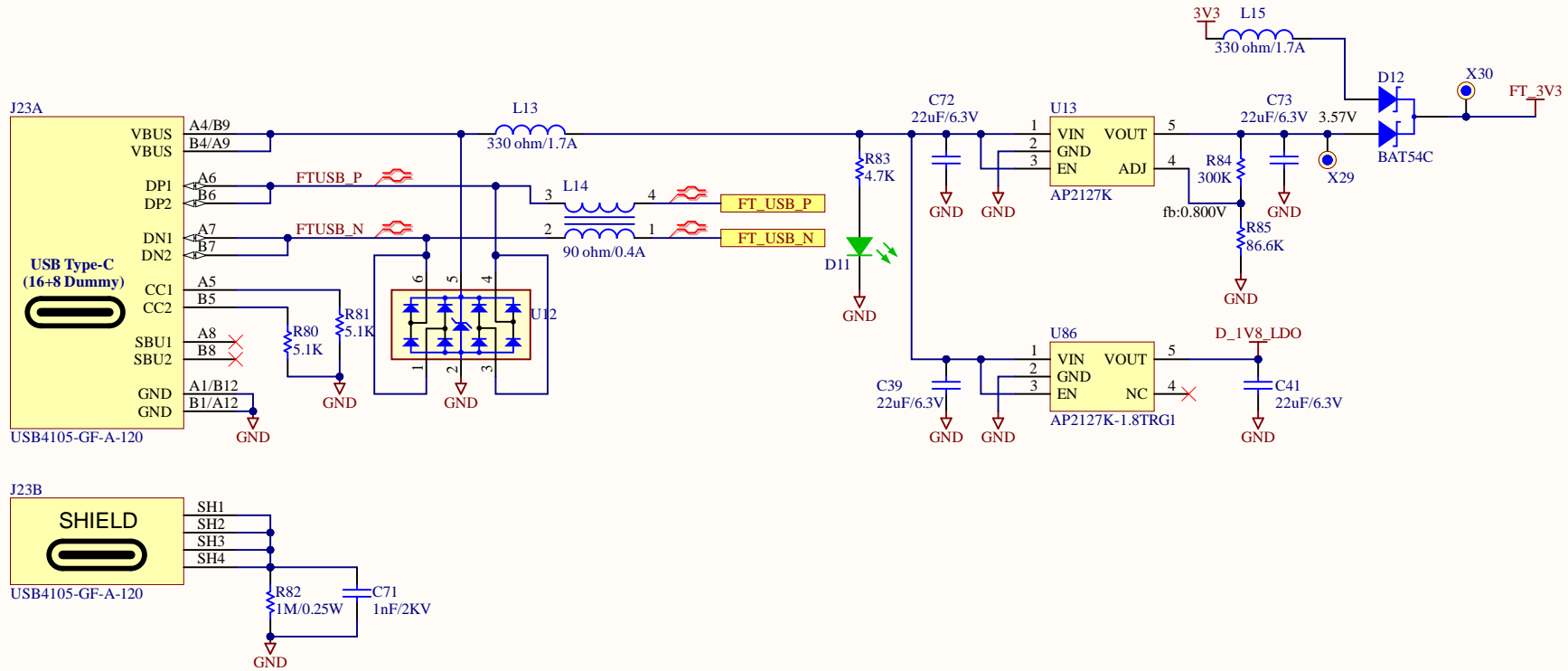
Sheet 9 of 34

File: 215_Translators2.SchDoc

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Mississauga, ON, L4V 1X1
Canada



Debug Connection



Title **Aquila Development Board**

Size: **Letter**

Number: **46926004**

Revision: **V1.3A**

Date: **26.06.2025**

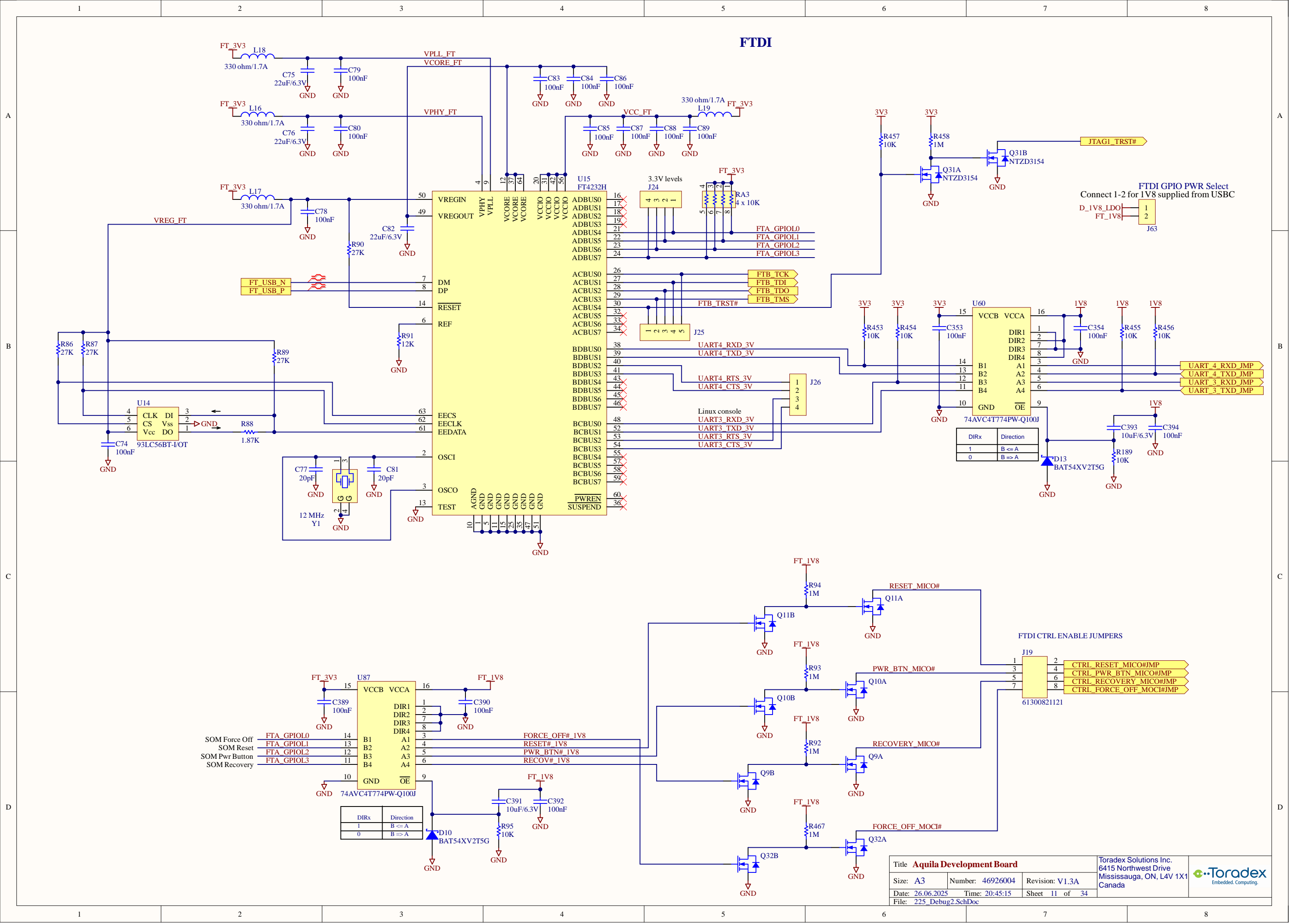
Time: **20:45:15**

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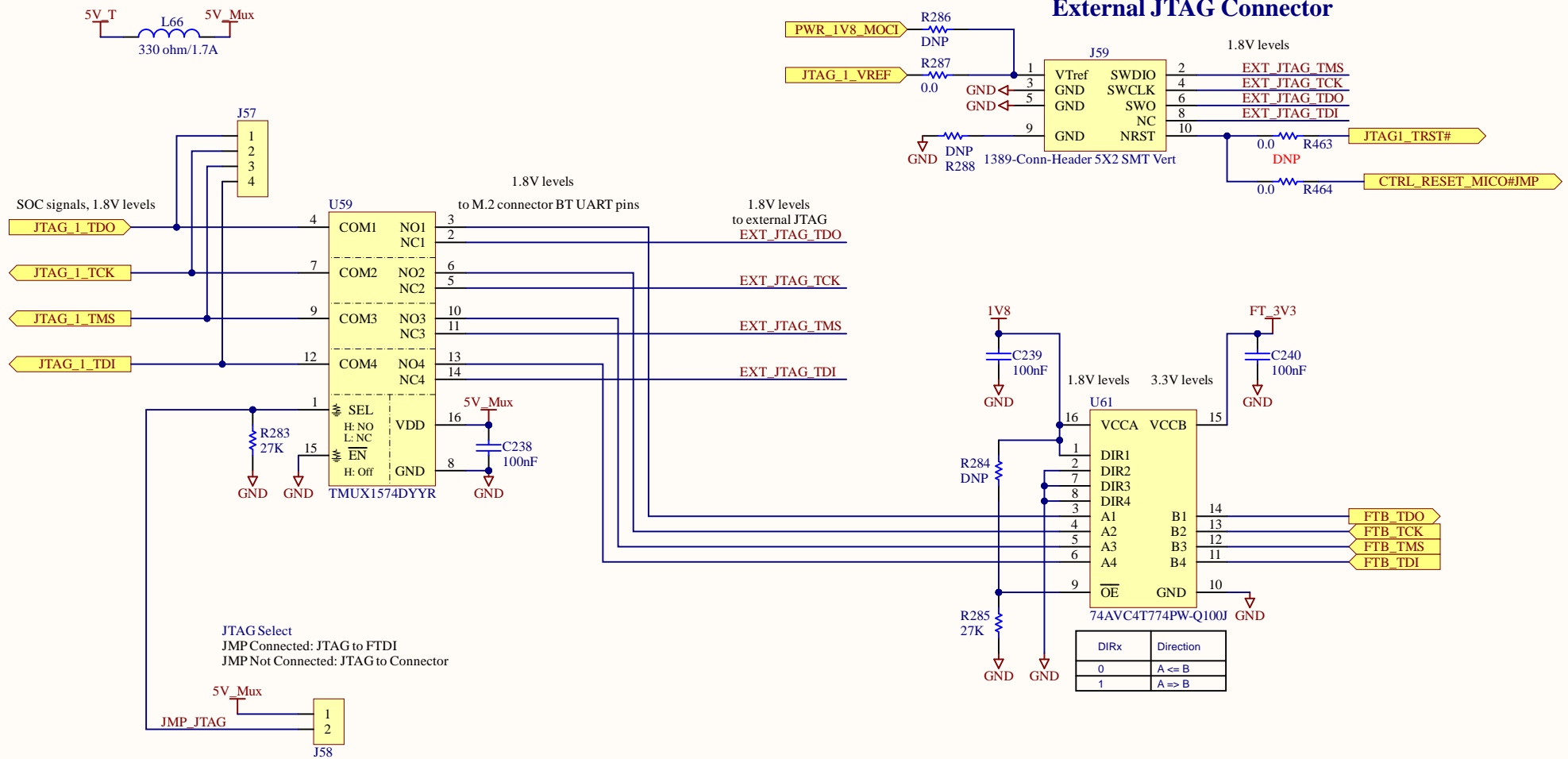
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6415 Northwest Drive
Mississauga, ON, L4V 1X1
Canada





JTAG



Title **Aquila Development Board**

Size: **Letter**

Number: **46926004**

Revision: **V1.3A**

Date: **26.06.2025**

Time: **20:45:16**

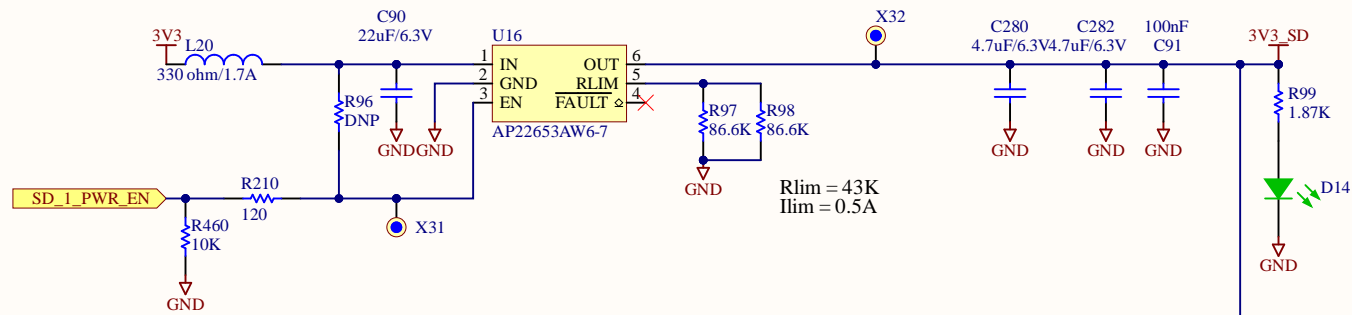
Sheet **12** of **34**

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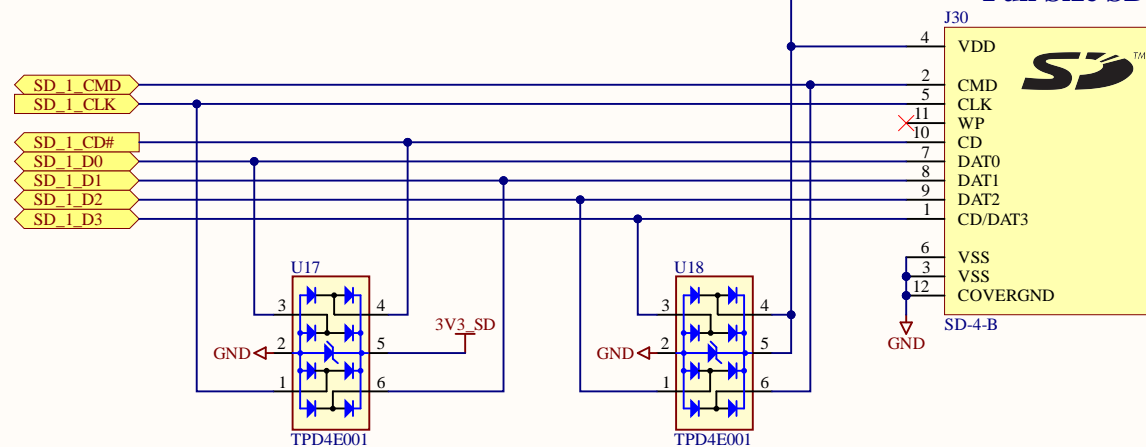
Toradex Solutions Inc.
6415 Northwest Drive
Mississauga, ON, L4V 1X1
Canada




