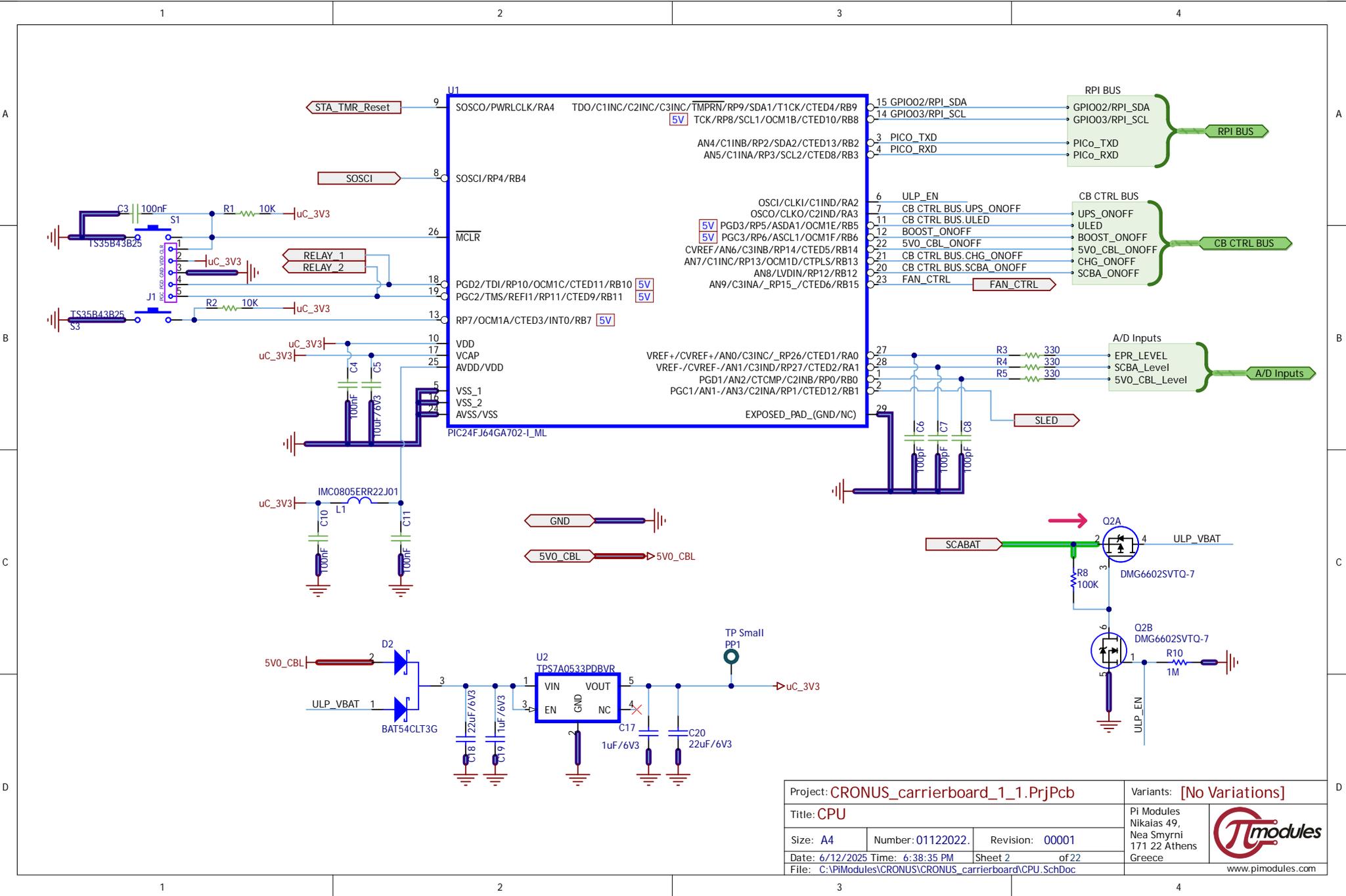
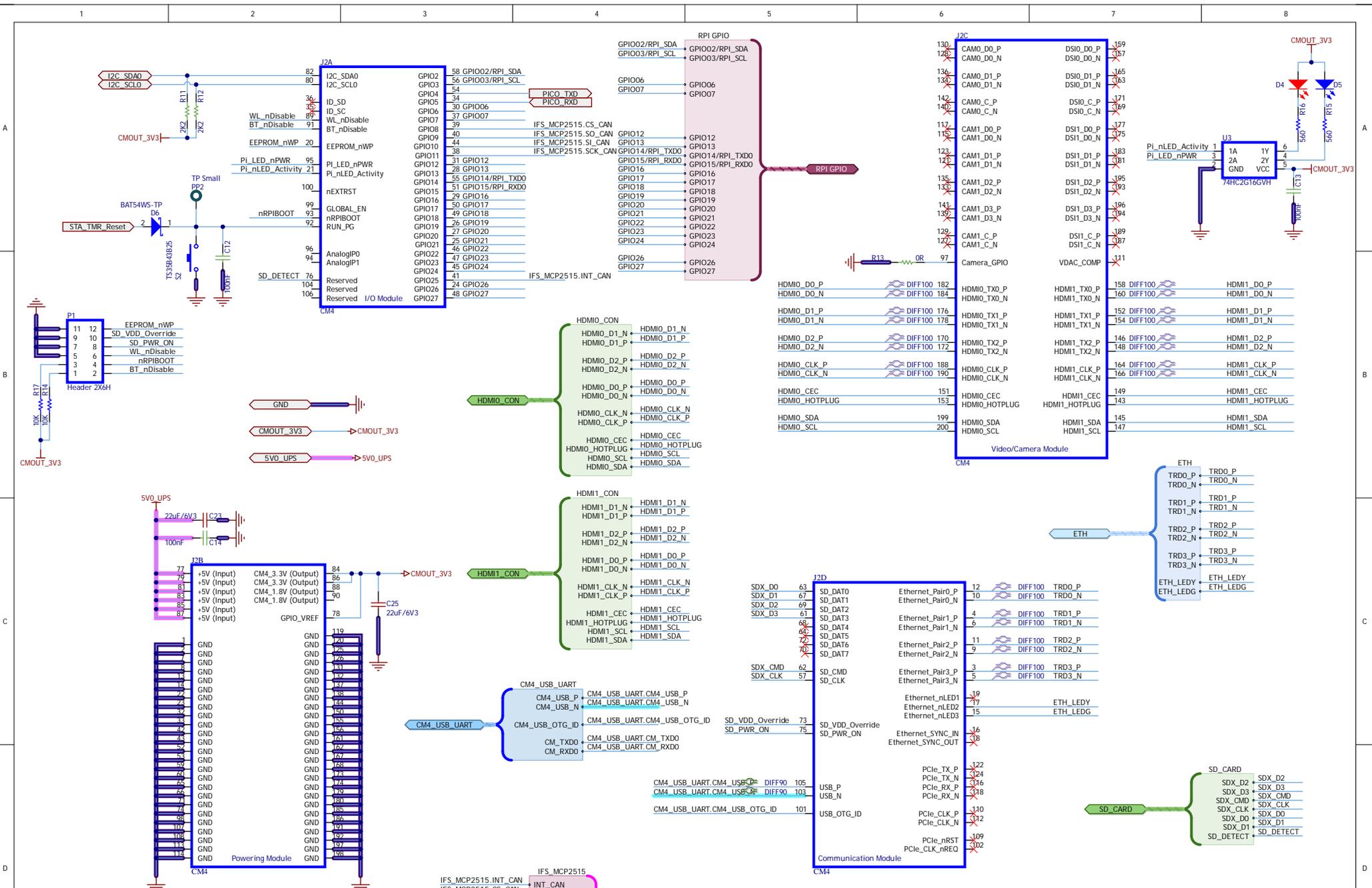
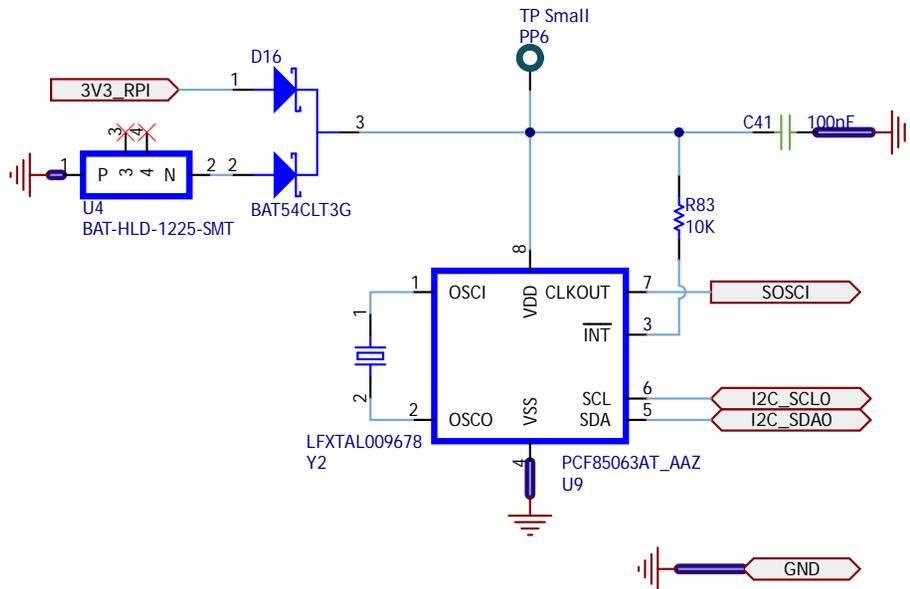


Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]	
Title: ROOT				
Size: A3	Number: 01122022	Revision: 00001	Pi Modules Nikolas 49, Nea Smyrni 171 22 Athens Greece	
Date: 6/12/2025 Time: 6:38:35 PM	Sheet 1	of 22	 www.pimodules.com	
File: C:\PIModules\CRONUS\CRONUS_carrierboard\Root_SchDoc				

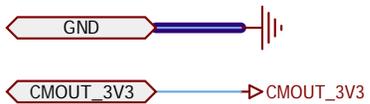


Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: CPU		Pi Modules Nikaias 49, Nea Smyrni 171 22 Athens Greece	
Size: A4	Number: 01122022.	Revision: 00001	 www.pimodules.com
Date: 6/12/2025	Time: 6:38:35 PM	Sheet 2 of 22	
File: C:\PiModules\CRONUS\CRONUS_carrierboard\CPU.SchDoc			

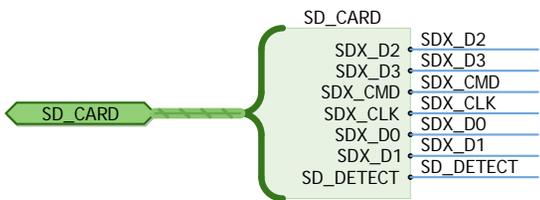
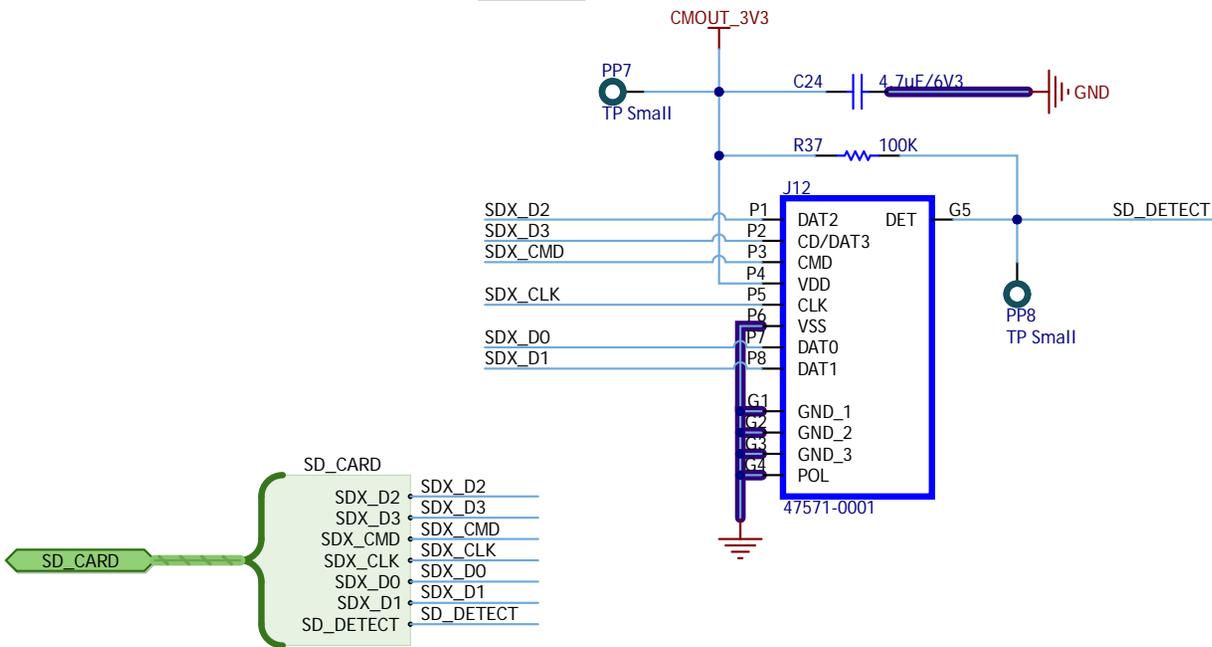




Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]	
Title: RTC			PiModules Nikaïas 49, Nea Smyrni 17122 Athens Greece	
Size: A	Number: 01122022	Revision: 00001		
Date: 6/12/2025 Time: 6:38:36 PM	Sheet 4 of 22	File: C:\PiModules\CRONUS\CRONUS_carrierboard\RTC.SchDoc		
			www.pimodules.com	

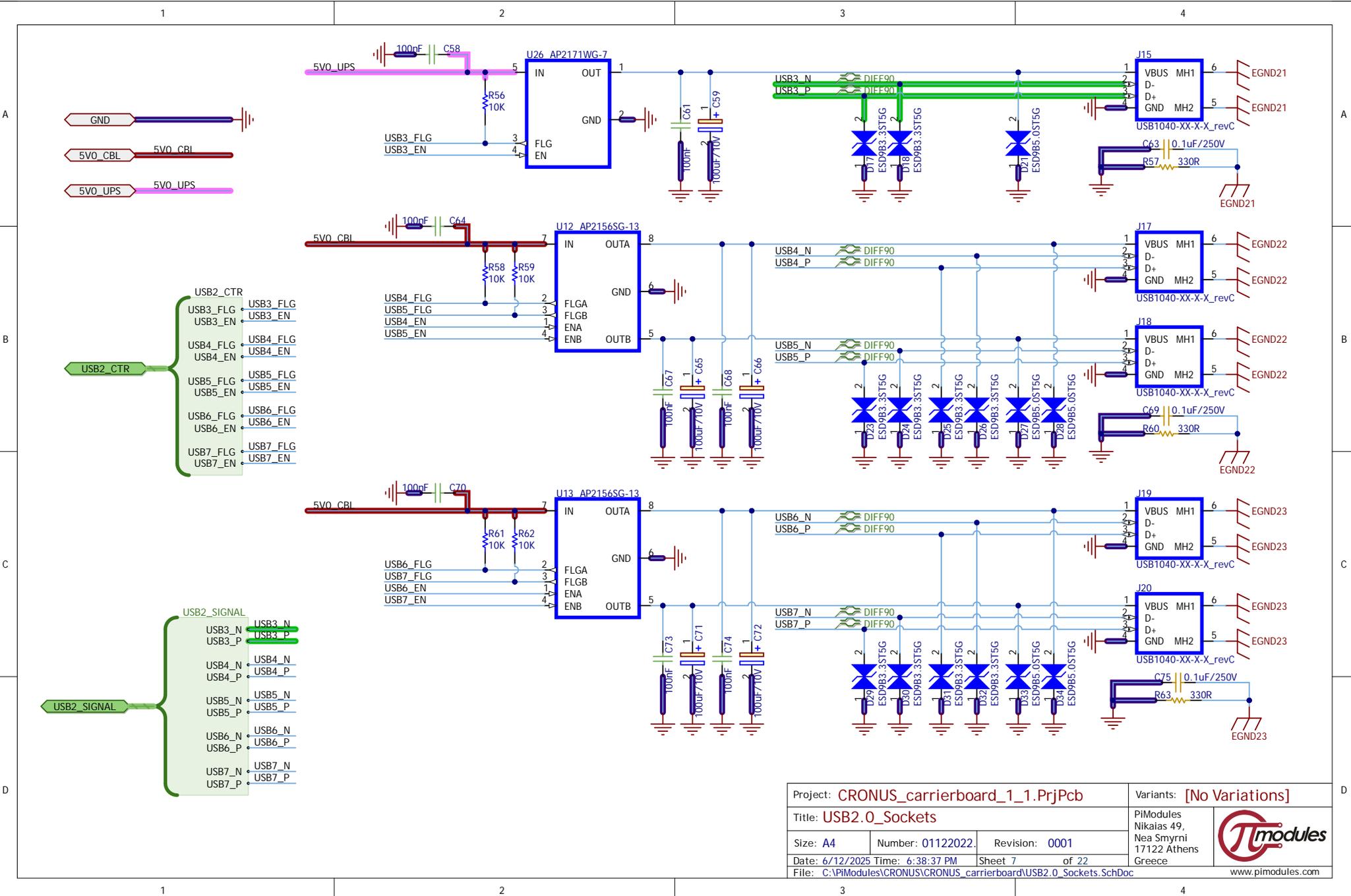


CMOUT_3V3 is originated by CM4 and is protected by UPS

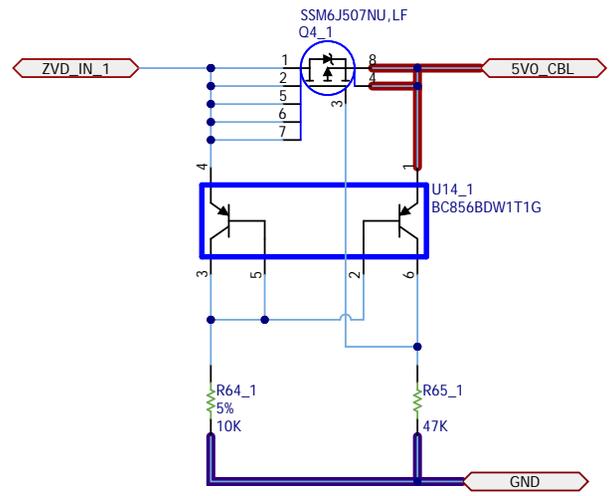


Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: Evergreen Miner SD Card		PiModules Nikaïas 49, Nea Smyrni 17122 Athens Greece	
Size: A	Number: 01122022	Revision: 00001	
Date: 6/12/2025 Time: 6:38:36 PM	Sheet 5	of 22	
File: C:\PiModules\CRONUS_carrierboard\SD Card.SchDoc		www.pimodules.com	

