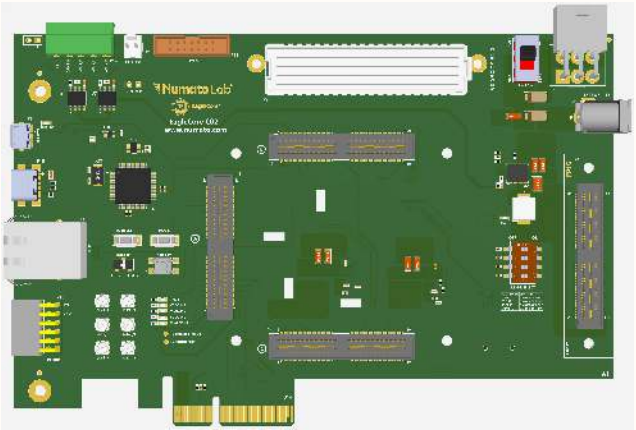
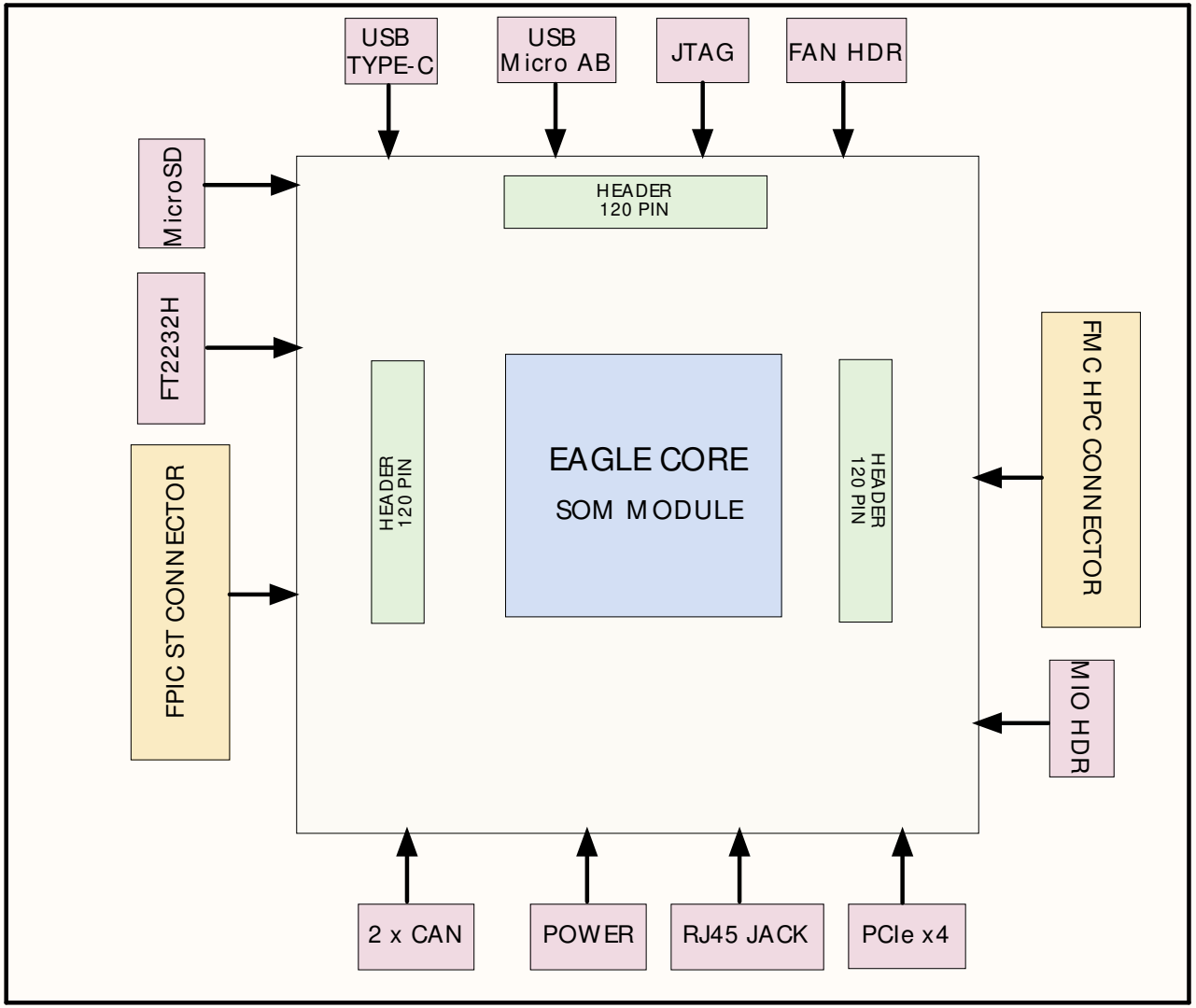
BLOCK DIAGRAM