SD Card

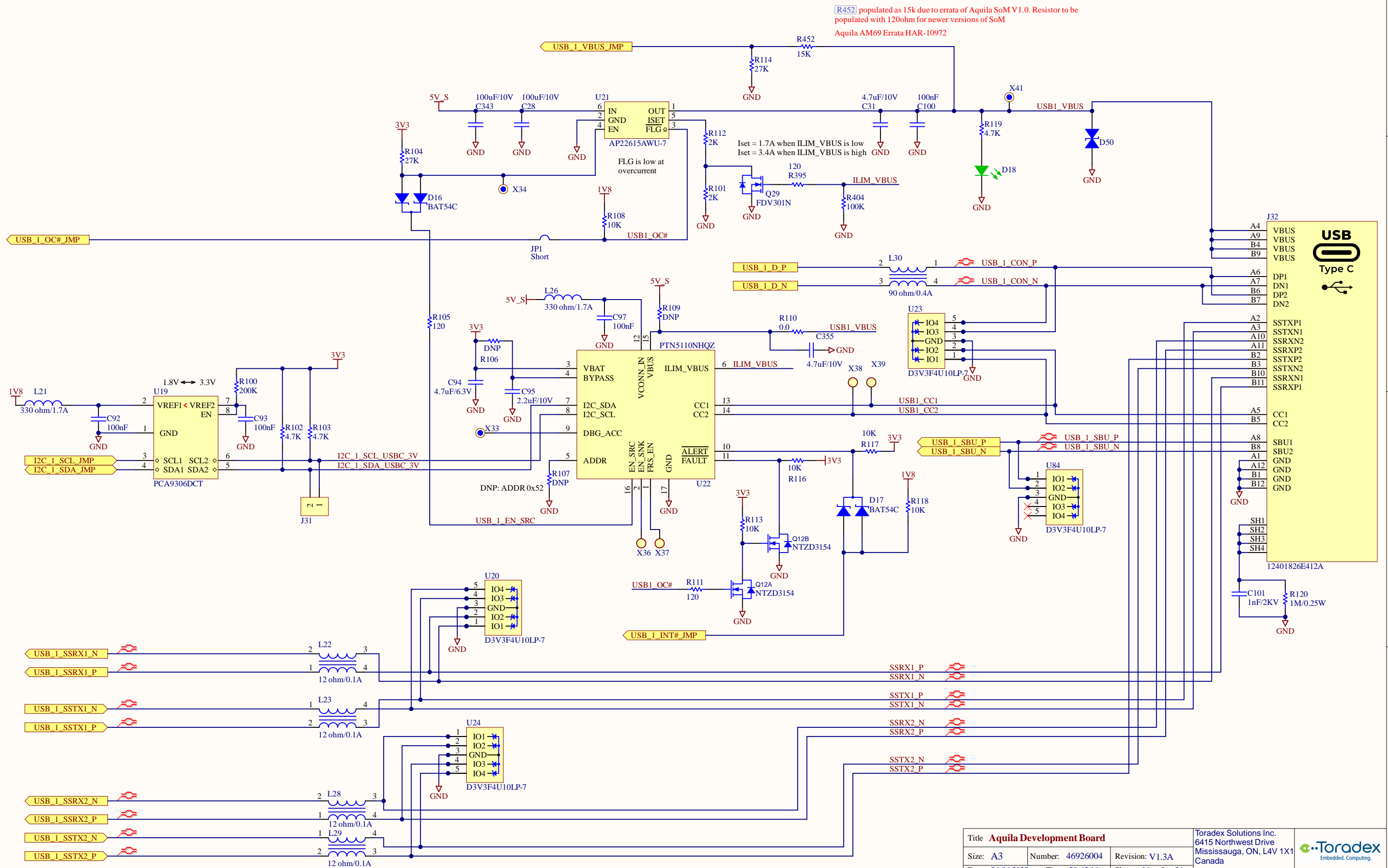



Full Size SD



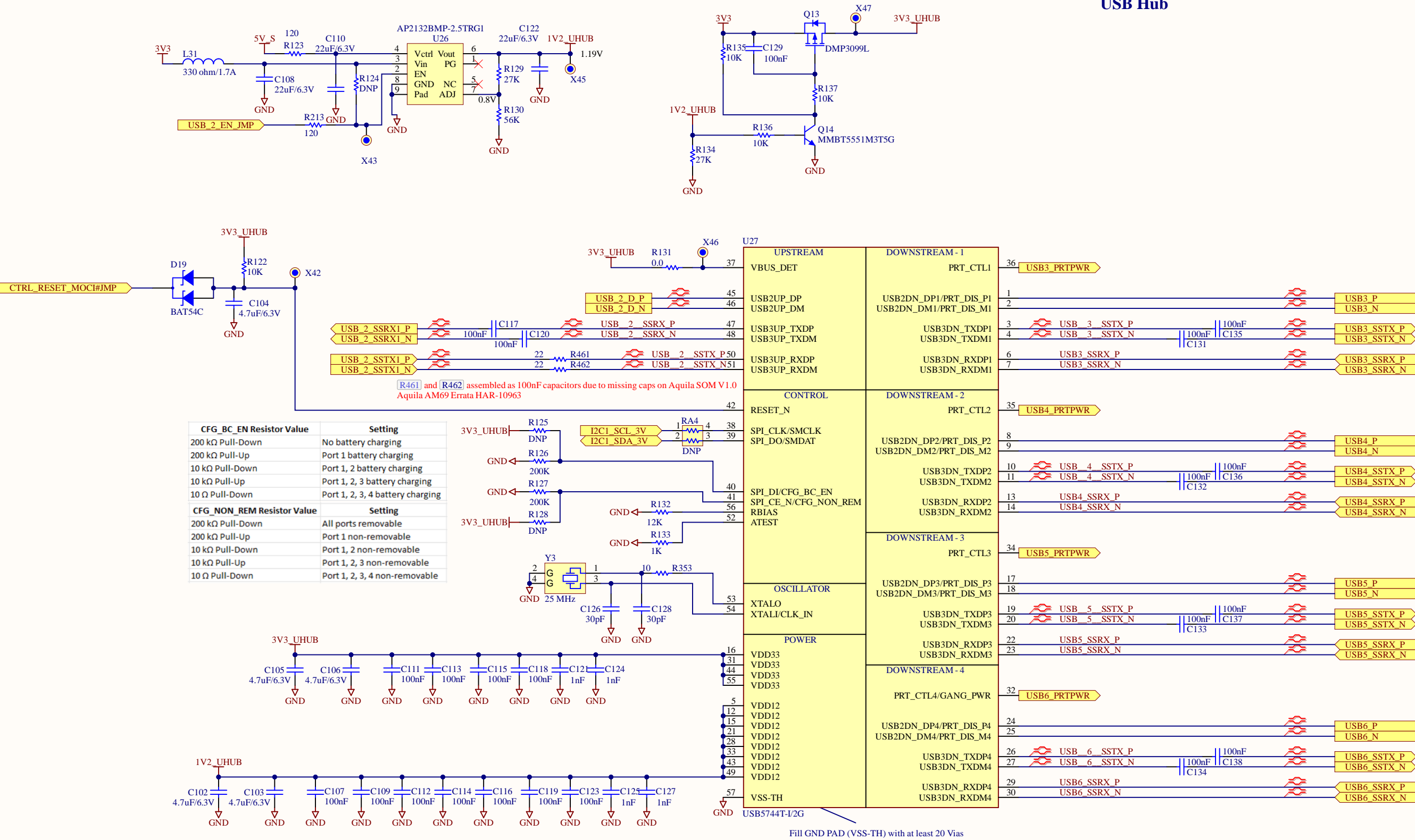
Title Aquila Development Board			Toradex Solutions Inc. 6415 Northwest Drive Mississauga, ON, L4V 1X1 Canada	
Size: Letter	Number: 46926004	Revision: V1.3A		
Date: 26.06.2025	Time: 20:45:16	Sheet 13 of 34		
File: 230_SD_Card.SchDoc				

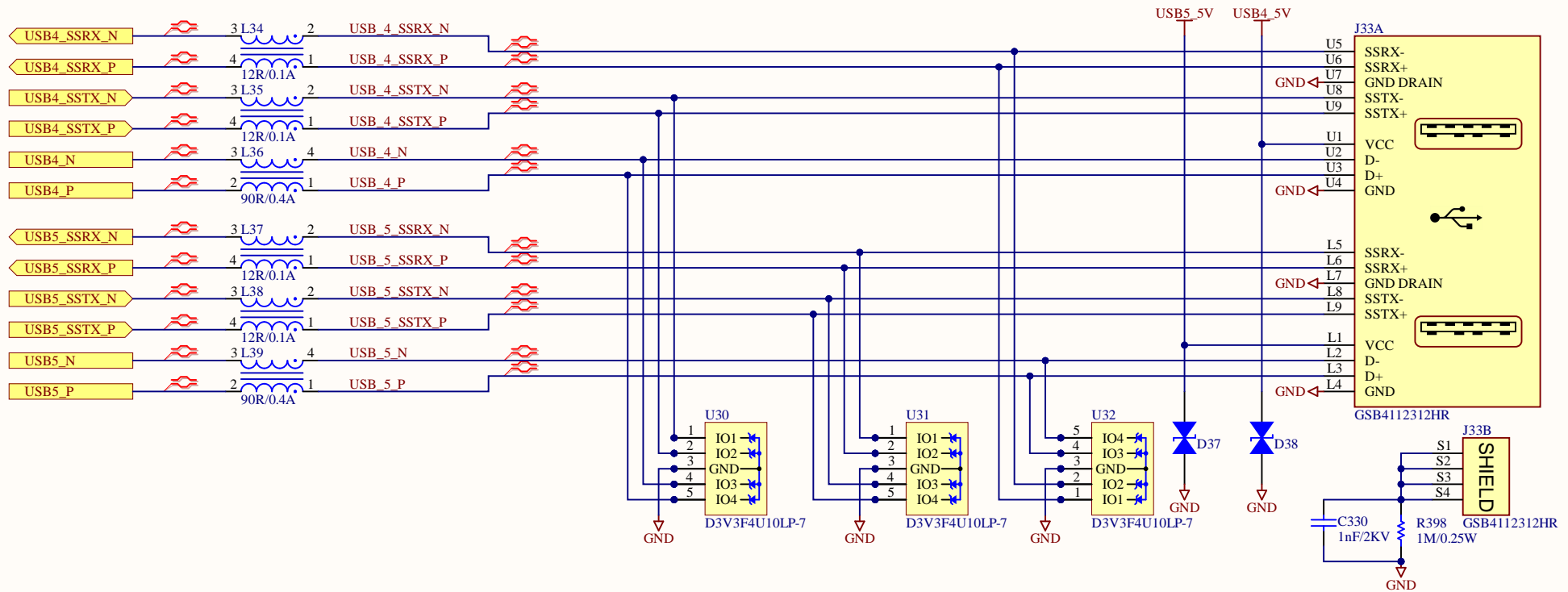
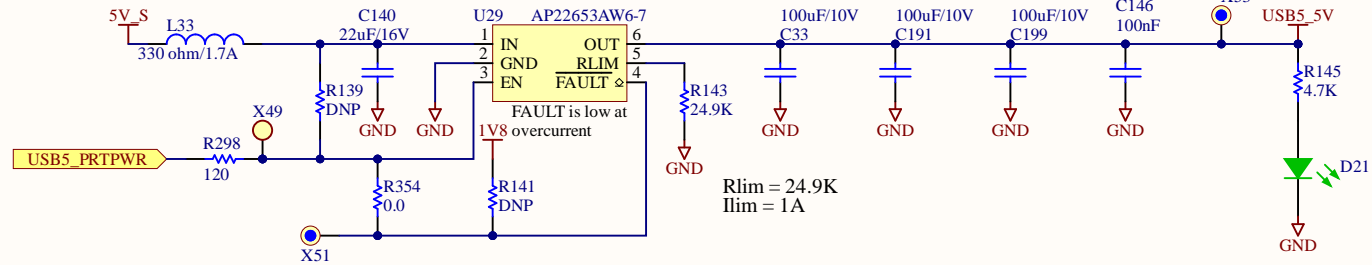
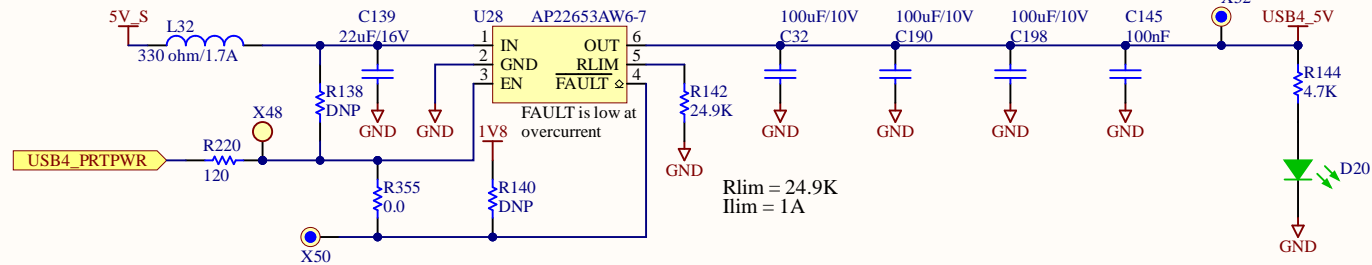
USB OTG



