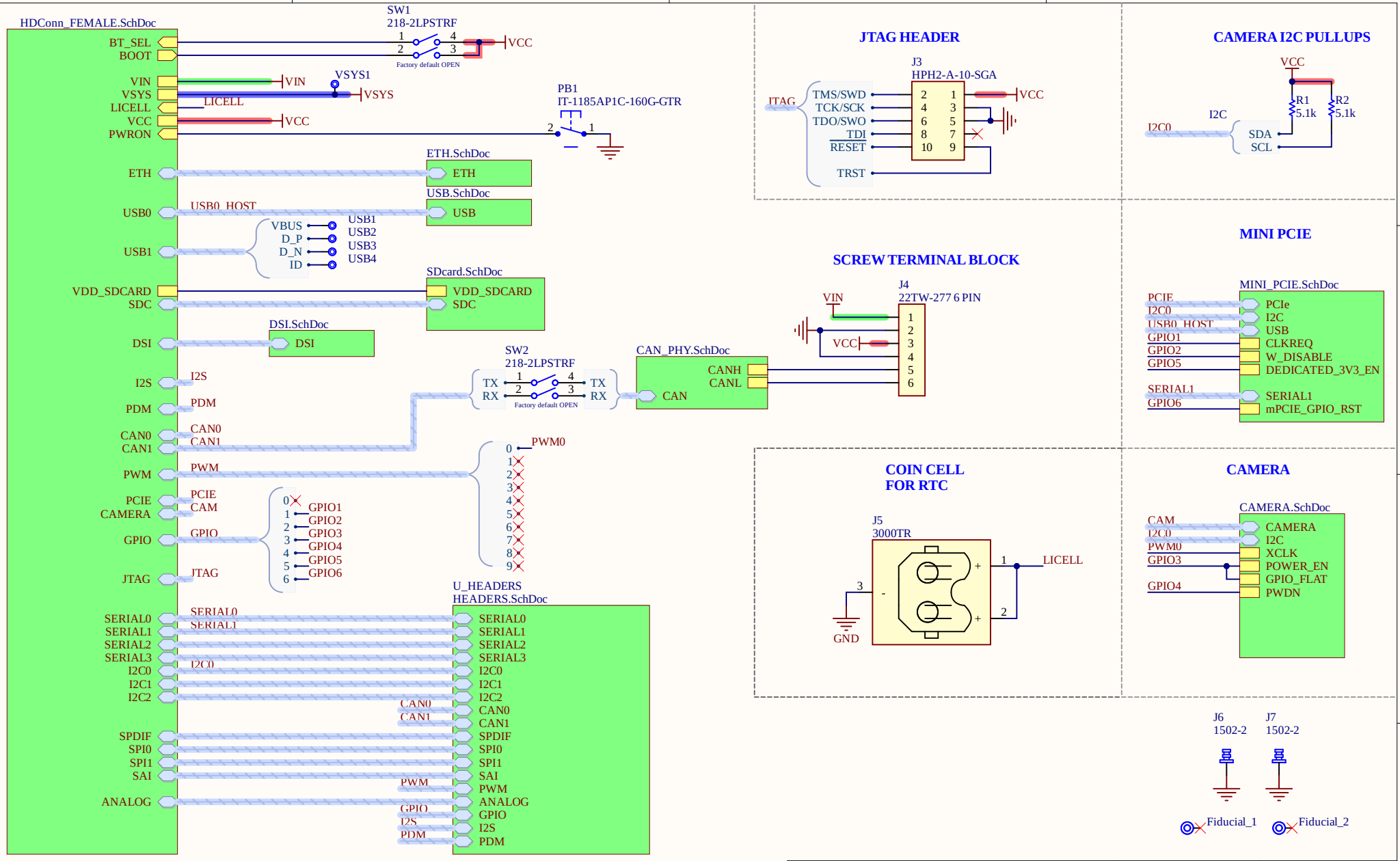

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Title: TOP			
ID: ASX00055		Version: V1.2	
Date: 05/06/2024	Time: 14:44:45	Sheet 1 of 10	
File: TOP.SchDoc		Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro