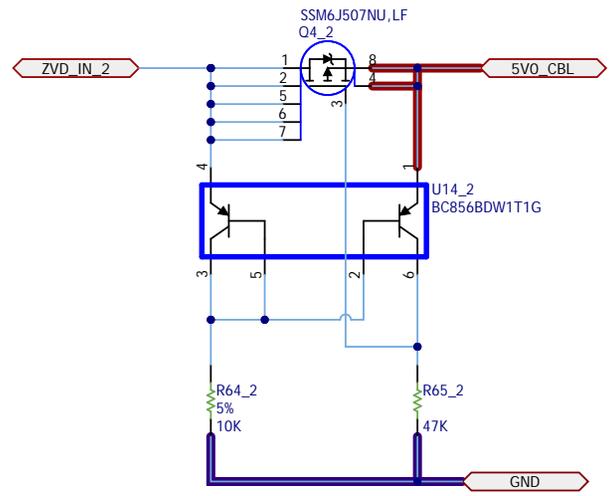




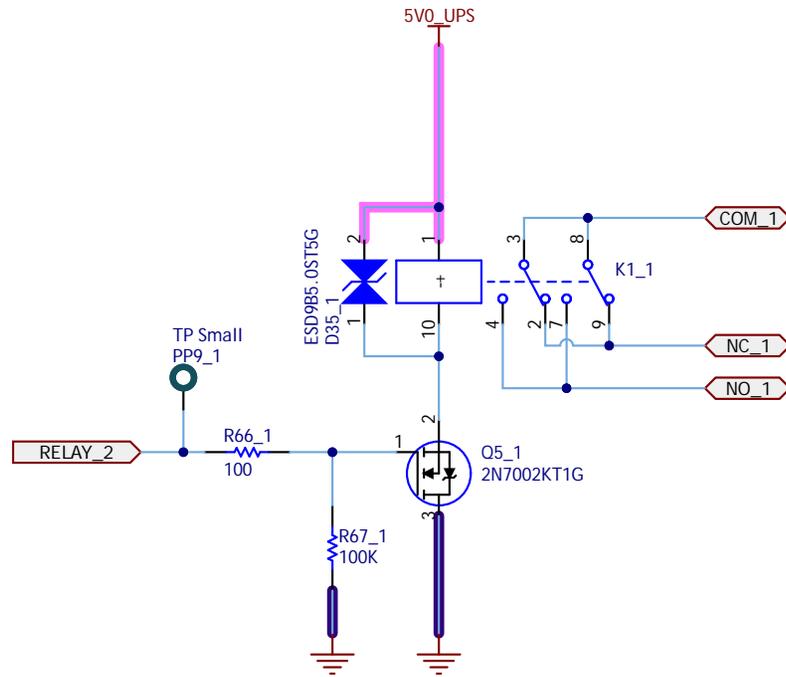
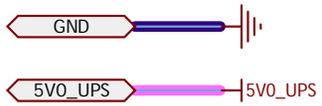
Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: USB2.0_Sockets		PIModules Nikais 49, Nea Smyrni 17122 Athens Greece	
Size: A4	Number: 01122022	Revision: 0001	 www.pimodules.com
Date: 6/12/2025	Time: 6:38:37 PM	Sheet 7 of 22	
File: C:\PIModules\CRONUS\CRONUS_carrierboard\USB2.0_Sockets.SchDoc			



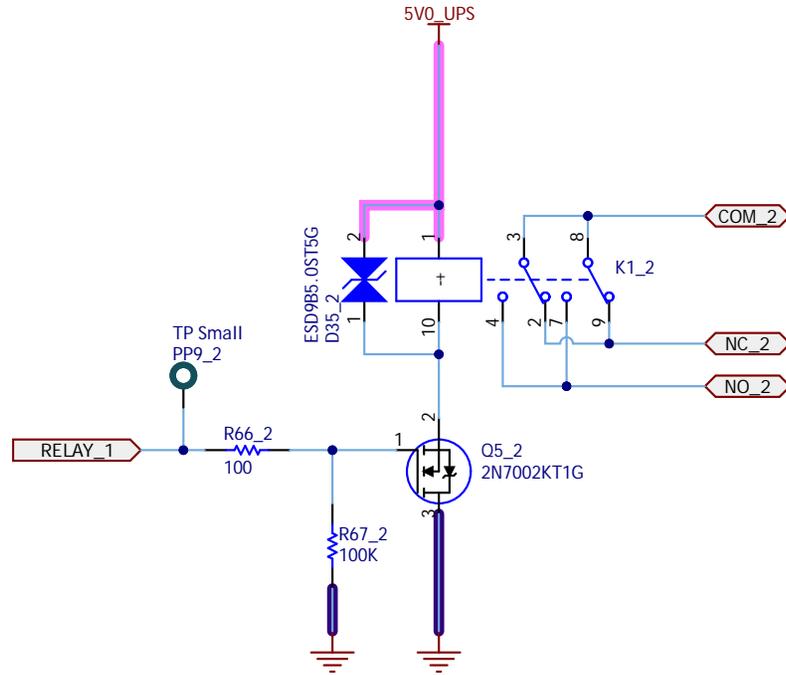
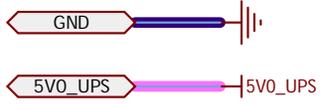
Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]
Title: ZVD			Pi Modules Nikaias 49, Nea Smyrni 171 22 Athens Greece  www.pimodules.com
Size: A4	Number: 01122022.1	Revision: 000001	
Date: 6/12/2025	Time: 6:38:37 PM	Sheet 8.1 of 22	
File: C:\PiModules\CRONUS\CRONUS_carrierboard\ZVD.SchDoc			



Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]
Title: ZVD			Pi Modules Nikaias 49, Nea Smyrni 171 22 Athens Greece  www.pimodules.com
Size: A4	Number: 01122022.2	Revision: 000001	
Date: 6/12/2025	Time: 6:38:37 PM	Sheet 8.2 of 22	
File: C:\PiModules\CRONUS\CRONUS_carrierboard\ZVD.SchDoc			