Title Aquila Development Board			Toradex Solutions Inc. 6415 Northwest Drive Mississauga, ON, L4V 1X1 Canada	 Embedded. Computing.
Size: A3	Number: 46926004	Revision: V1.3A		
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File: 300_USB1_OTG.SchDoc				

USB Hub





Title **Aquila Development Board**

Size: Letter

Number: 46926004

Revision: V1.3A

Date: 26.06.2025

Time: 20:45:16

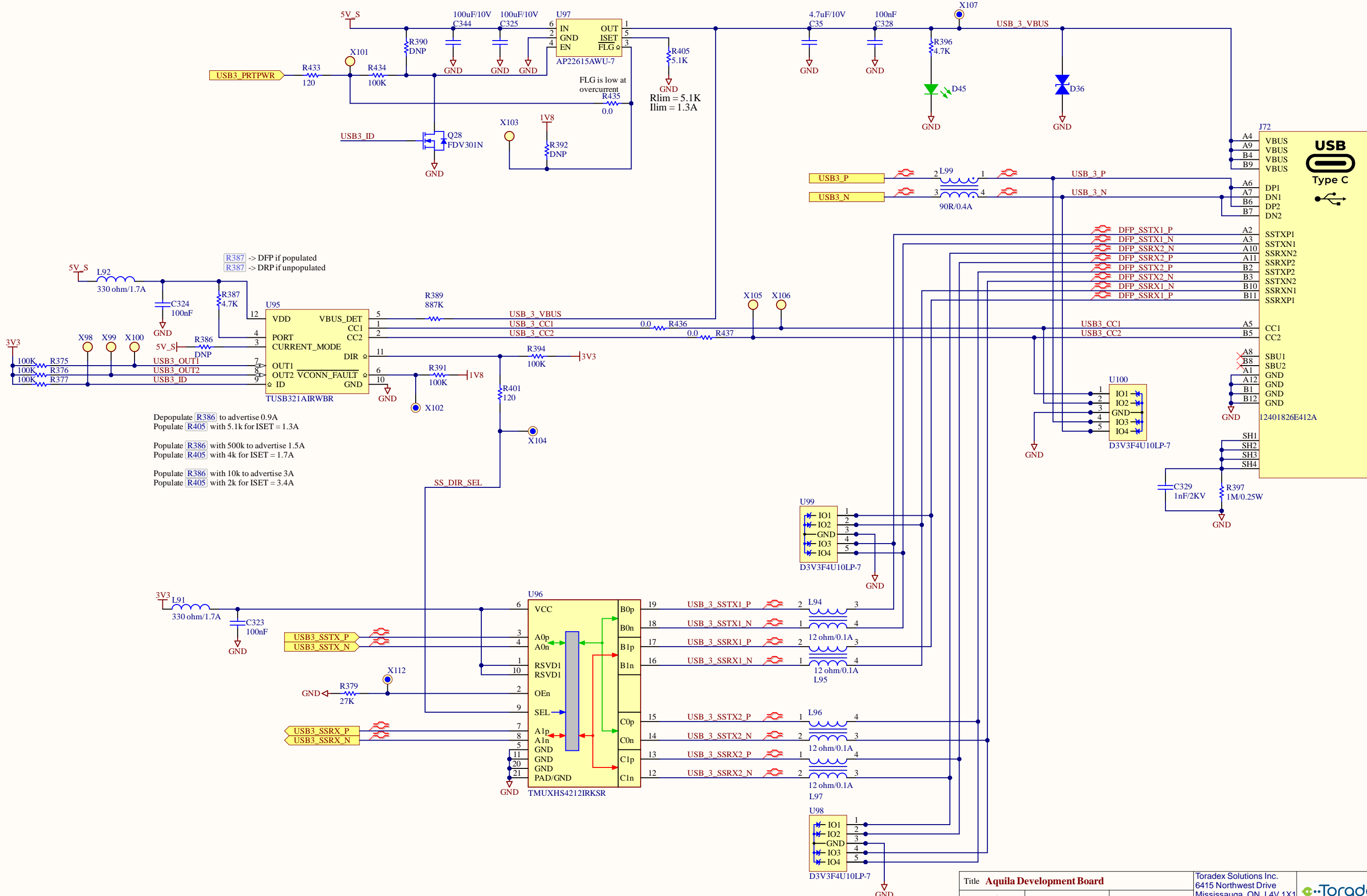
Sheet 16 of 34


File: 310_USB3.SchDoc

Toradex Solutions Inc.
6415 Northwest Drive
Mississauga, ON, L4V 1X1
Canada

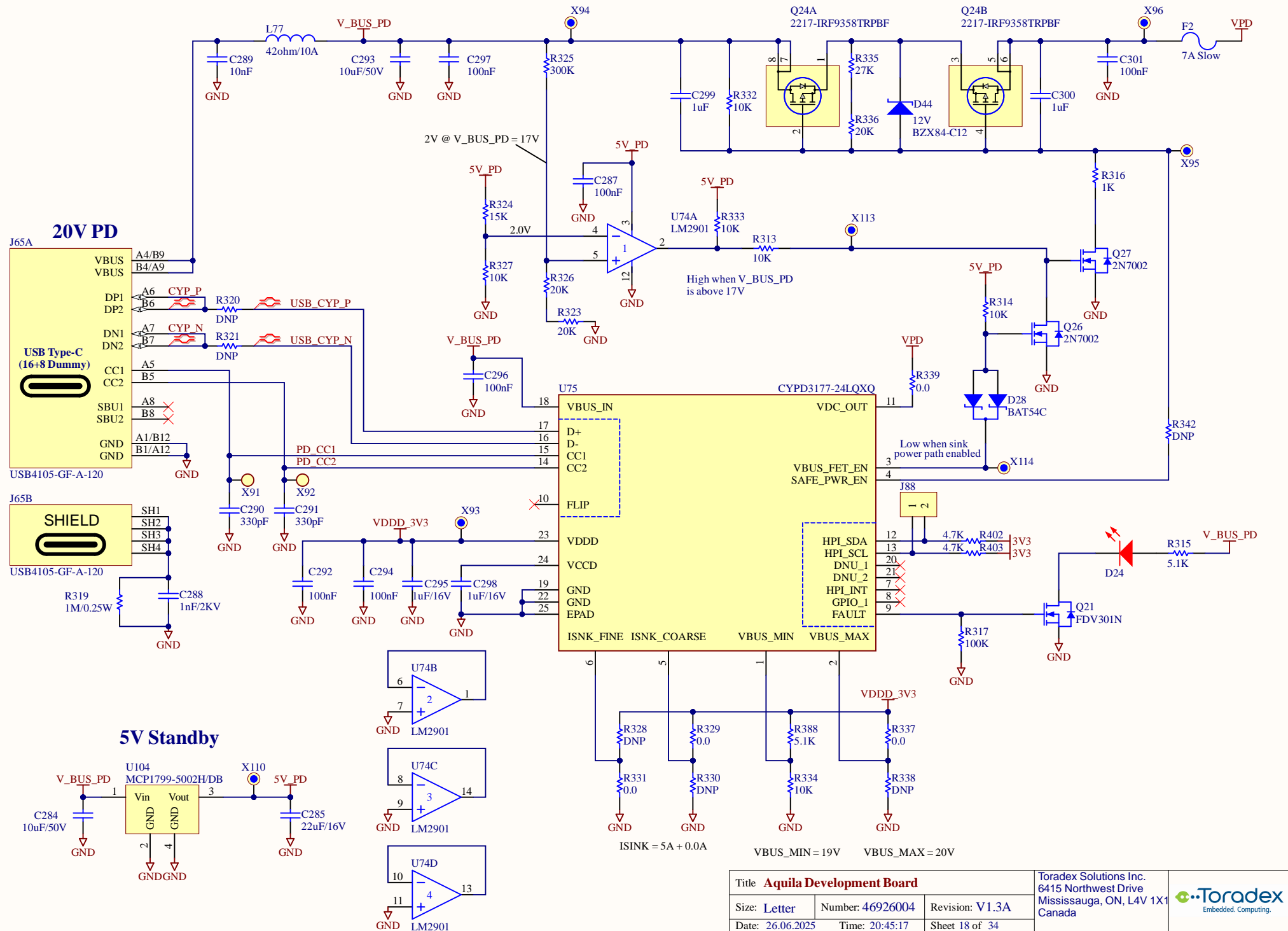


USB-C DFP



Title Aquila Development Board			Toradex Solutions Inc. 6415 Northwest Drive Mississauga, ON, L4V 1X1 Canada	 Embedded. Computing.
Size: A3	Number: 46926004	Revision: V1.3A		
Date: 26.06.2025	Time: 20:45:17	Sheet 17 of 34		
File: 315_USBC_DFP.SchDoc				

USB-C Power Delivery



Title **Aquila Development Board**

Size: Letter

Number: 46926004

Revision: V1.3A

Date: 26.06.2025

Time: 20:45:17

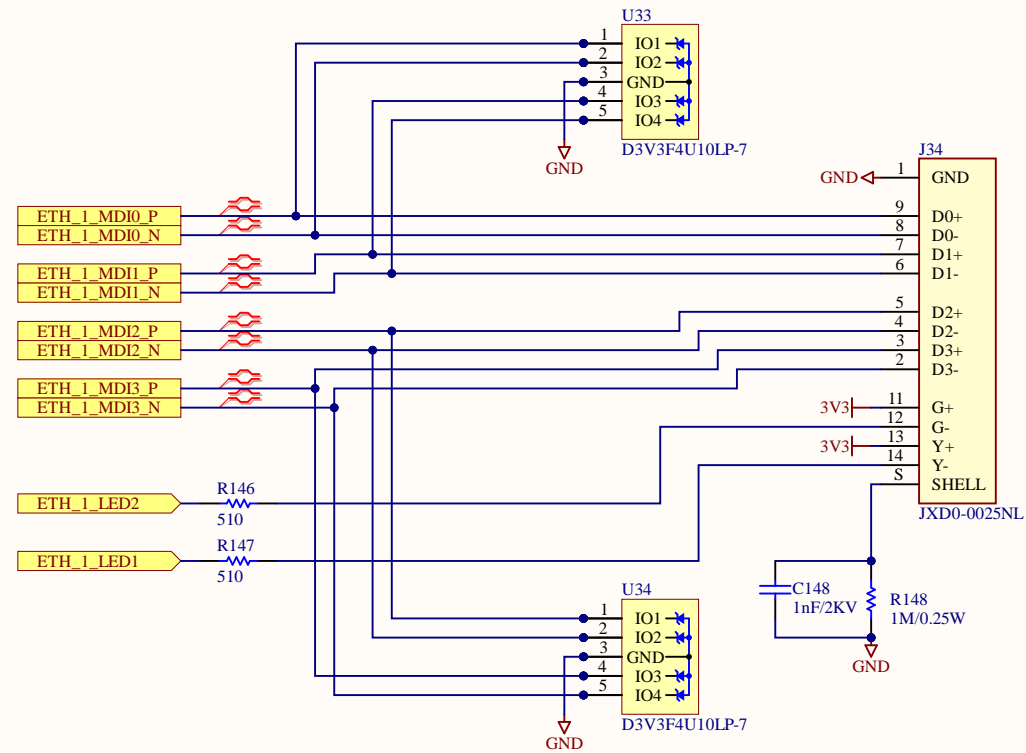
Sheet 18 of 34

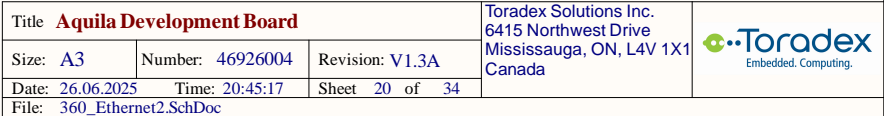
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Canada