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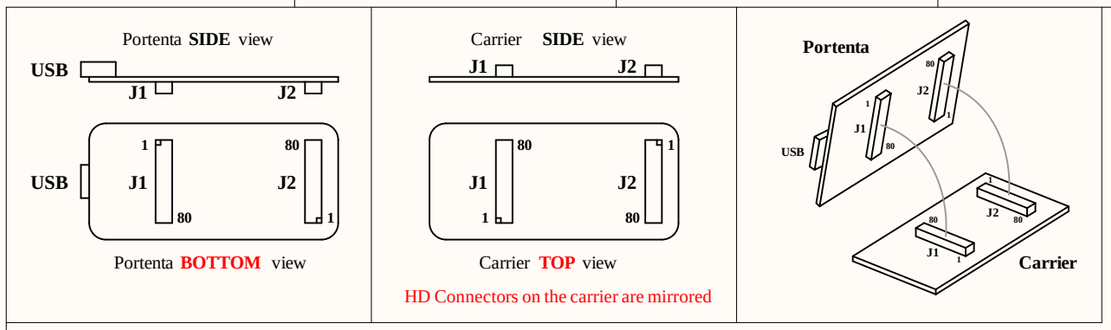

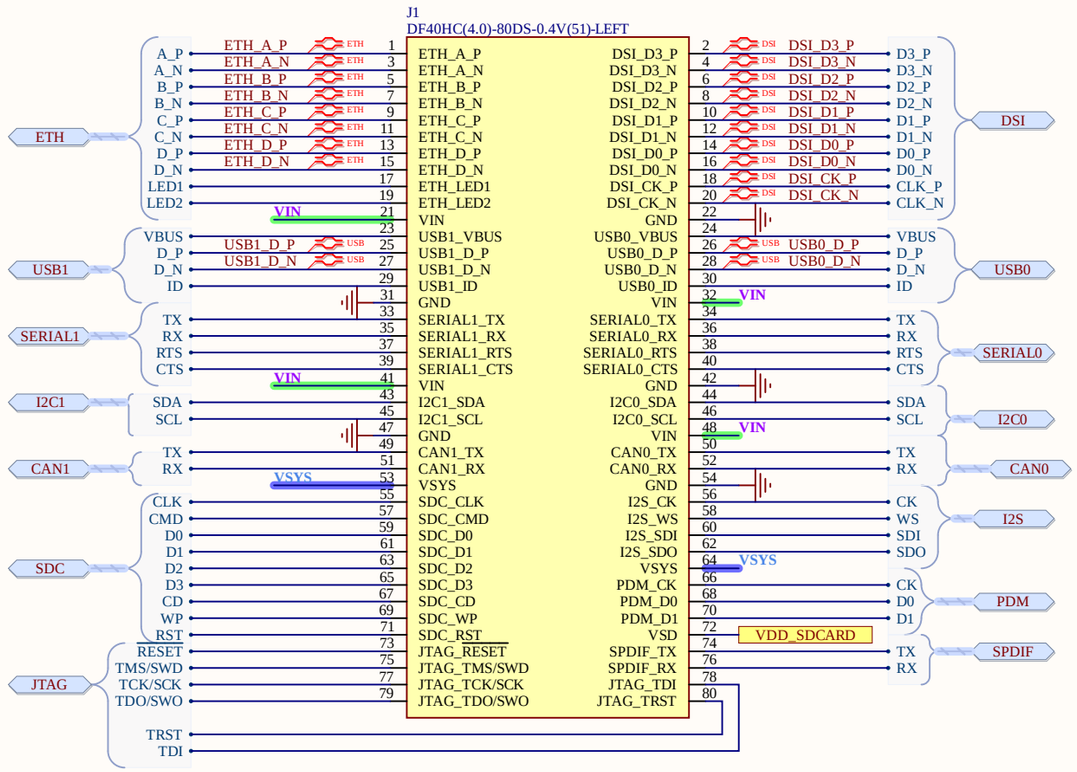

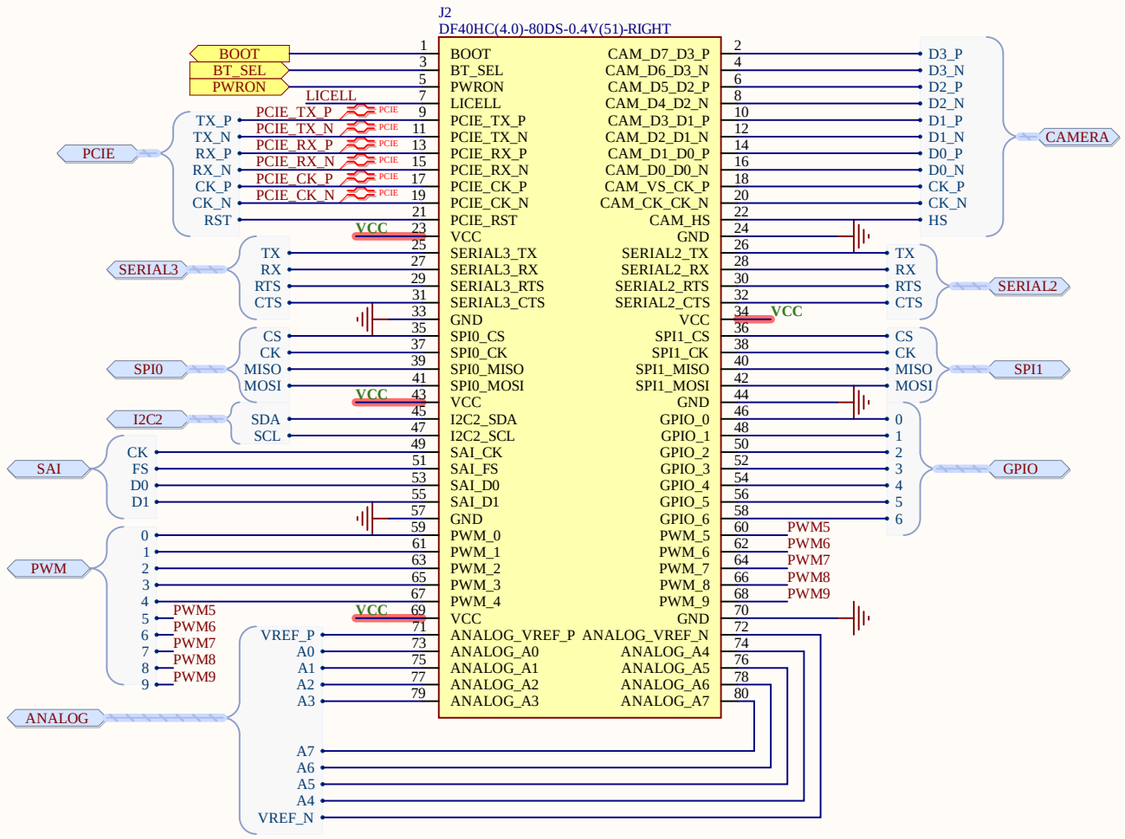

SHARED PINS TABLE

NET	BUS 1	BUS 2
PB3	JTAG	SDC2
PH11	CAM	I2C4
PH12	CAM	I2C4
PI5	CAM	SAI2A
PI6	CAM	SAI2A
PI7	CAM	SAI2A
PA4	CAM	ANALOG
PA6	CAM	ANALOG
PC2	ANALOG	SPI2
PC3	ANALOG	SPI2