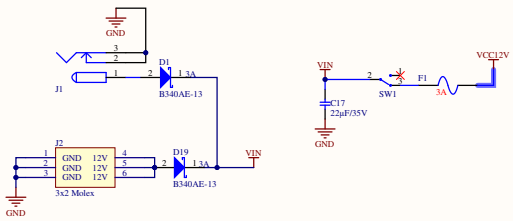
Sheet No	Contents	Sheet Name
1	Block diagram	Block diagram
2	Power Supply, Fan HDR	Power Supply
3	RJ45,CAN, SD CARD Mode sel, FPIC , VBAT RESET SW	Ethernet
4	FTDI, USB C USB MICRO AB	USB
5	IO CON, MMCX, LED	CONN
6	FMC HPC CONN	FMC CONN
7	PCIe x4, JTAG, MIO HDR	PCIe JTAG



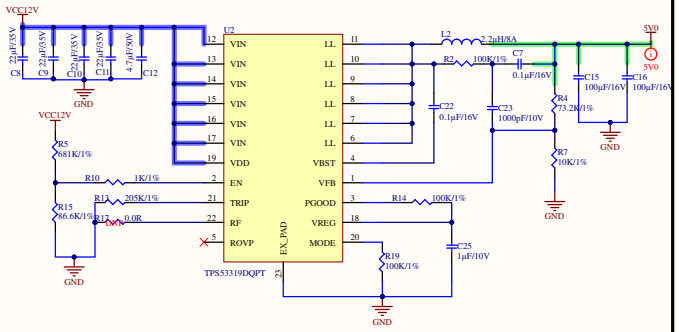


Title: Block diagram		Revision: A1	NumatoLab
Size: A3	Project: EagleCore_C02.PrjPcb		
Date: 25-03-2026	Time: 09:48:57	Sheet 1 of 7	
File: BlockDiagram.SchDoc			