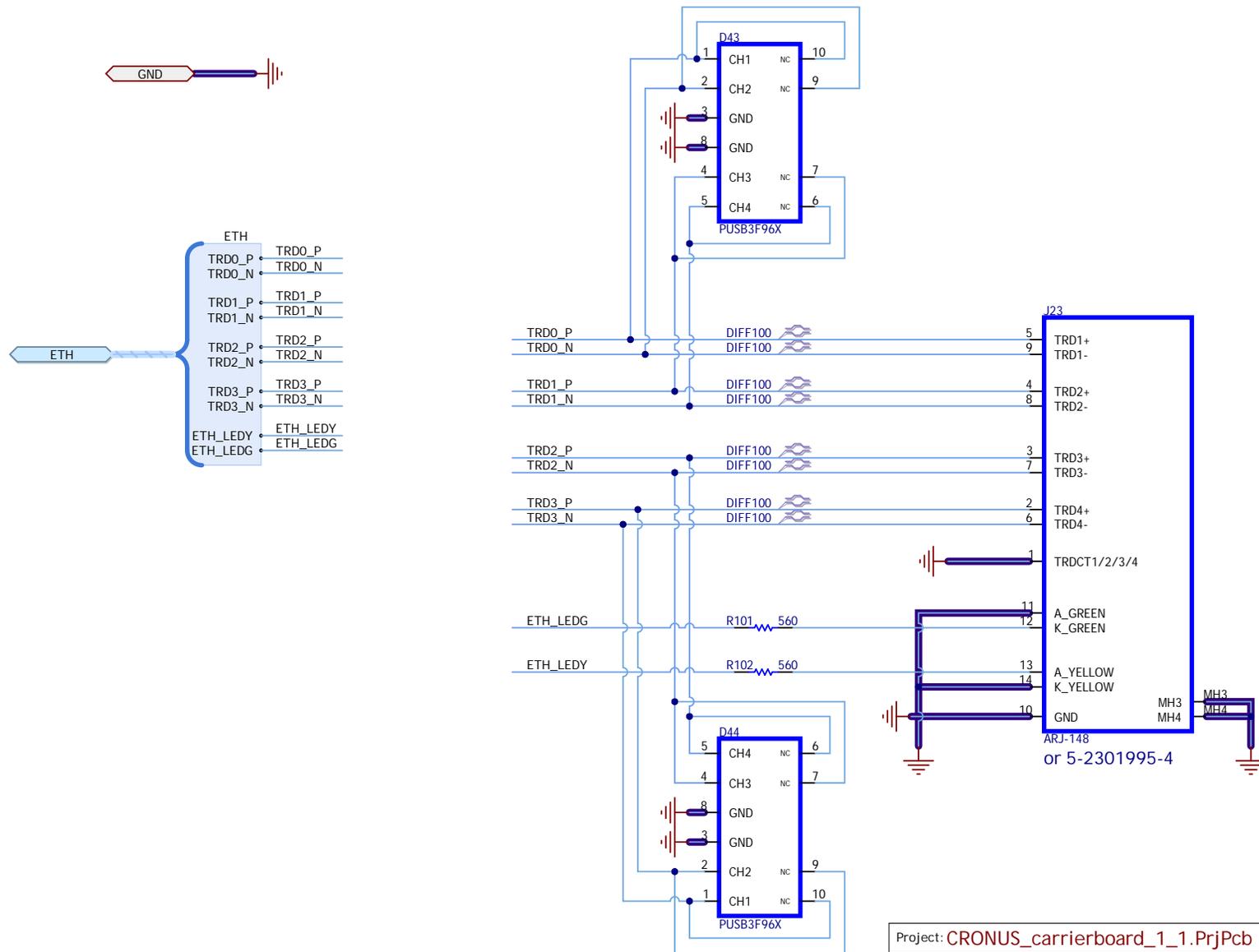


Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: SPDT Relay 5V		PiModules Nikaïas 49, Nea Smyrni 17122 Athens Greece	
Size: A	Number: 01122022.2	Revision: 00001	
Date: 6/12/2025	Time: 6:38:37 PM	Sheet 9.1 of 22	
File: C:\PiModules\CRONUS_carrierboard\SPDT Relay 5V.SchDoc			www.pimodules.com

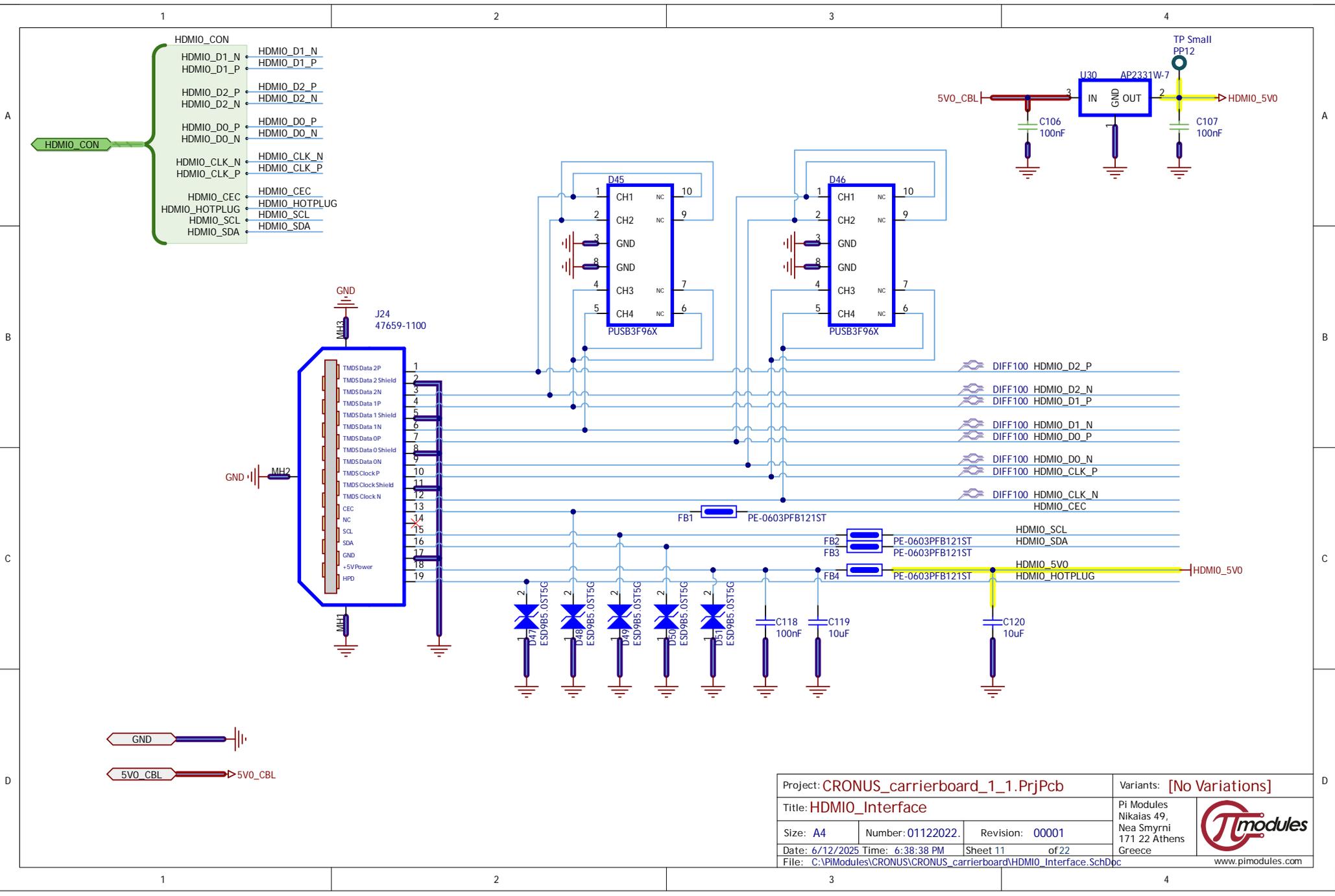


Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: SPDT Relay 5V		PiModules Nikaia 49, Nea Smyrni 17122 Athens Greece	
Size: A	Number: 01122022.1	Revision: 00001	
Date: 6/12/2025	Time: 6:38:37 PM	Sheet 9.2	of 22
File: C:\PiModules\CRONUS_carrierboard\SPDT Relay 5V.SchDoc			www.pimodules.com





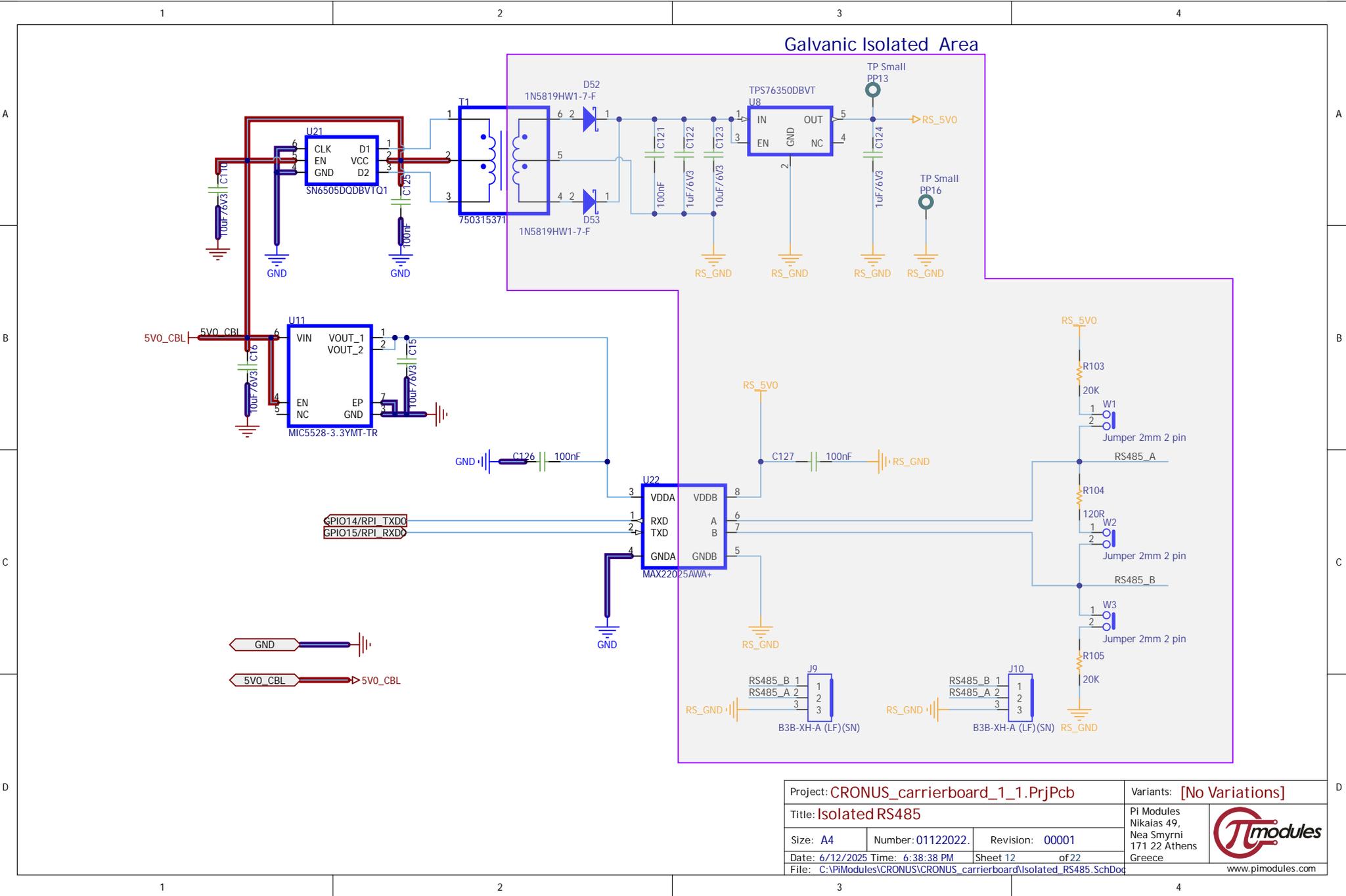
Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]
Title: 1GB Ethernet Interface			Pi Modules Nikaia 49, Nea Smyrni 171 22 Athens Greece
Size: A4	Number: 01122022.	Revision: 00001	
Date: 6/12/2025 Time: 6:38:38 PM	Sheet 10	of 22	
File: C:\PiModules\CRONUS\CRONUS_carrierboard\1GB_Ethernet_Interface.SchDoc			www.pimodules.com