POWER NETS TABLE

NET	TYPE
VIN	**PORTENTA INPUT**
VCC	***PORTENTA OUTPUT***
VSYS	***PORTENTA RESERVED OUTPUT***
LICELL	**PORTENTA INPUT**

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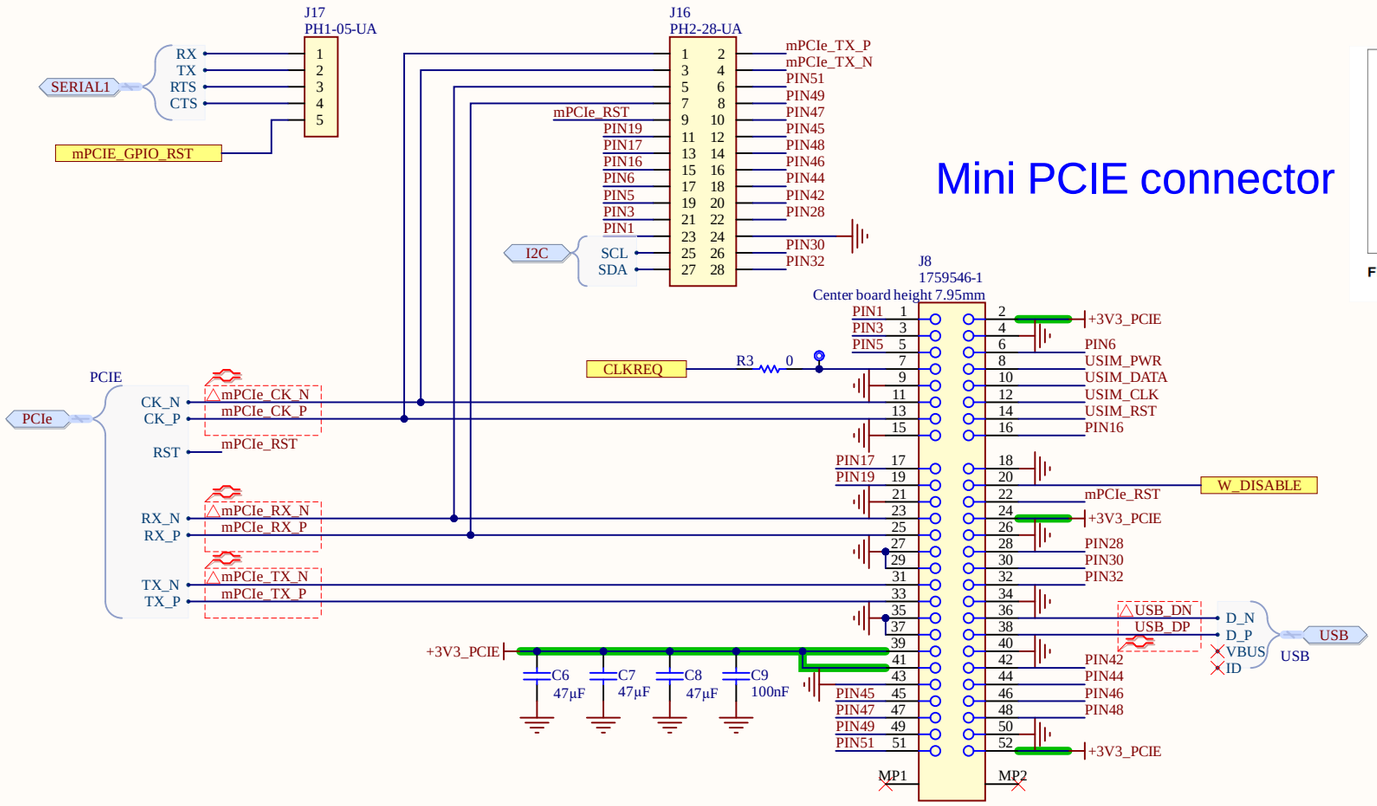
Title: **HD Connectors female**			
ID: ASX00055	Version: V1.2		