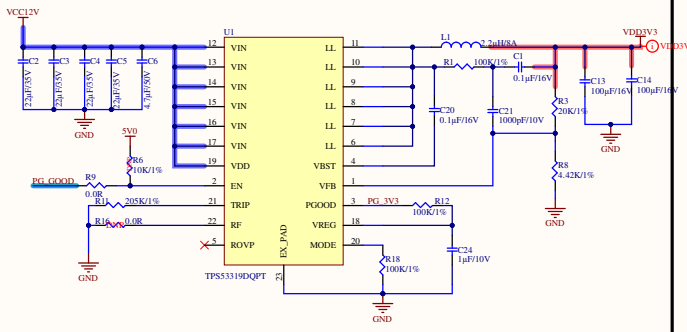
INPUT POWER 12V0



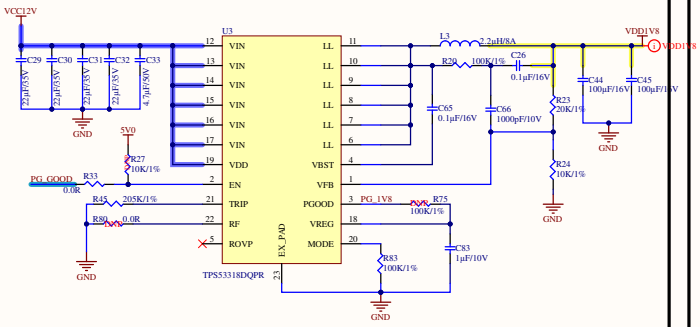
POWER 5V0



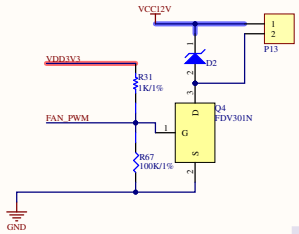
POWER 3V3



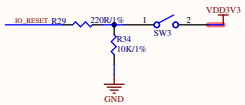
POWER VDD1V8

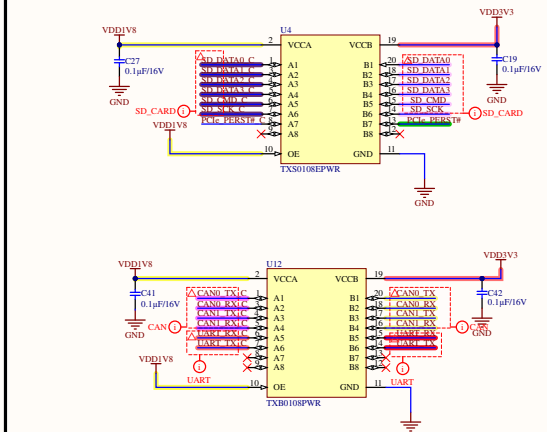


FAN HDR

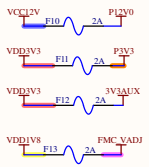


IO RESET

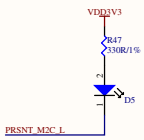




FMC INPUT FUSE



FMC PRSNT SIG



POWER OK

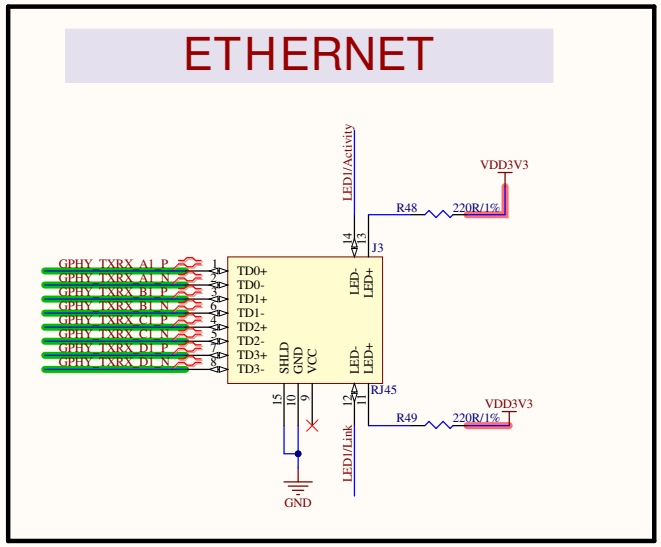
P5 FD 1mm FUDUAL