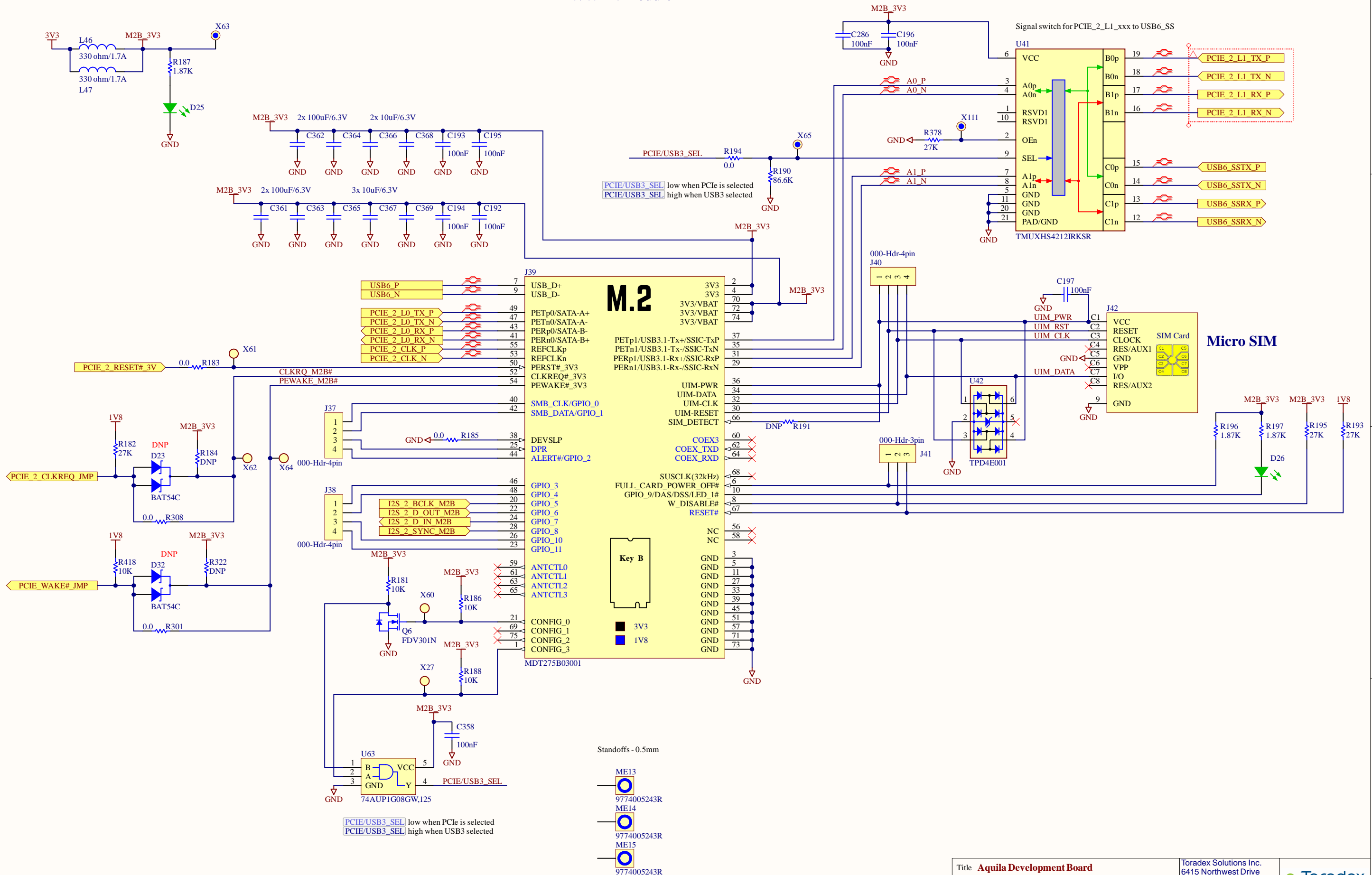
GBit Ethernet 1






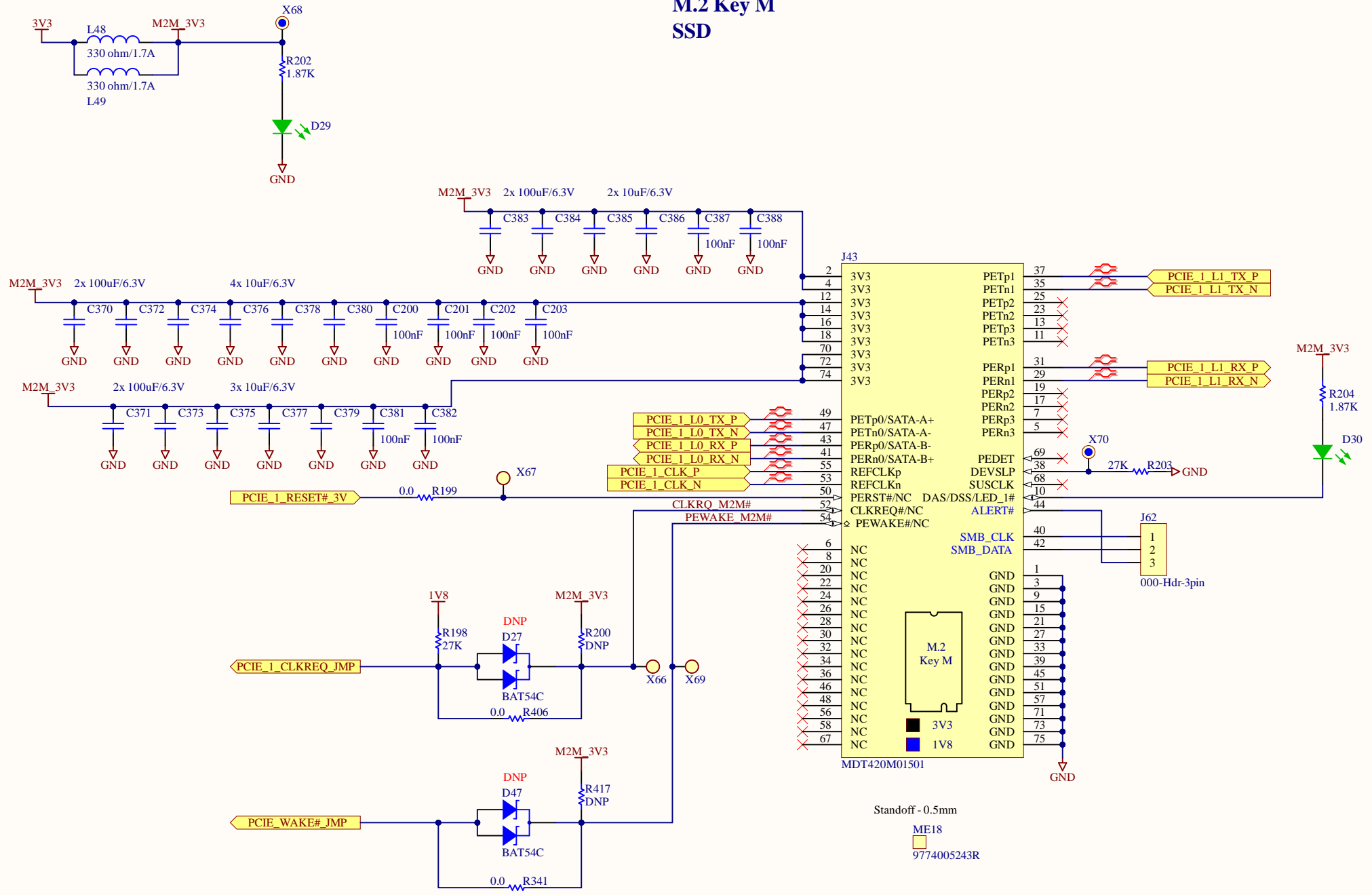
M.2 Key B

WWAN Module



Title Aquila Development Board			Toradex Solutions Inc. 6415 Northwest Drive Mississauga, ON, L4V 1X1 Canada	 Embedded. Computing.
Size: A3	Number: 46926004	Revision: V1.3A		
Date: 26.06.2025	Time: 20:45:17	Sheet 21 of 34		
File: 400_M2_KeyB.SchDoc				

M.2 Key M SSD



Title **Aquila Development Board**

Size: **Letter**

Number: **46926004**

Revision: **V1.3A**

Date: **26.06.2025**

Time: **20:45:18**

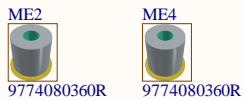
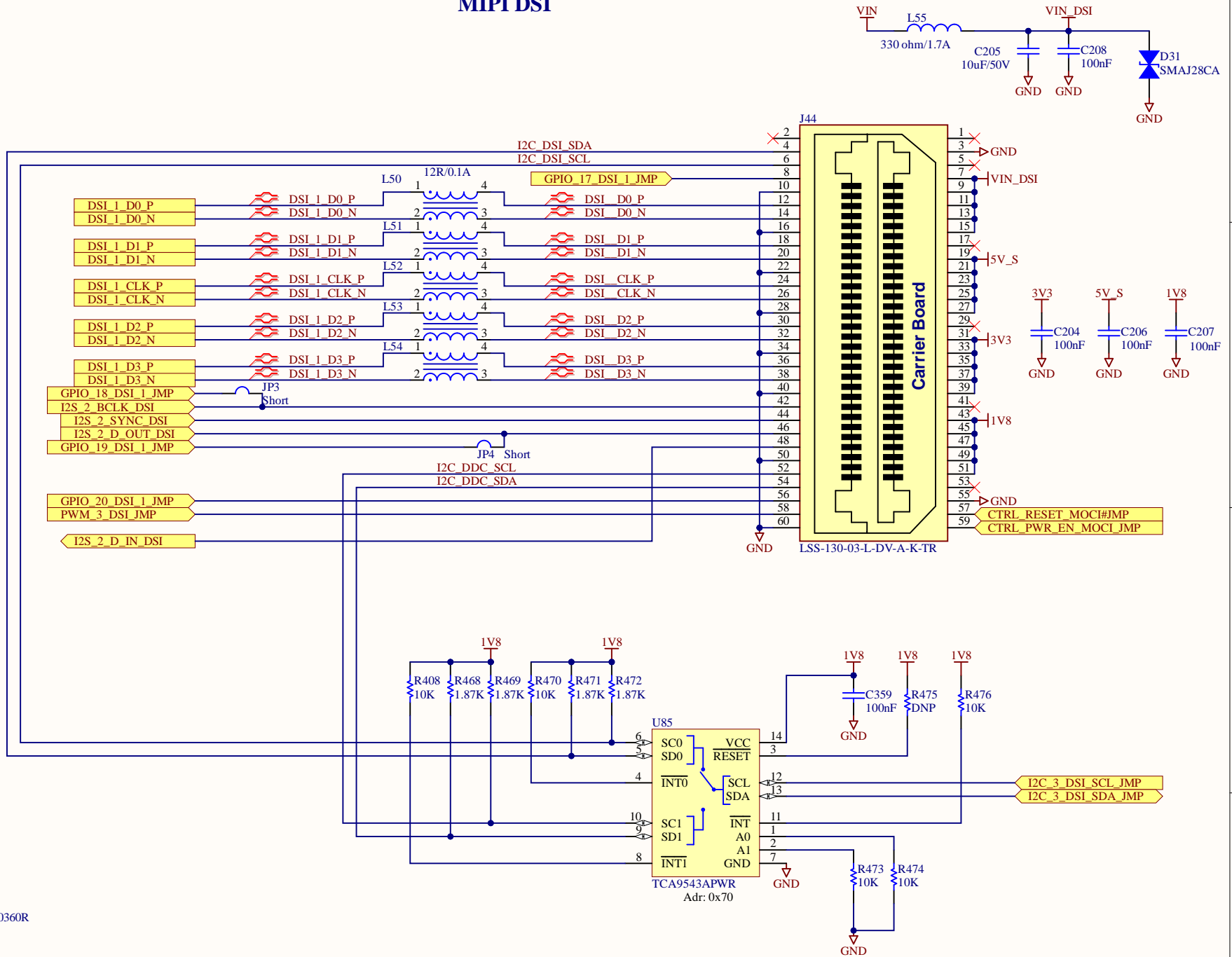
Sheet **22** of **34**