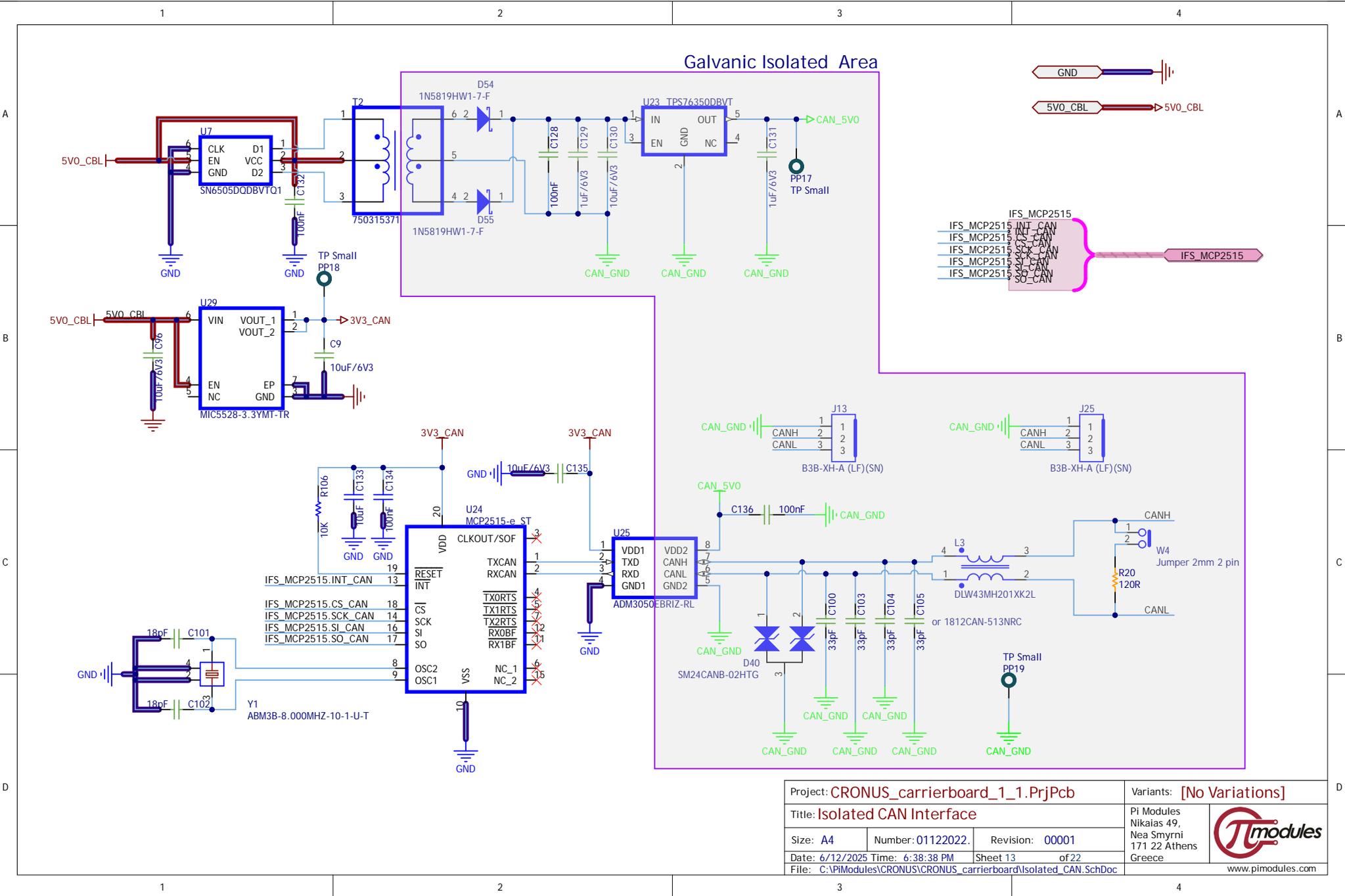
HDMIO_CON	
HDMIO_D1_N	HDMIO_D1_N
HDMIO_D1_P	HDMIO_D1_P
HDMIO_D2_P	HDMIO_D2_P
HDMIO_D2_N	HDMIO_D2_N
HDMIO_DO_P	HDMIO_DO_P
HDMIO_DO_N	HDMIO_DO_N
HDMIO_CLK_N	HDMIO_CLK_N
HDMIO_CLK_P	HDMIO_CLK_P
HDMIO_CEC	HDMIO_CEC
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HDMIO_SCL	HDMIO_SCL
HDMIO_SDA	HDMIO_SDA

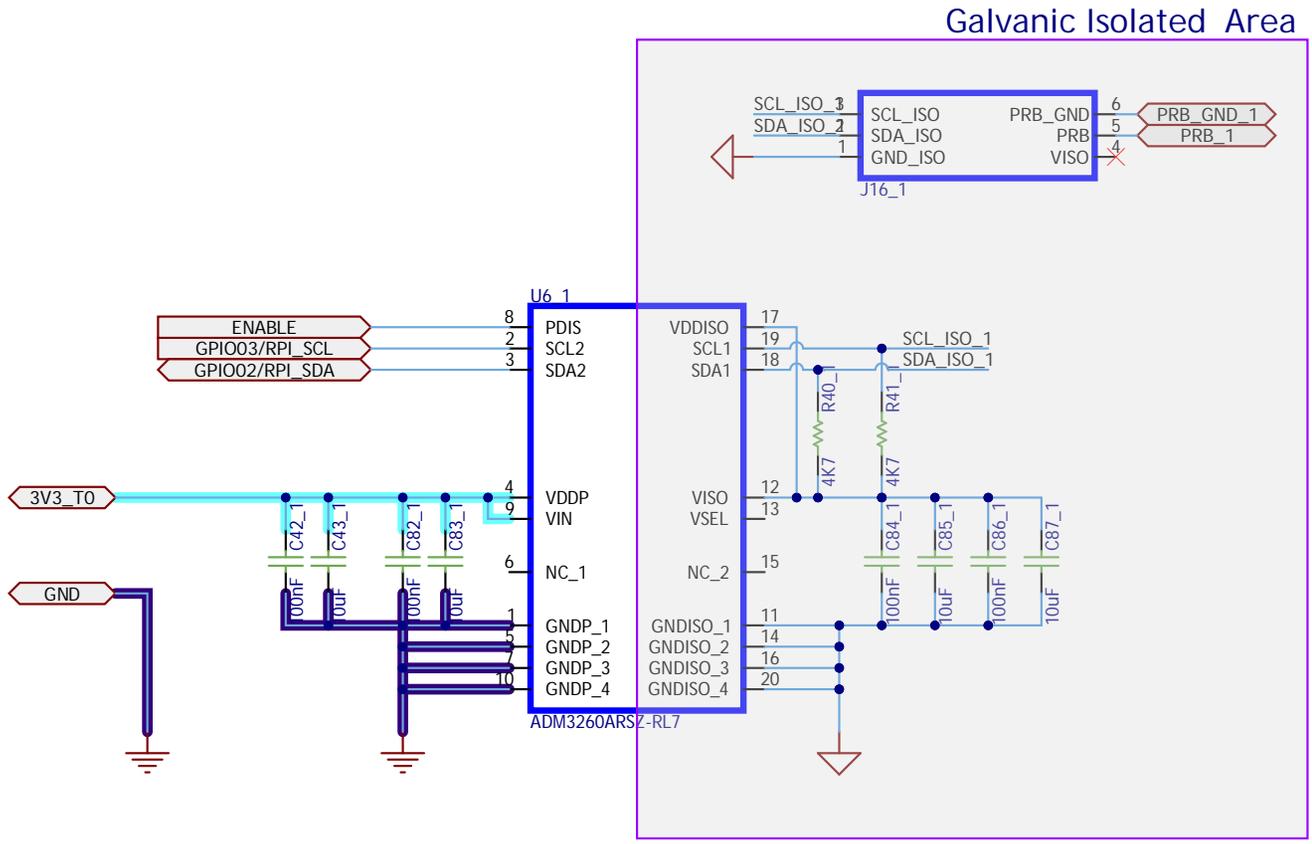
Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: HDMIO_Interface		Pi Modules Nikais 49, Nea Smyrni 171 22 Athens Greece	
Size: A4	Number: 01122022.	Revision: 00001	
Date: 6/12/2025	Time: 6:38:38 PM	Sheet 11	of 22
File: C:\PiModules\CRONUS\CRONUS_carrierboard\HDMIO_Interface.SchDpc		www.pimodules.com	