Date: 05/06/2024 Time: 14:44:46	Sheet 2 of 10		
File: HDConn_FEMALE.SchDoc	Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro	

Mini PCIE connector



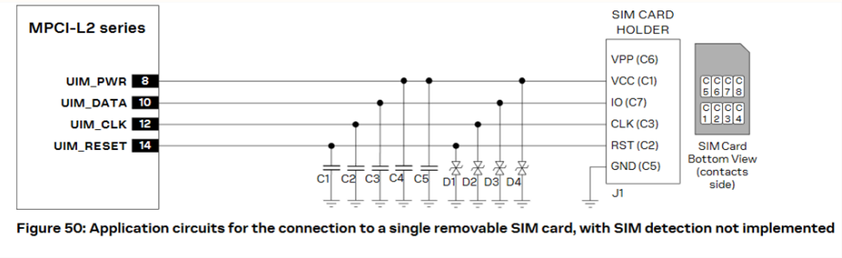
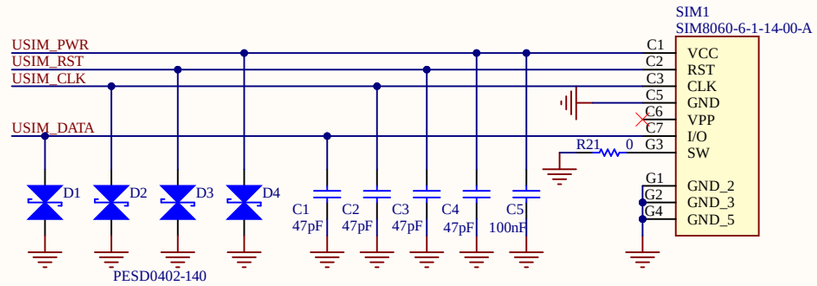
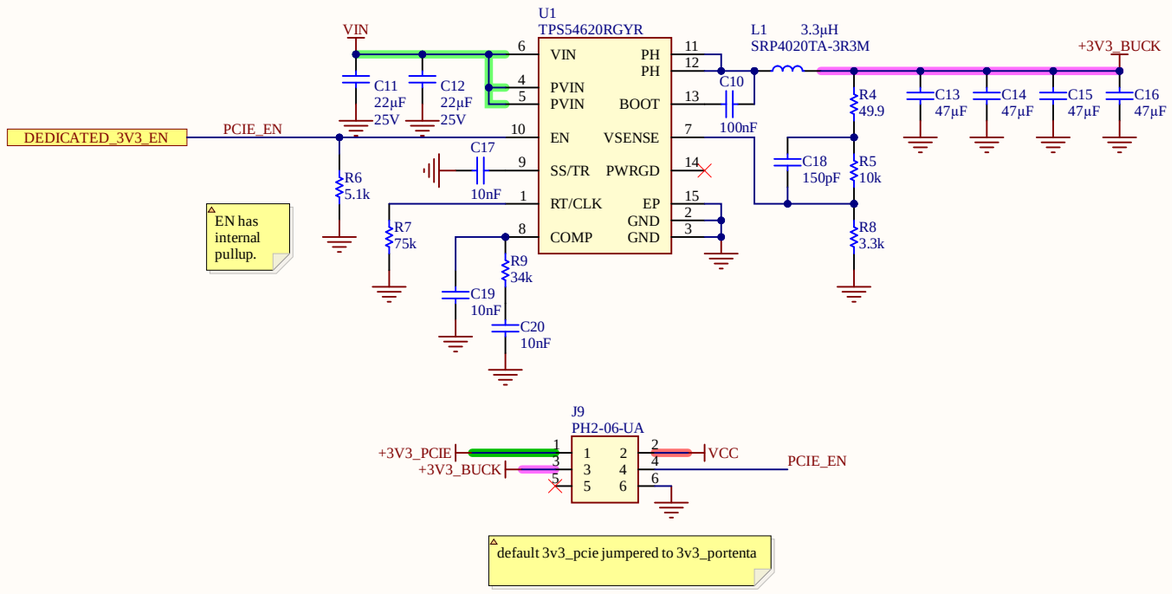
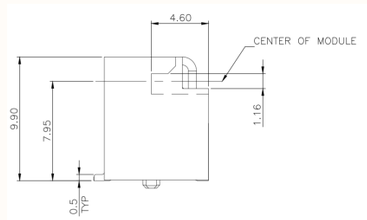