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MIPI DSI



Title **Aquila Development Board**

Size: **Letter**

Number: **46926004**

Revision: **V1.3A**

Date: **26.06.2025**

Time: **20:45:18**

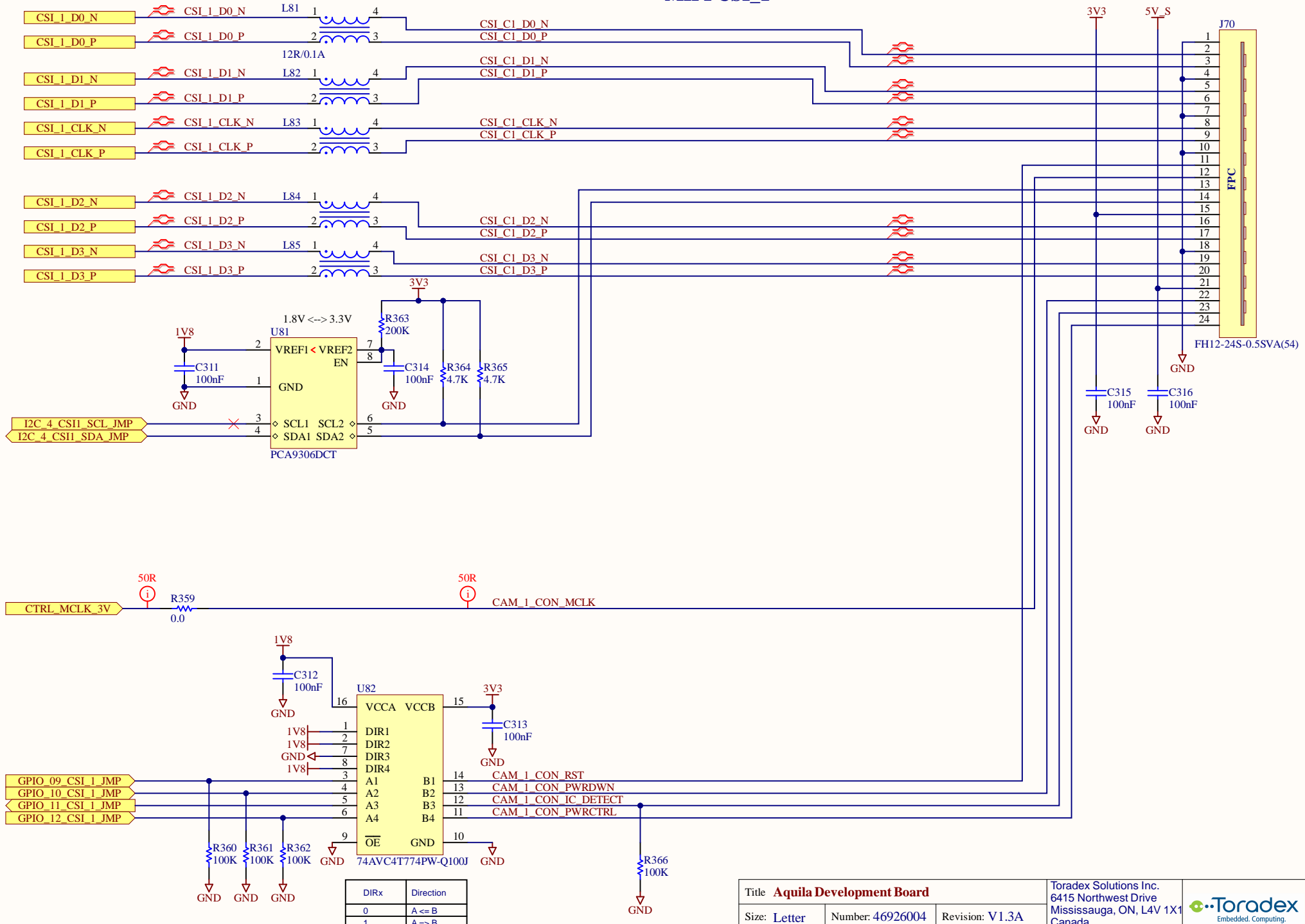
Sheet **23** of **34**

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Canada



MIPI CSI_1



Title **Aquila Development Board**

Size: Letter

Number: 46926004

Revision: V1.3A

Date: 26.06.2025

Time: 20:45:18

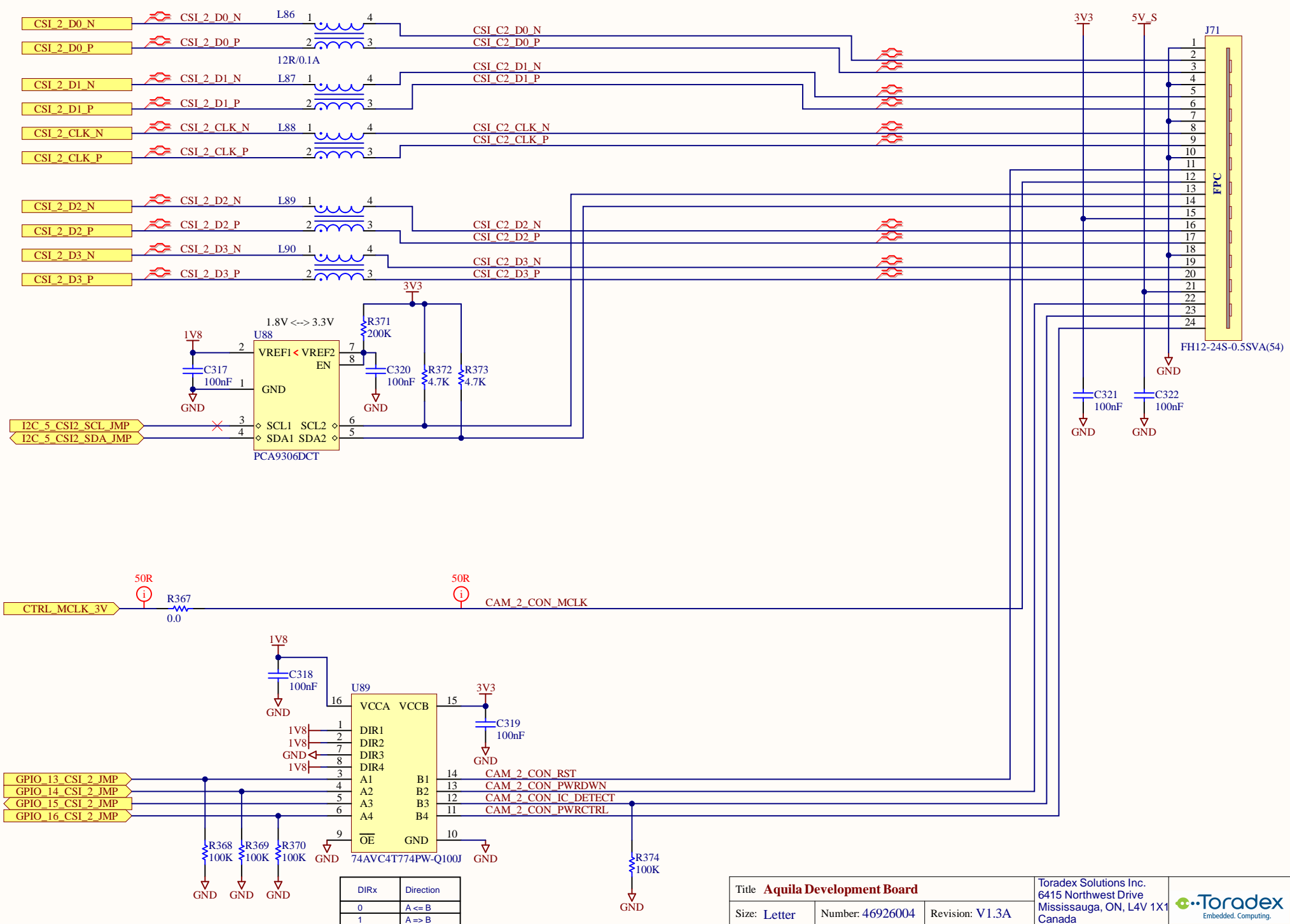
Sheet 24 of 34

File: 445_CSI_1.SchDoc

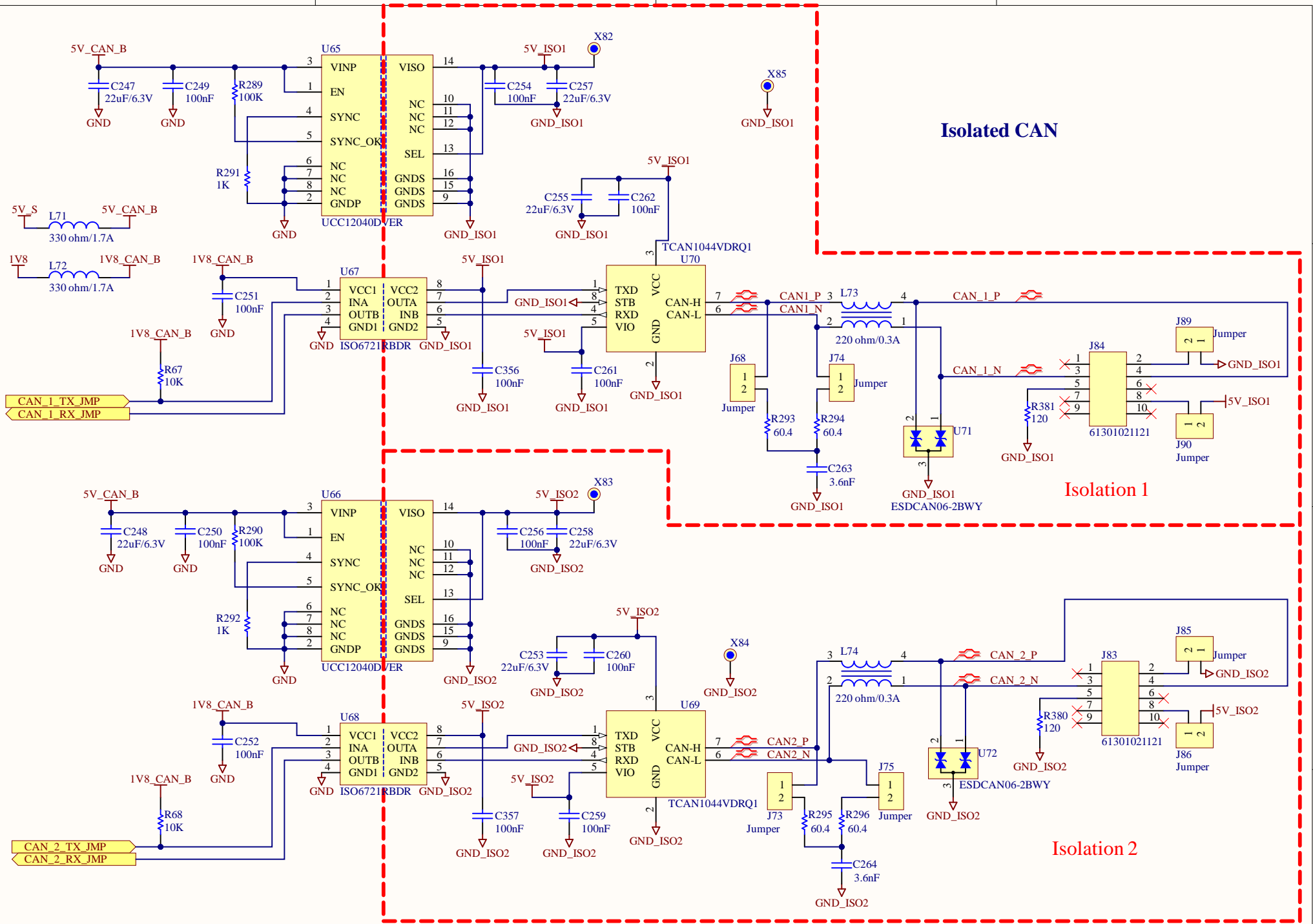
Toradex Solutions Inc.
6415 Northwest Drive
Mississauga, ON, L4V 1X1
Canada



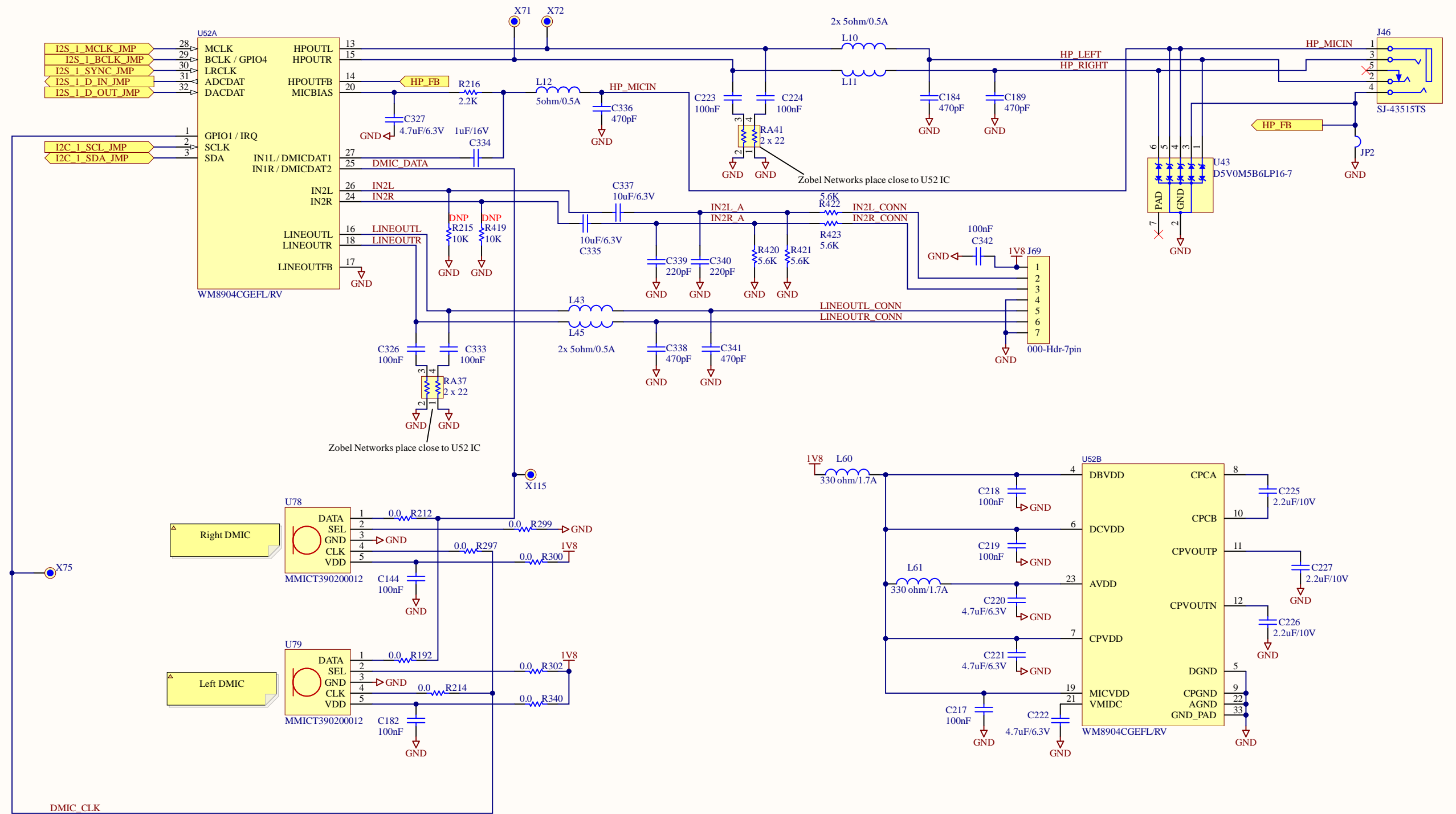
MIPI CSI_2

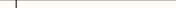


DIRx	Direction
0	A <= B
1	A >= B

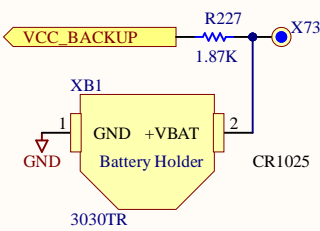


Audio Codec

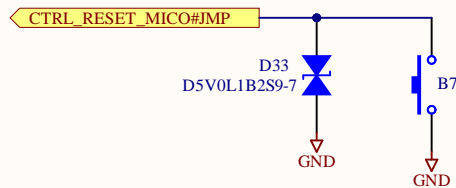


Title Aquila Development Board				Toradex Solutions Inc. 6415 Northwest Drive Mississauga, ON, L4V 1X1 Canada	 Embedded. Computing.
Size: A3	Number: 46926004	Revision: V1.3A			
Date: 26.06.2025	Time: 20:45:18	Sheet 28 of 34			
File: 540_Audio.SchDoc					