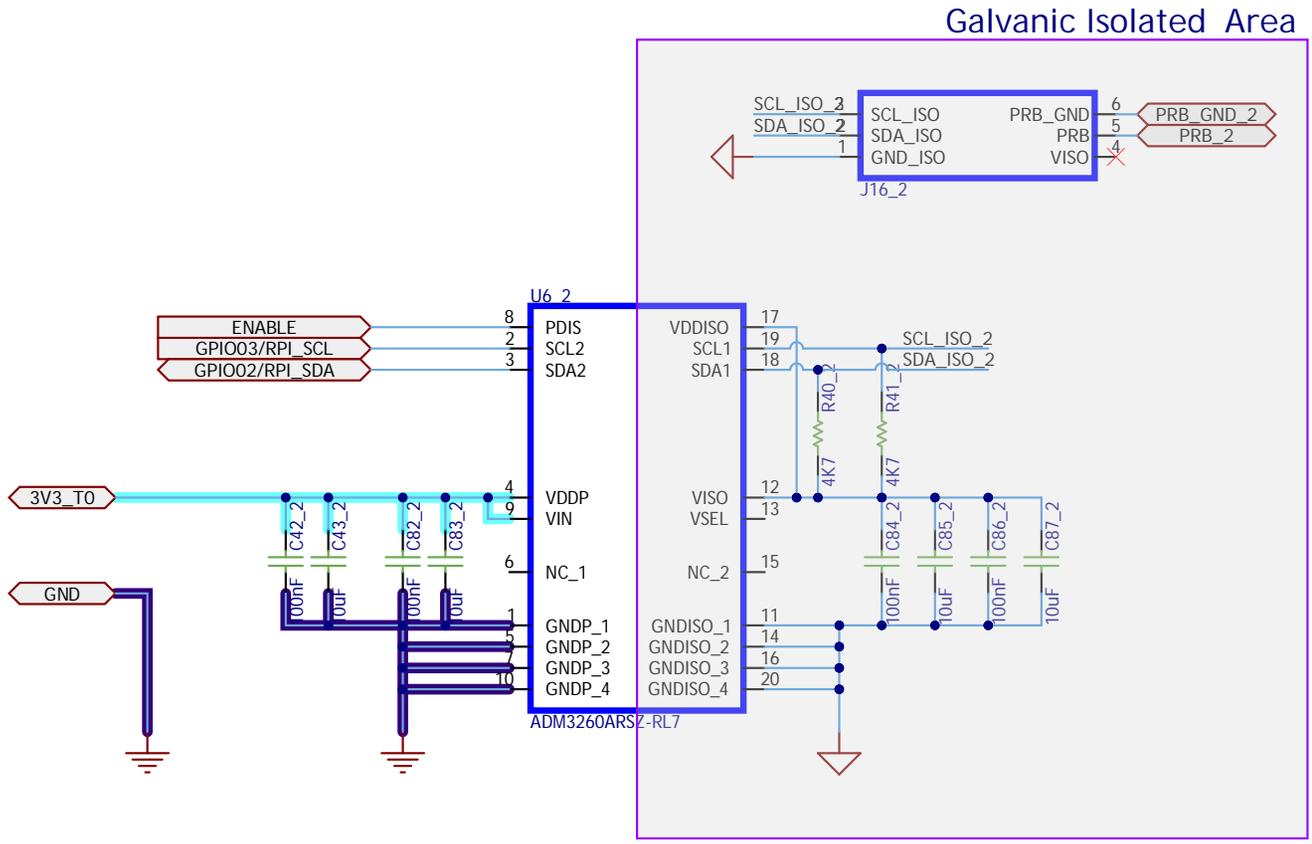


Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]	
Title: Isolated RS485			Pi Modules Nikais 49, Nea Smyrni 171 22 Athens Greece	
Size: A4	Number: 01122022.	Revision: 00001		
Date: 6/12/2025 Time: 6:38:38 PM	Sheet 12	of 22		
File: C:\PiModules\CRONUS\CRONUS_carrierboard\Isolated_RS485.SchDoc			www.pimodules.com	