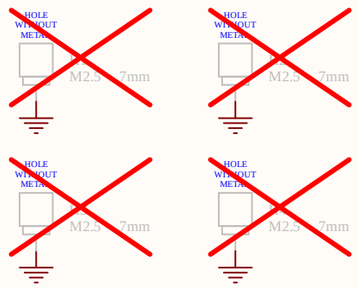
Figure 50: Application circuits for the connection to a single removable SIM card, with SIM detection not implemented



PCIE dedicated high current 3V3







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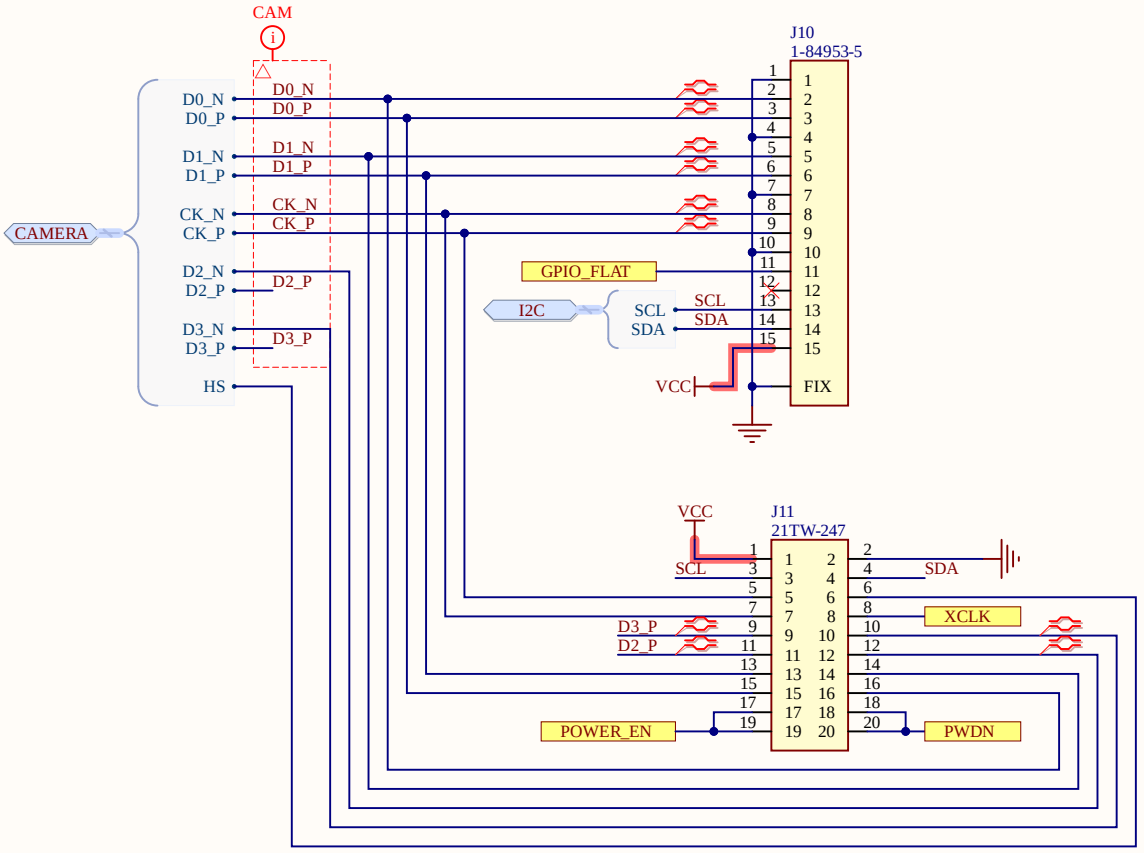
Title: **MINI PCIE**			
ID: ASX00055	Version: V1.2		
Date: 05/06/2024 Time: 14:44:47	Sheet 3 of 10		
File: MINI_PCIE.SchDoc	Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro	