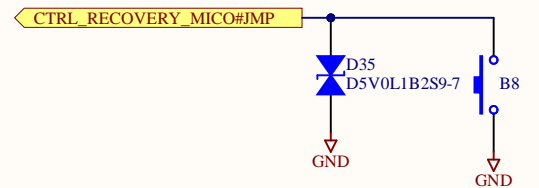
Peripherals



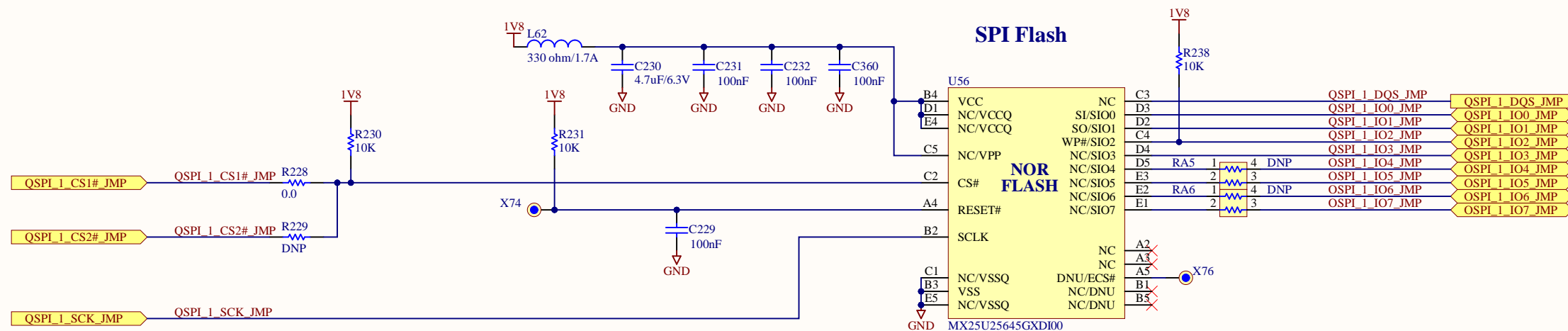
Reset Button



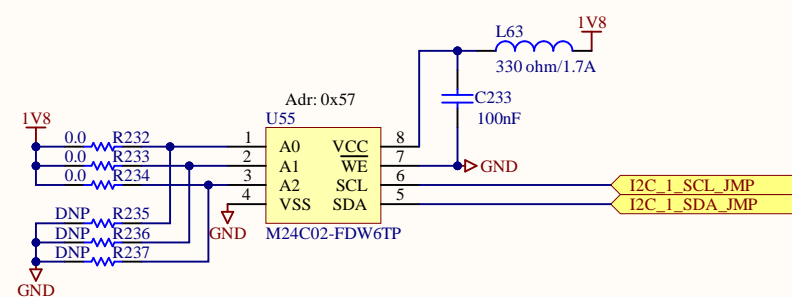
Recovery Button



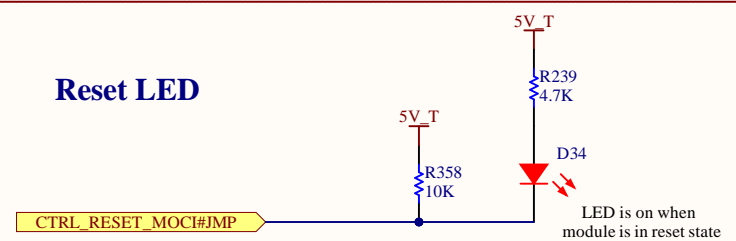
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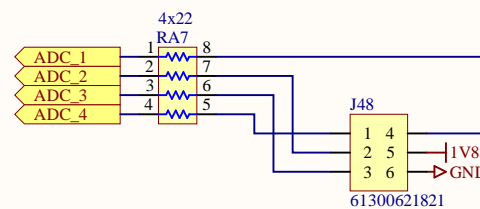
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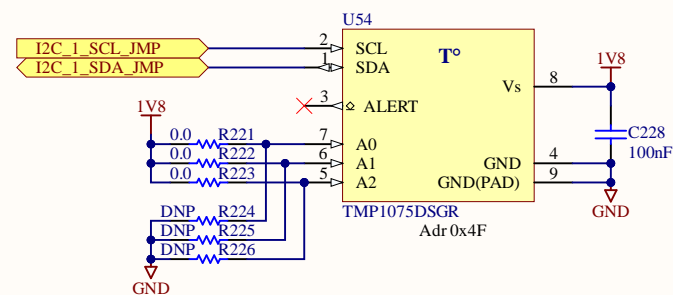
Reset LED