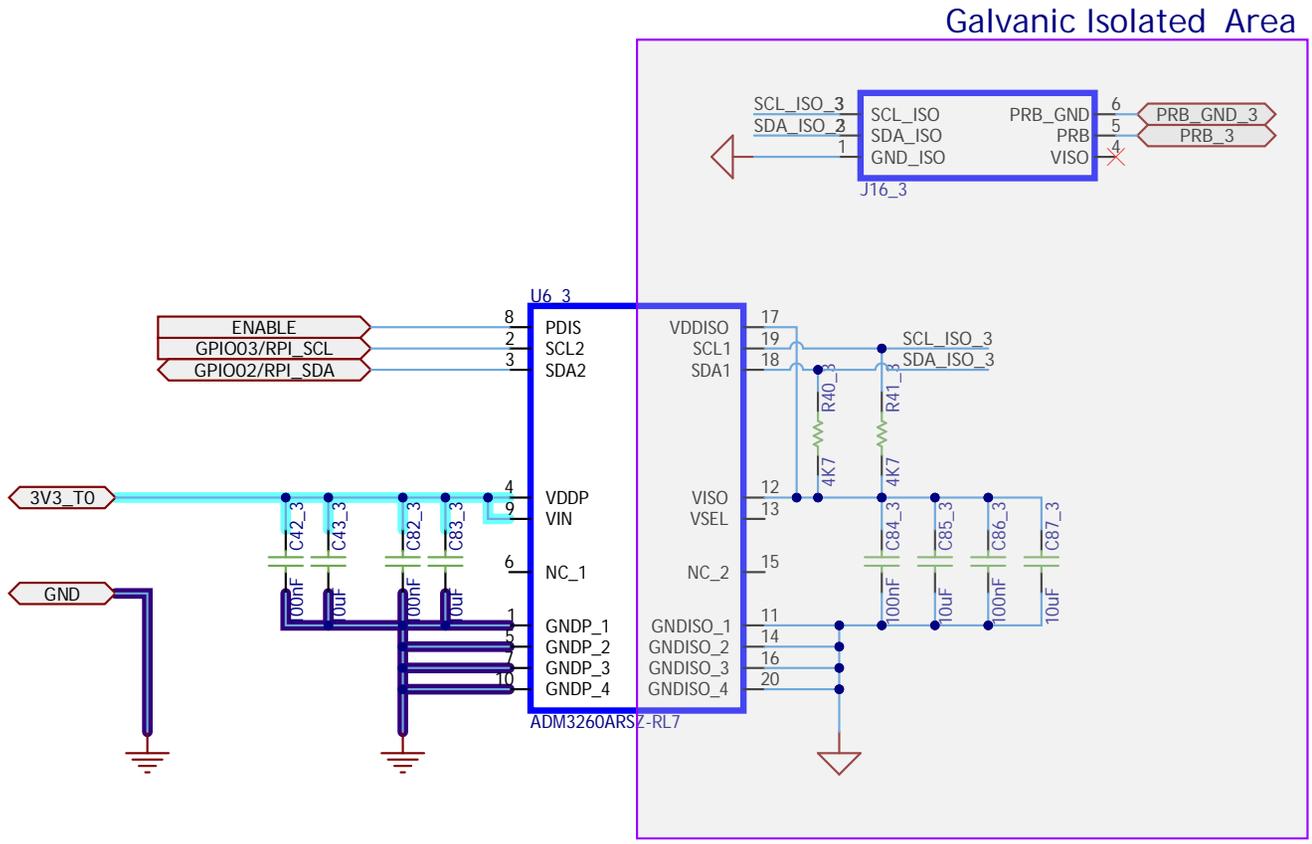




Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: Whitebox TO Isolator		PiModules Nikaia 49, Nea Smyrni 17122 Athens Greece	
Size: A	Number: 01122022.3	Revision: 0001	
Date: 6/12/2025	Time: 6:38:38 PM	Sheet 14.1 of 22	
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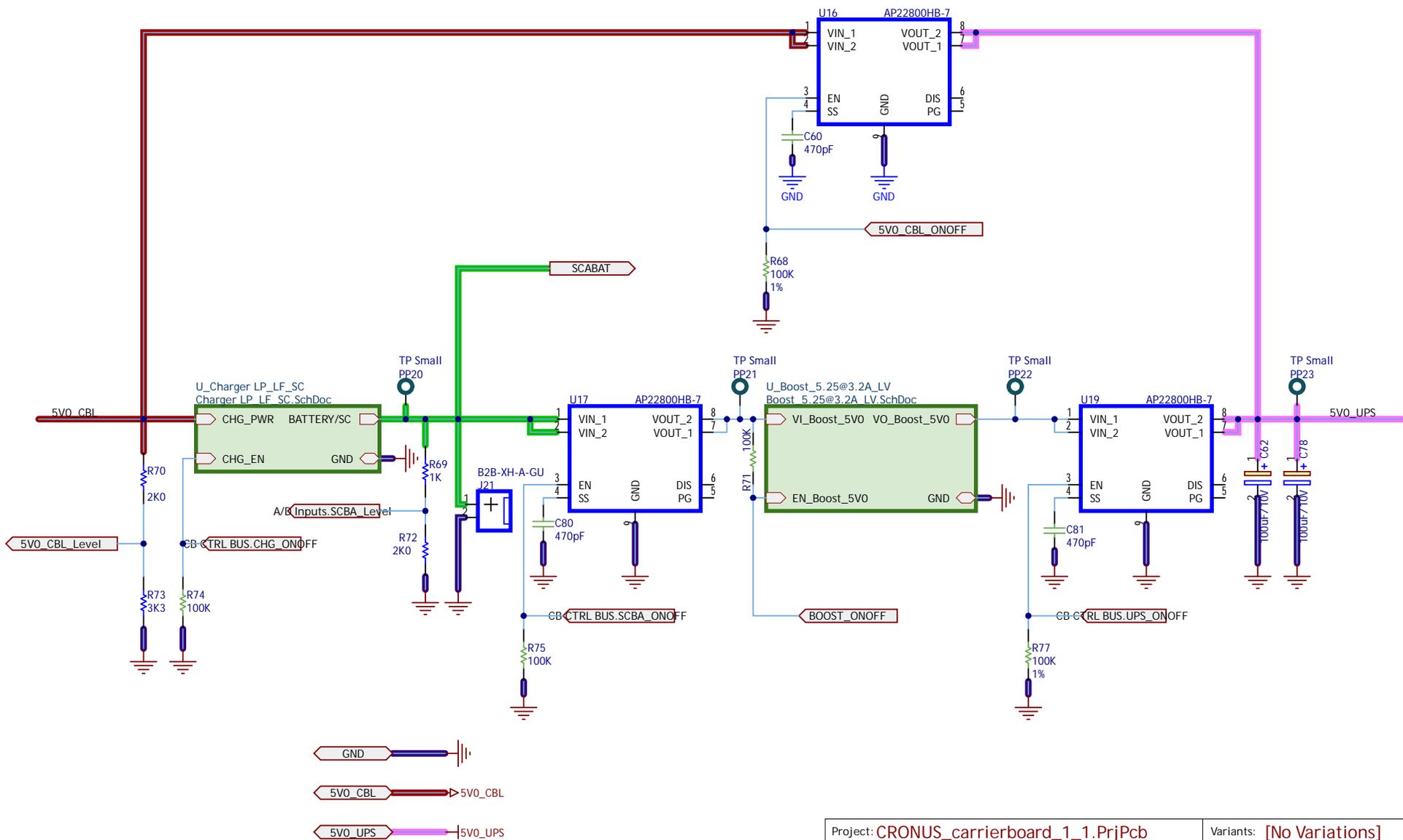


Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: Whitebox TO Isolator		PiModules Nikaïas 49, Nea Smyrni 17122 Athens Greece	
Size: A	Number: 01122022.2	Revision: 0001	
Date: 6/12/2025 Time: 6:38:39 PM	Sheet 14.2 of 22		
File: C:\PiModules\CRONUS_carrierboard\Whitebox TO Isolator.SchDoc			
www.pimodules.com			



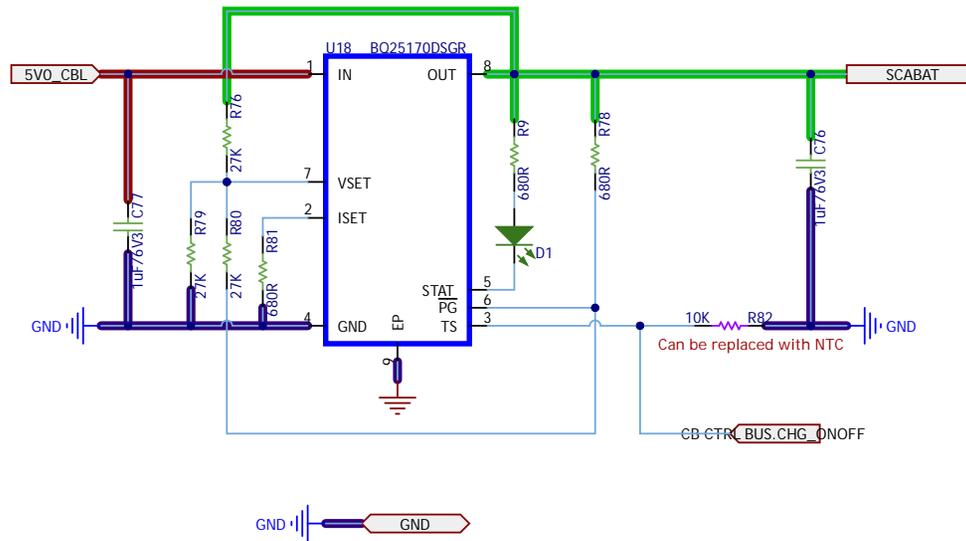
Galvanic Isolated Area

Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: Whitebox TO Isolator		PiModules Nikaïas 49, Nea Smyrni 17122 Athens Greece	
Size: A	Number: 01122022.1	Revision: 0001	
Date: 6/12/2025 Time: 6:38:39 PM	Sheet 14.3 of 22		
File: C:\PiModules\CRONUS_carrierboard\Whitebox TO Isolator.SchDoc			
www.pimodules.com			

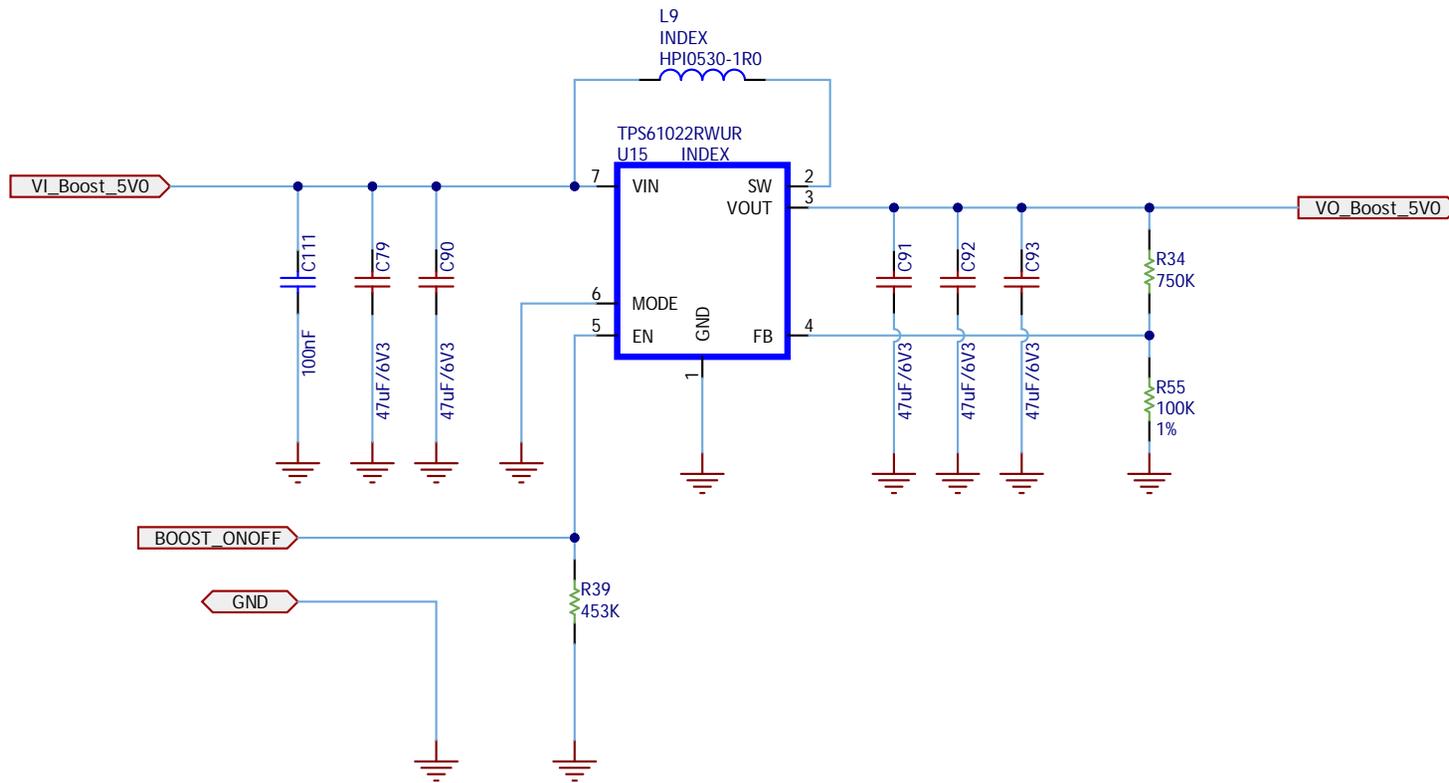


Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]
Title: UPS			Pi Modules Nikaias 49, Nea Smyrni 171 22 Athens Greece  www.pimodules.com
Size: A4	Number: 01122022.	Revision: 0001	
Date: 6/12/2025	Time: 6:38:39 PM	Sheet 15 of 22	
File: C:\PiModules\CRONUS\CRONUS_carrierboardUPS.SchDoc			