Camera connectors



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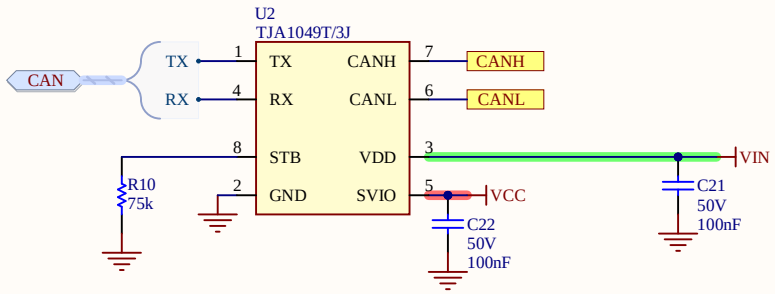
Title: **CAMERA**			
ID: ASX00055		Version: V1.2	
Date: 05/06/2024	Time: 14:44:48	Sheet 4 of 10	
File: CAMERA.SchDoc		Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro

CAN Transceiver



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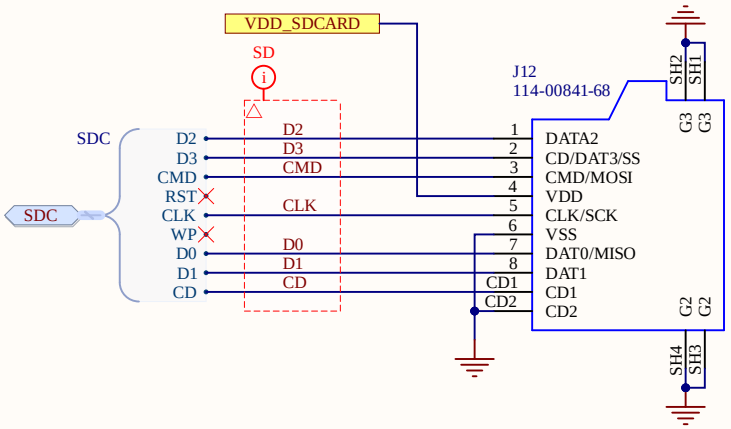
Title: **CAN PHY**			
ID: ASX00055		Version: V1.2	
Date: 05/06/2024	Time: 14:44:49	Sheet 5 of 10	
File: CAN_PHY.SchDoc		Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro