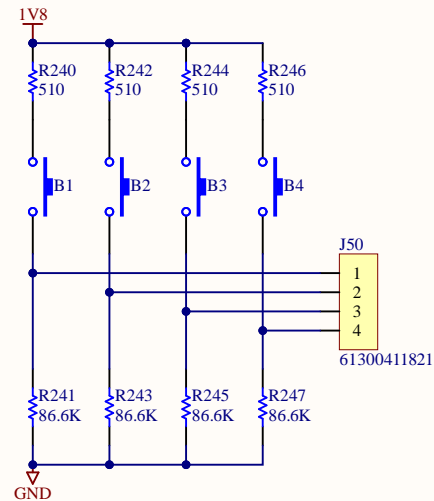


ADC

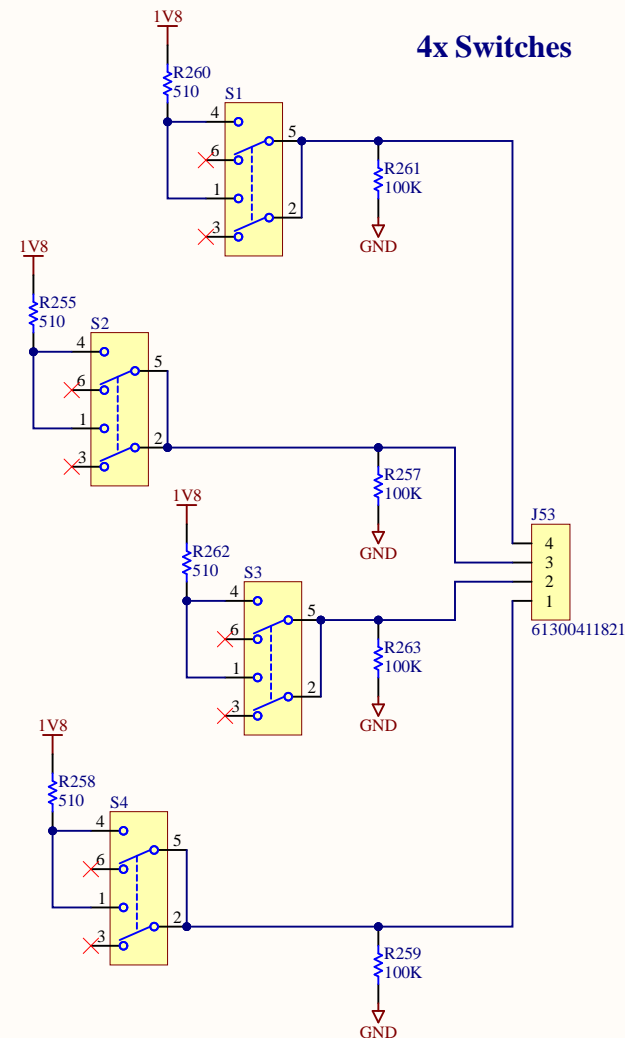


Temp Sensor

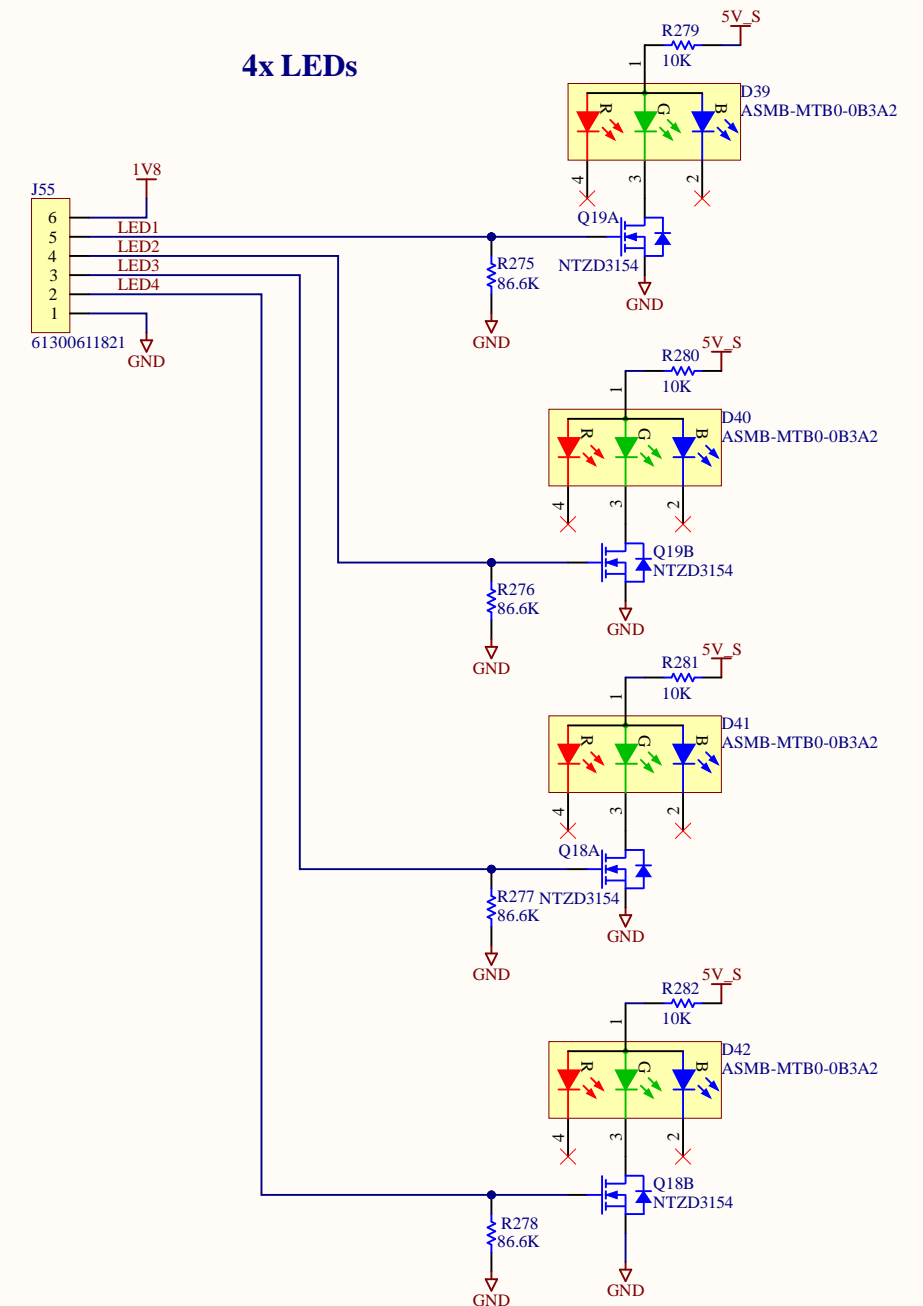




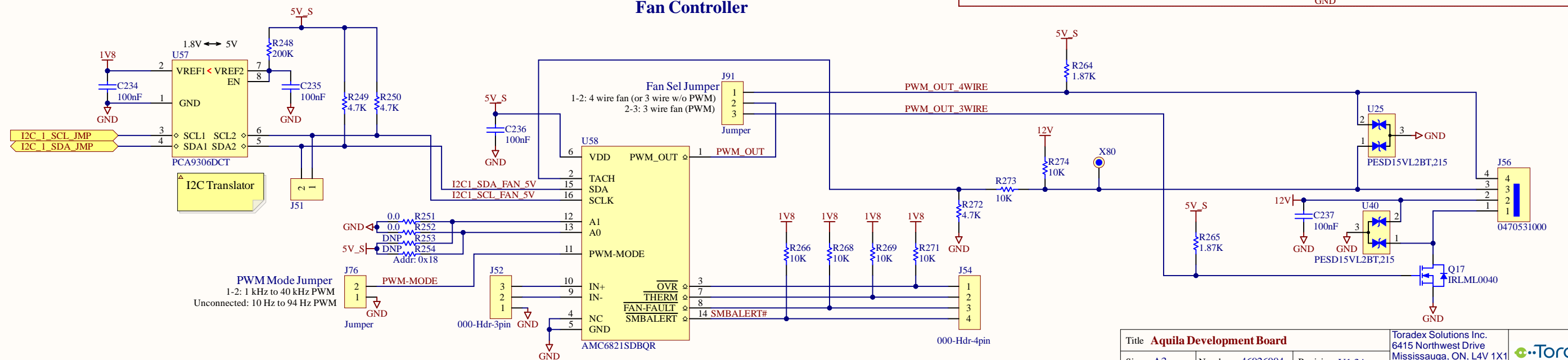
4x Switches




4x LEDs

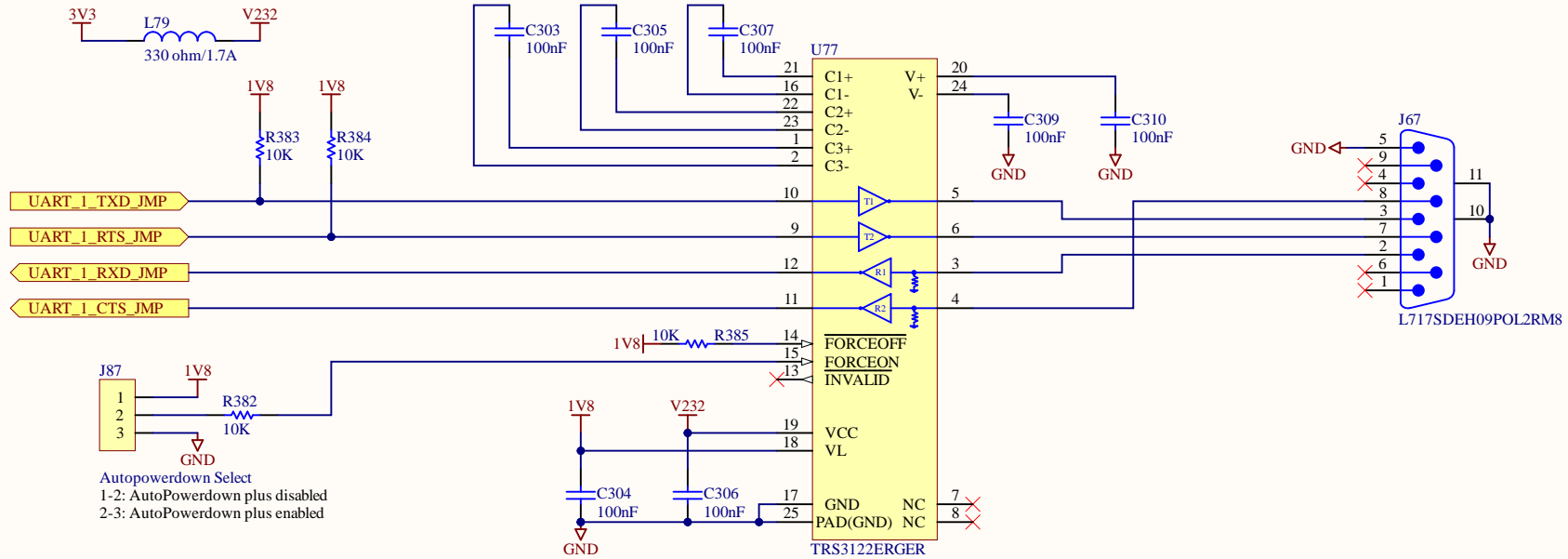


Fan Controller

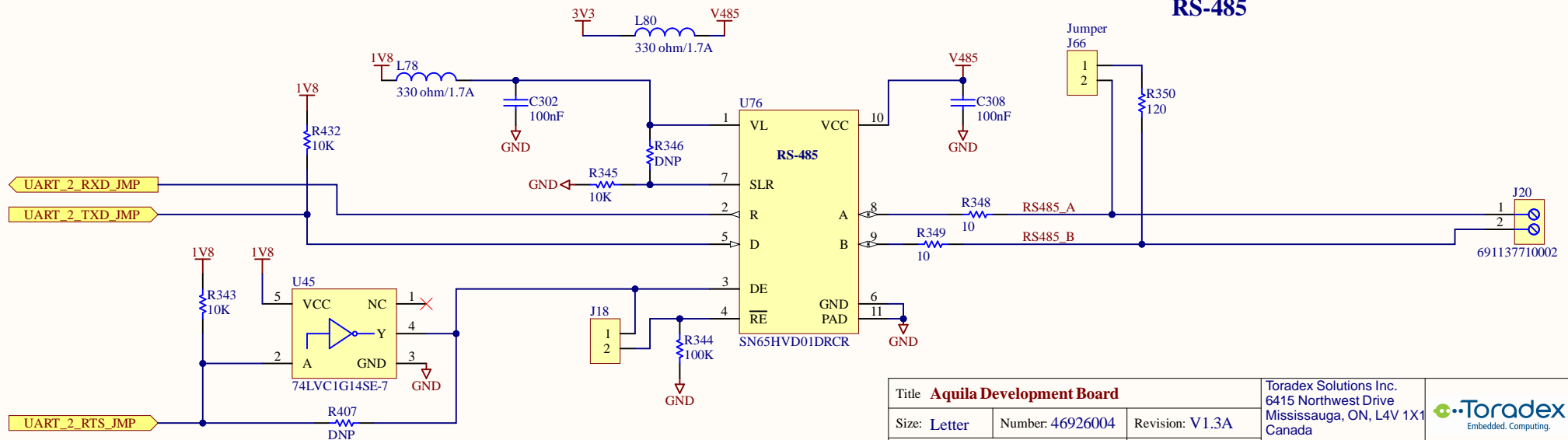


Title Aquila Development Board			Toradex Solutions Inc. 6415 Northwest Drive Mississauga, ON, L4V 1X1 Canada	 Embedded. Computing.
Size: A3	Number: 46926004	Revision: V1.3A		
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File: 620_Peripherals2.SchDoc				