Adjust Resistors depending to Used SC/BAT Variants

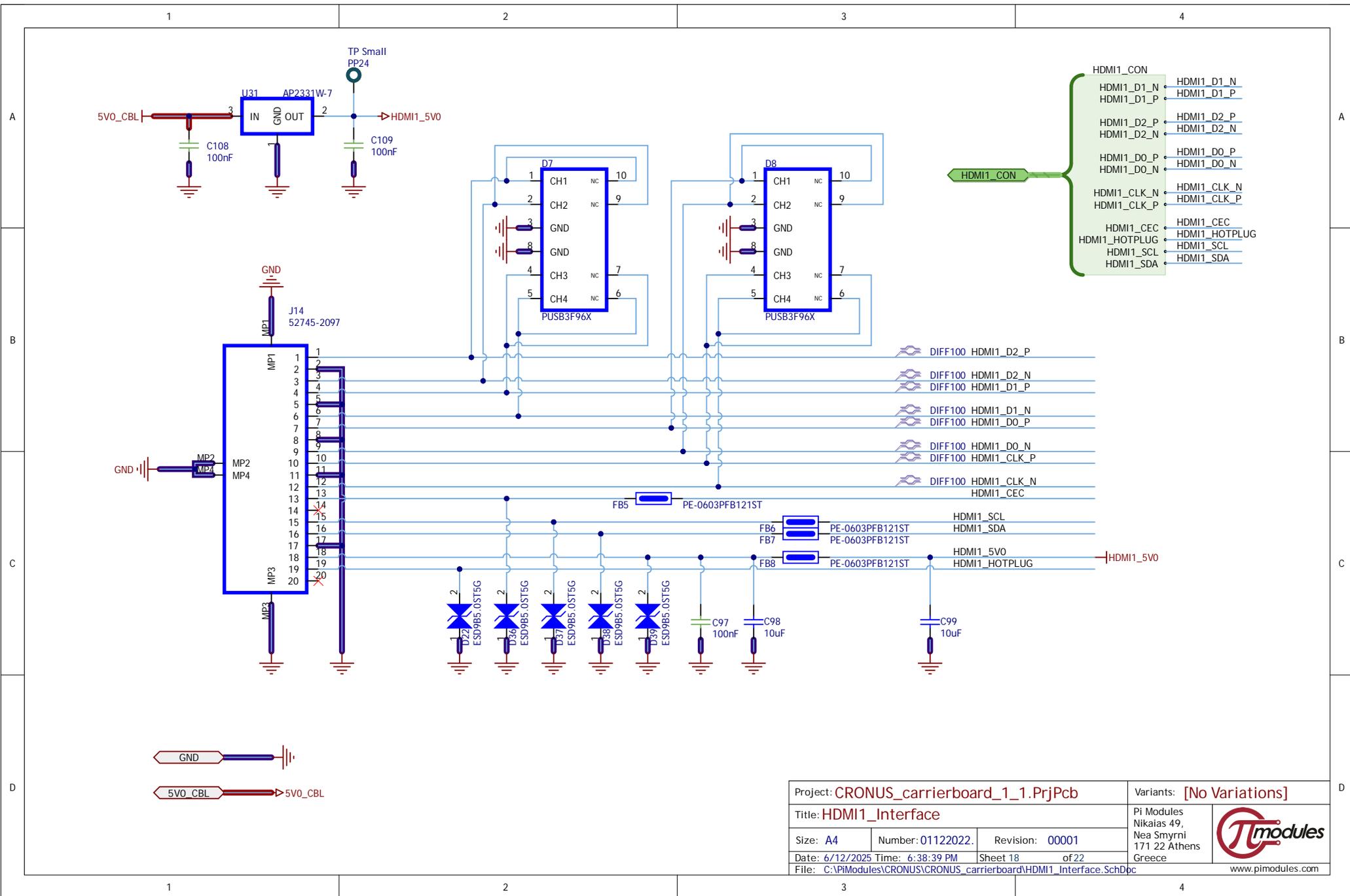


Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]
Title: Charger LP/LF/SC			Pi Modules Nikaias 49, Nea Smyrni 171 22 Athens Greece
Size: A4	Number: 01122022.	Revision: 00001	
Date: 6/12/2025	Time: 6:38:39 PM	Sheet 16 of 22	 www.pimodules.com
File: C:\PiModules\CRONUS\CRONUS_carrierboard\Charger_LP_LF_SC.SchDoc			

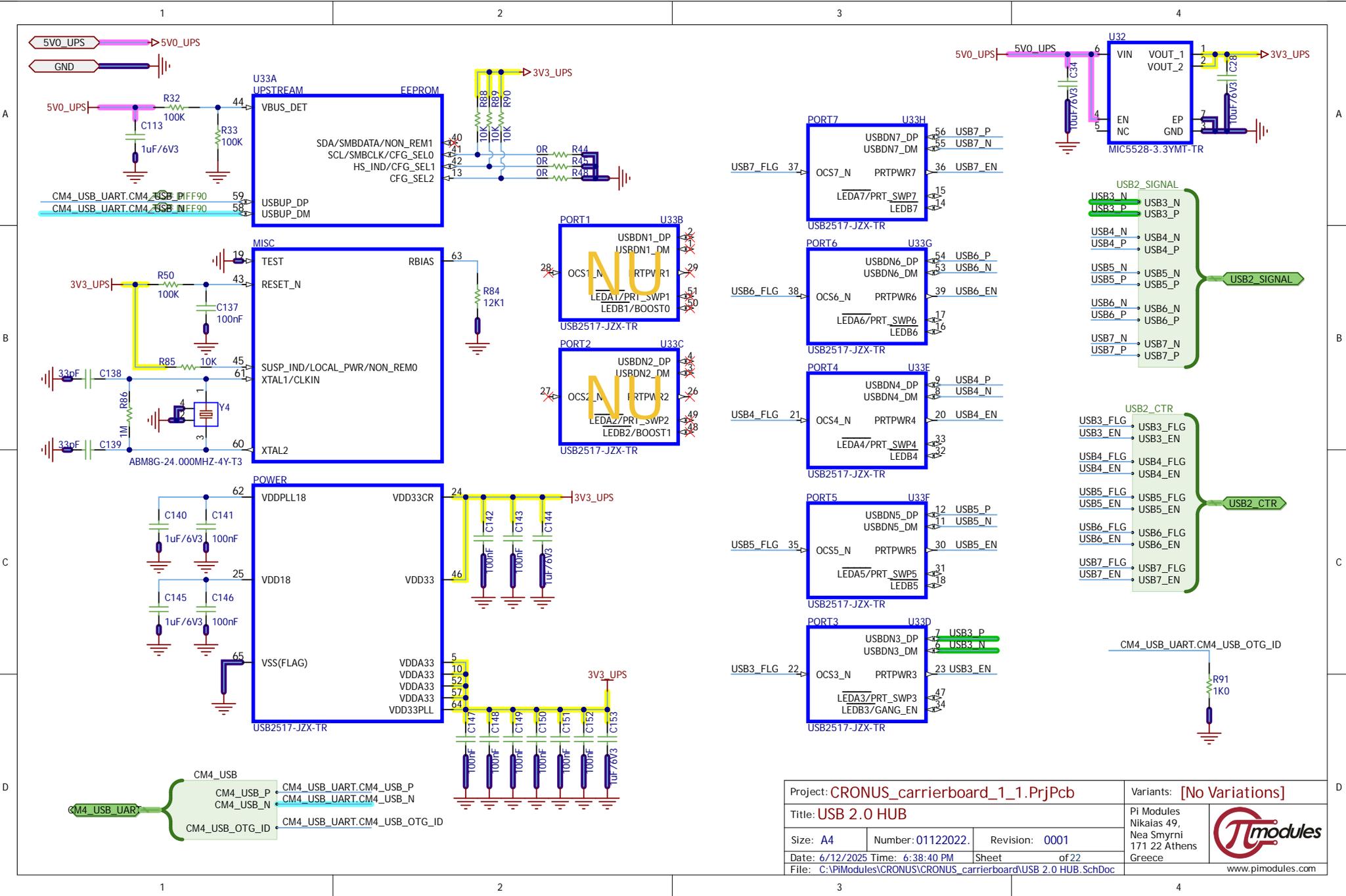


Project: CRONUS_carrierboard_1_1.PrjPcb			Variants: [No Variations]	
Title:				
Size: A	Number:	Revision:		
Date: 6/12/2025 Time: 6:38:39 PM		Sheet of		
File: C:\PiModules\CRONUS\CRONUS_carrierboard\Boost_5.25@3.2A_LV.SchDoc				www.pimodules.com





Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: HDMI1_Interface		Pi Modules Nikais 49, Nea Smyrni 171 22 Athens Greece	
Size: A4	Number: 01122022.	Revision: 00001	
Date: 6/12/2025 Time: 6:38:39 PM	Sheet 18	of 22	
File: C:\PiModules\CRONUS\CRONUS_carrierboard\HDMI1_Interface.SchDpc		www.pimodules.com	



Project: CRONUS_carrierboard_1_1.PrjPcb		Variants: [No Variations]	
Title: USB 2.0 HUB			
Size: A4	Number: 01122022.	Revision: 0001	
Date: 6/12/2025	Time: 6:38:40 PM	Sheet	of 22
File: C:\PiModules\CRONUS\CRONUS_carrierboard\USB 2.0 HUB.SchDoc			www.pimodules.com