SD Card



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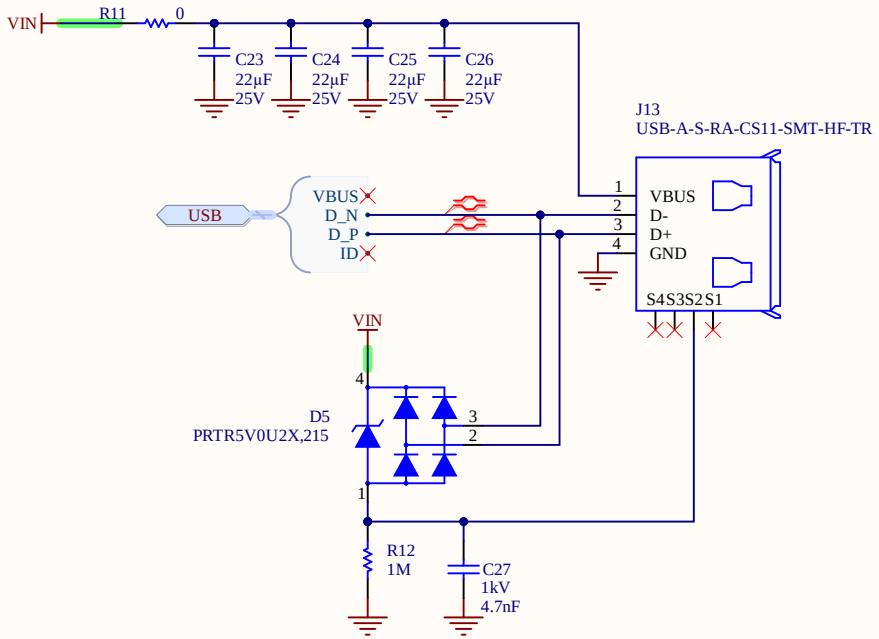
Title: **SD card**			
ID: ASX00055		Version: V1.2	
Date: 05/06/2024	Time: 14:44:49	Sheet 6 of 10	
File: SDcard.SchDoc		Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro

USB Connector



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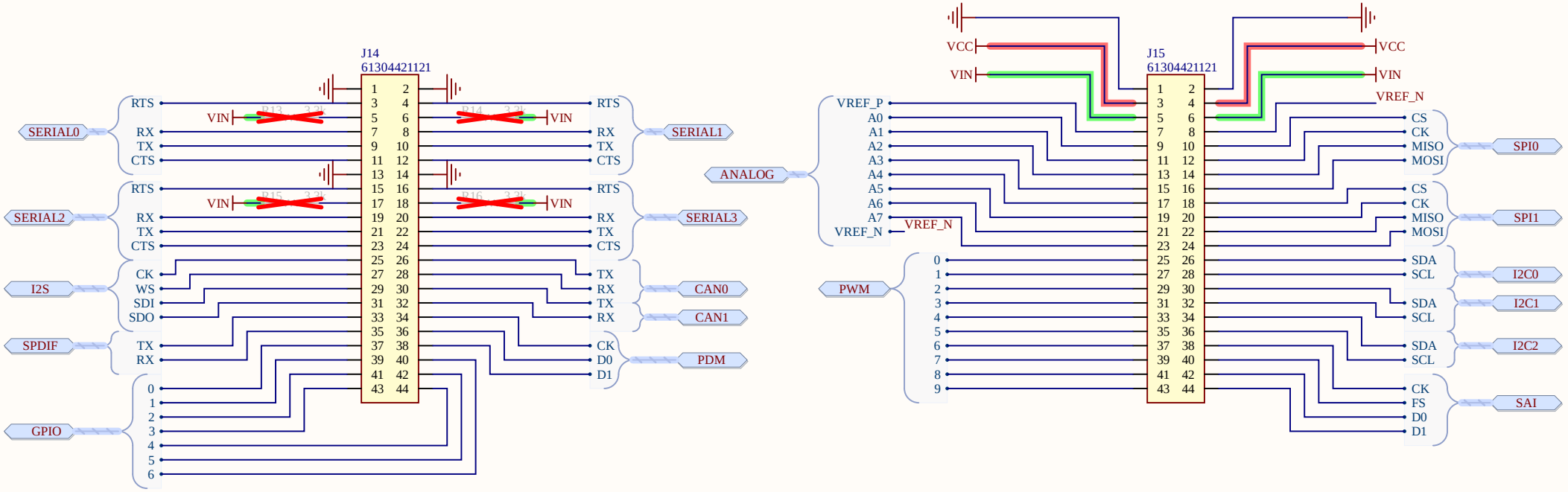
Title: **USB**			
ID: ASX00055		Version: V1.2	
Date: 05/06/2024	Time: 14:44:50	Sheet 7 of 10	
File: USB.SchDoc		Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro



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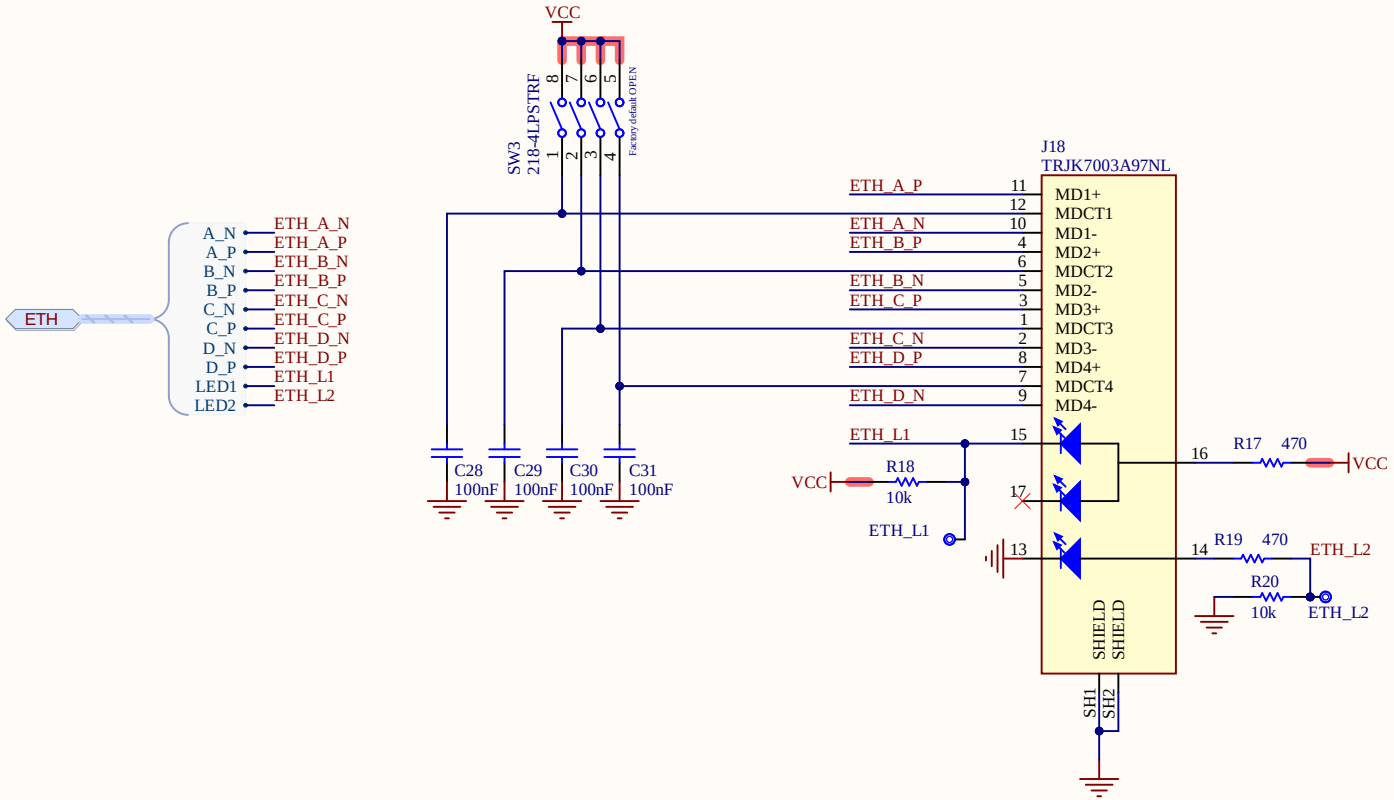
Title: **HEADERS**			
ID: ASX00055		Version: V1.2	
Date: 05/06/2024	Time: 14:44:51	Sheet 8 of 10	
File: HEADERS.SchDoc		Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro

Ethernet Connector



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Title: **ETHERNET**			
ID: ASX00055		Version: V1.2	
Date: 05/06/2024	Time: 14:44:52	Sheet 9 of 10	
File: ETH.SchDoc		Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro

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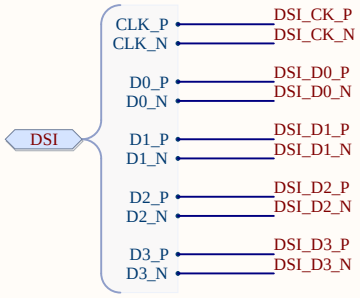
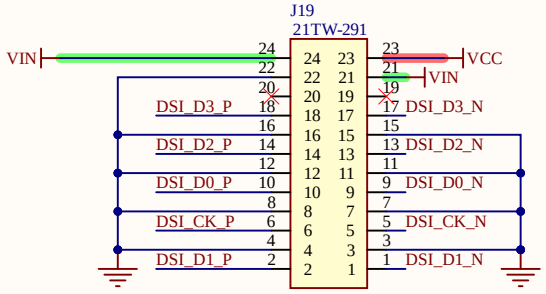
Display Connector





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Title: **USB**			
ID: ASX00055		Version: V1.2	
Date: 05/06/2024	Time: 14:44:53	Sheet 10 of 10	
File: DSI.SchDoc		Author: Daniela Catanzaro	RevAuthor: Daniela Catanzaro