RS-232



RS-485



Title **Aquila Development Board**

Size: Letter

Number: 46926004

Revision: V1.3A

Date: 26.06.2025

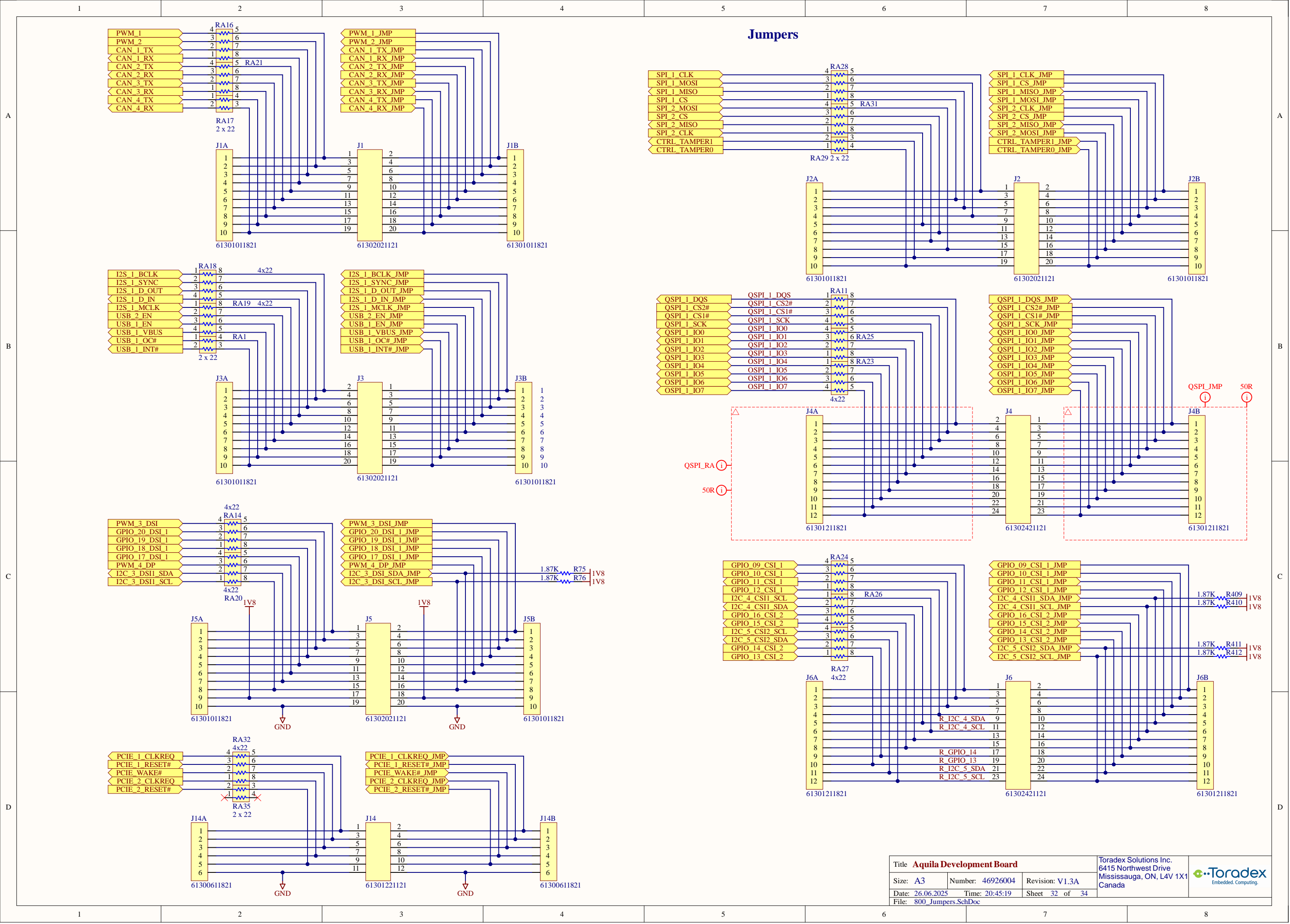
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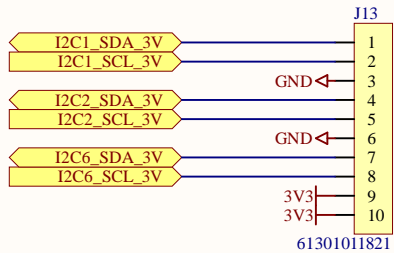
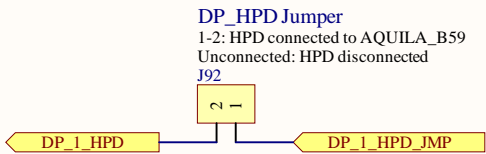
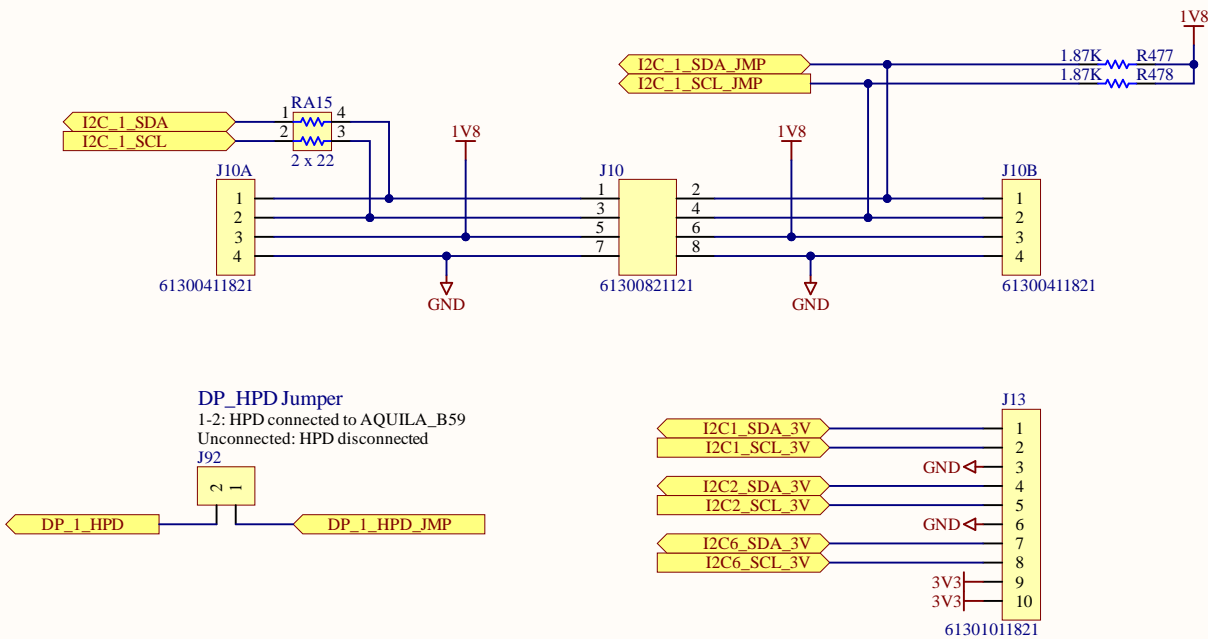
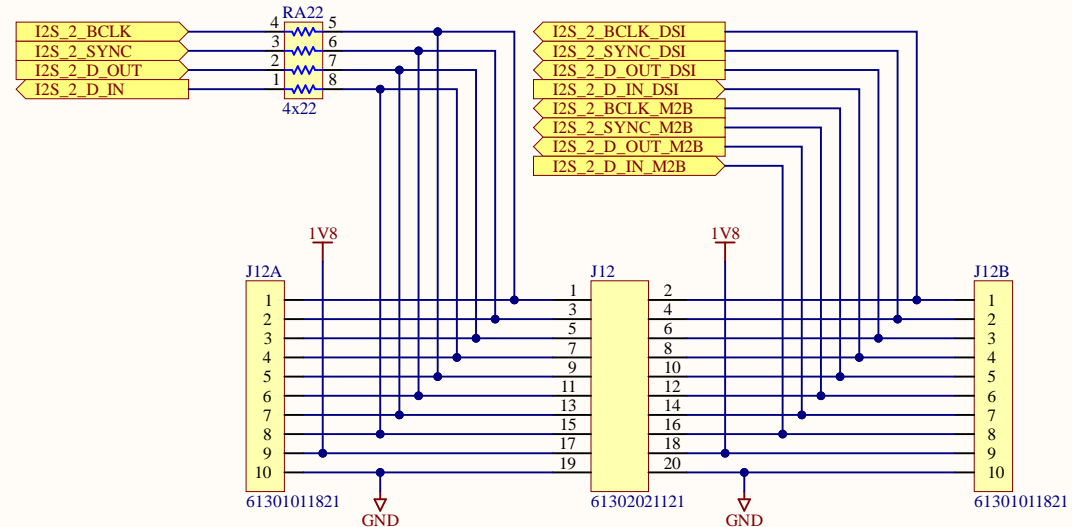
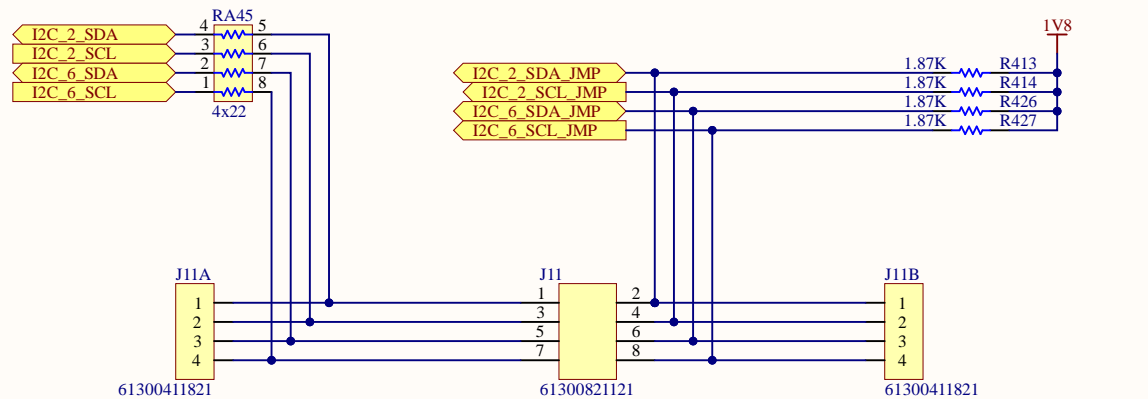
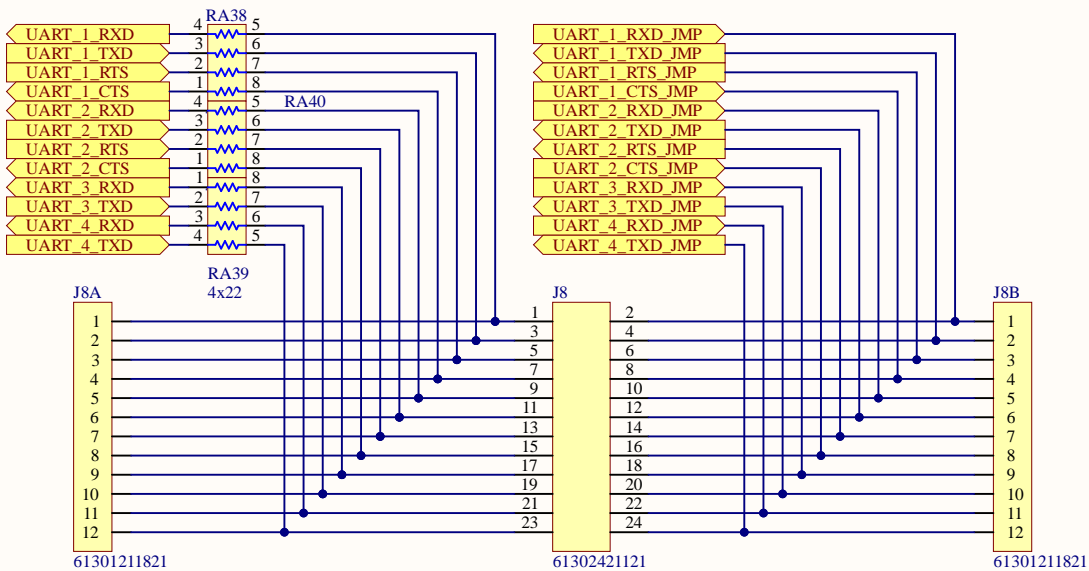
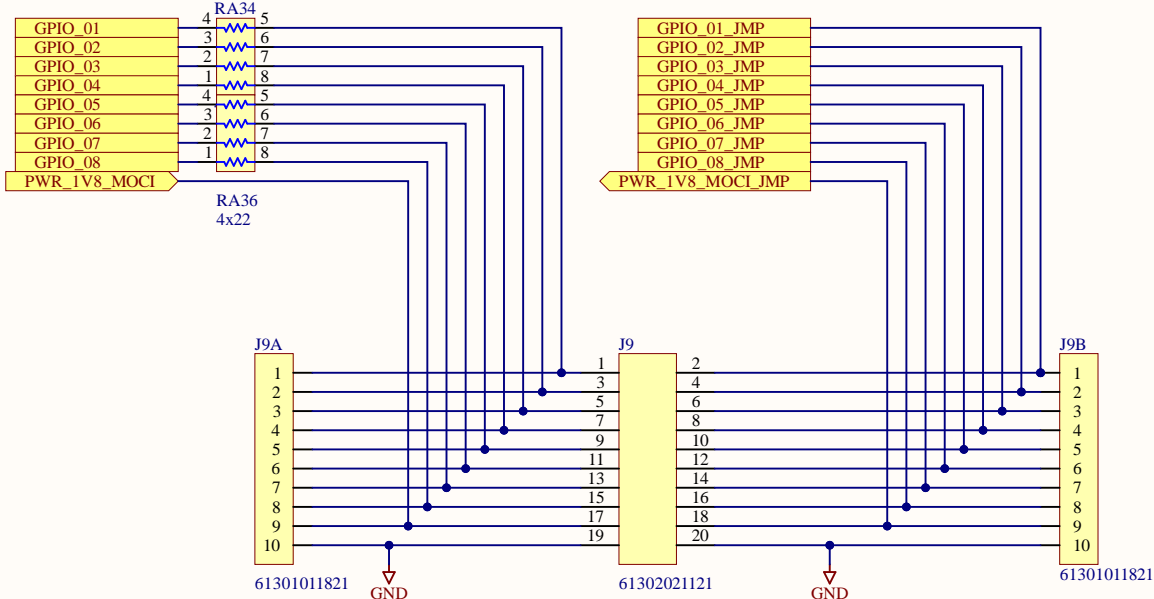
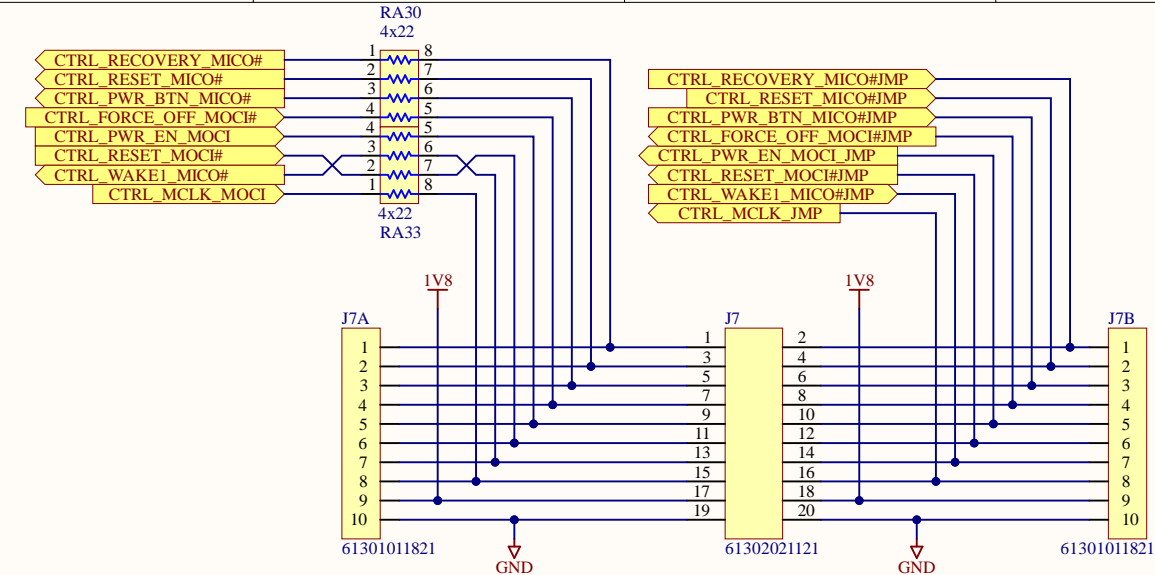
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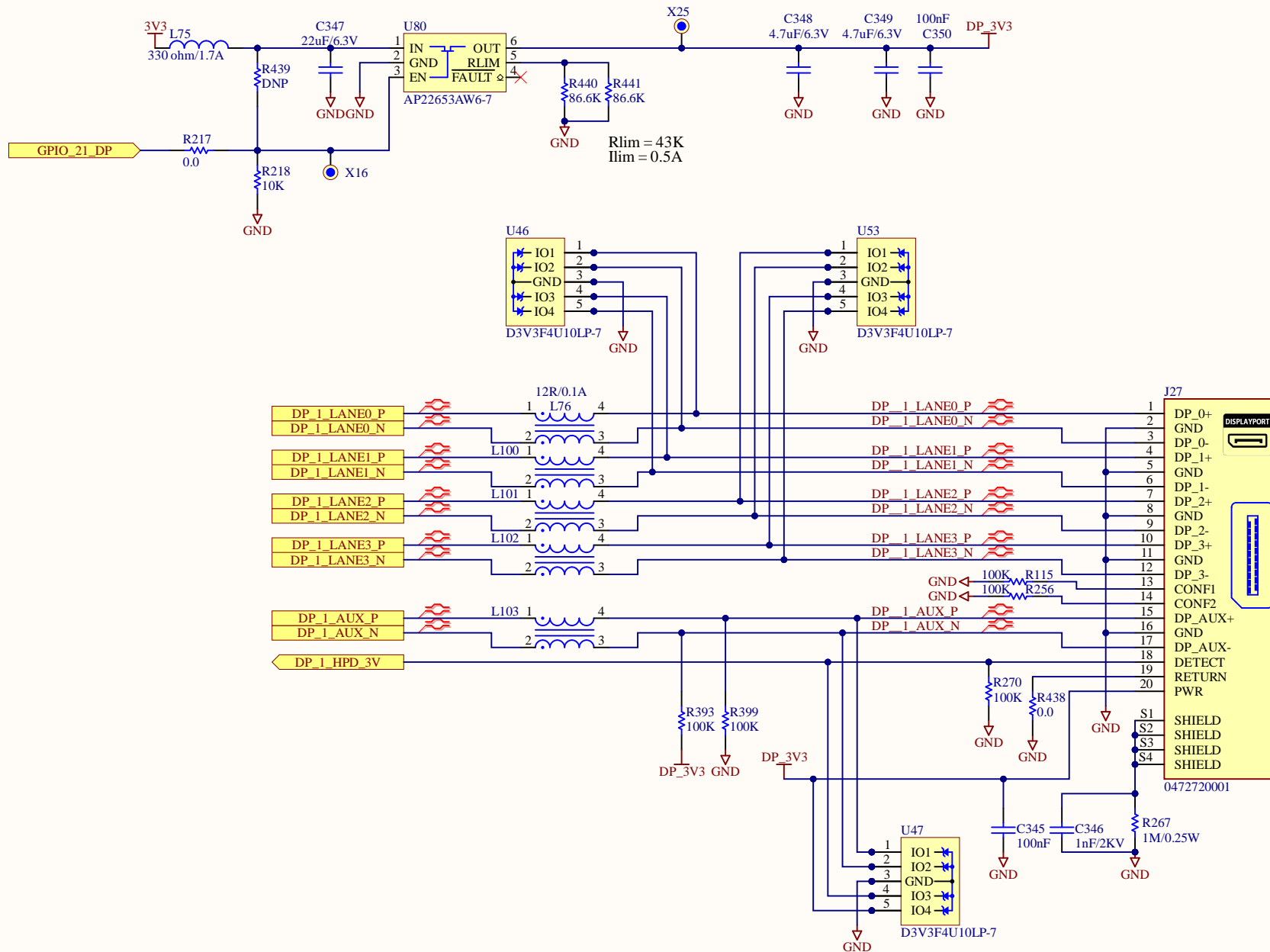





Jumpers



Display Port



Title Aquila Development Board			Toradex Solutions Inc. 6415 Northwest Drive Mississauga, ON, L4V 1X1 Canada	 Toradex Embedded. Computing.
Size: Letter	Number: 46926004	Revision: V1.3A		
Date: 26.06.2025	Time: 20:45:20	Sheet 34 of 34		
File: 900_Display_Port.SchDoc				