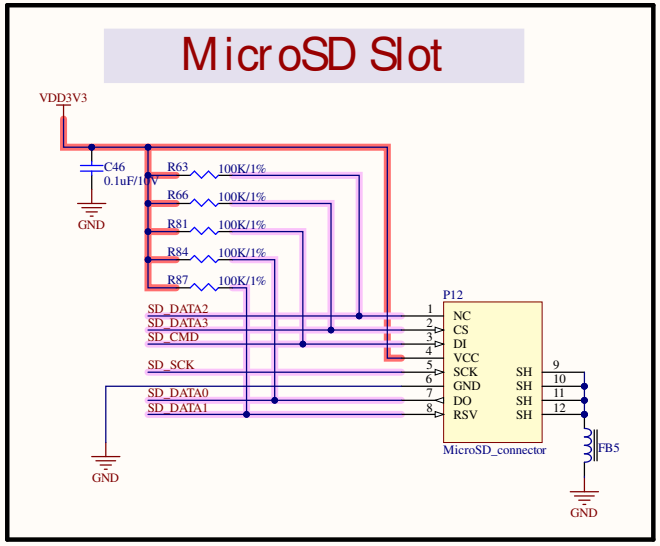
P6 FD 1mm FUDUAL

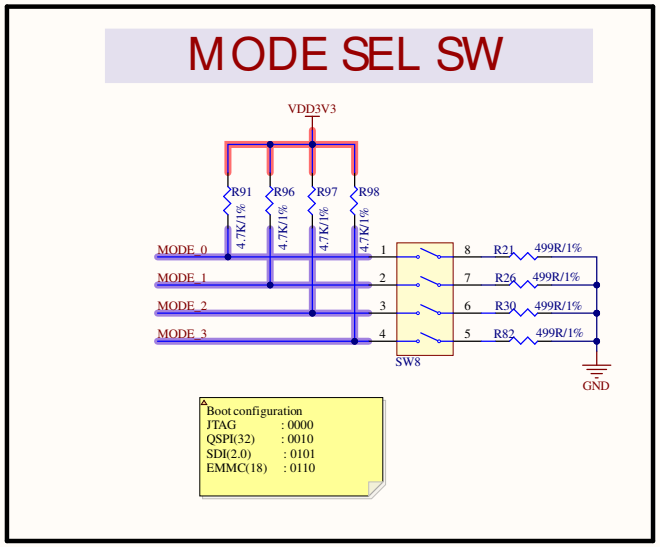
P7 FD 1mm FUDUAL

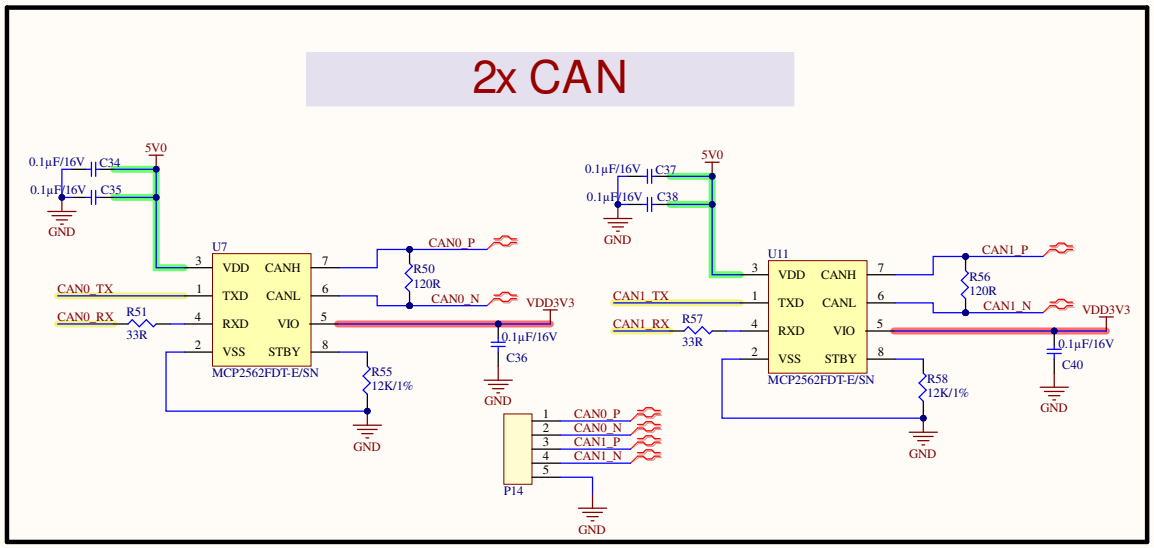
Title: Power supply		Revision: A1	
Size: A2	Project: EagleCore_C02.PrjPcb		
Date: 25-03-2026	Time: 09:48:58	Sheet 2 of 7	
File: Power supply.SchDoc			

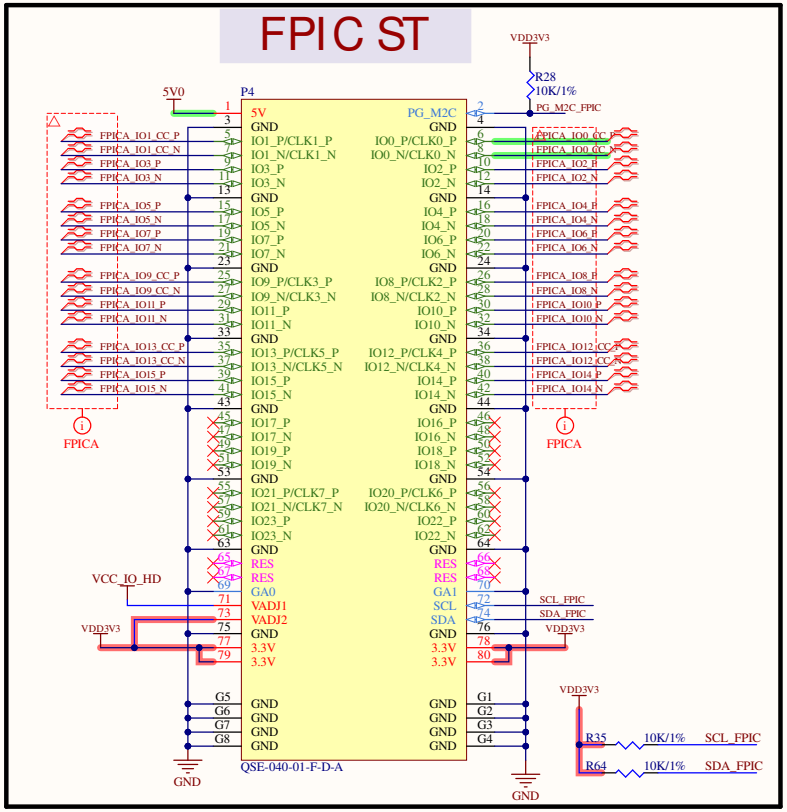
Numato Lab

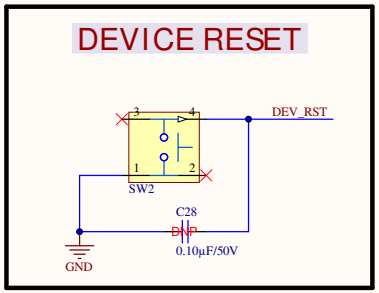


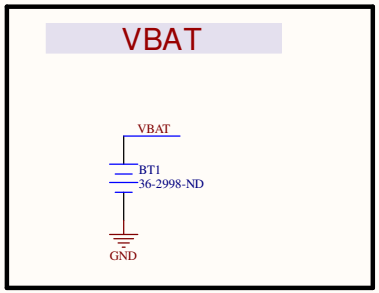


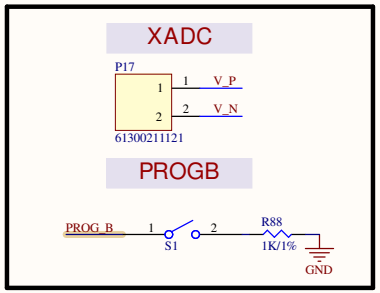








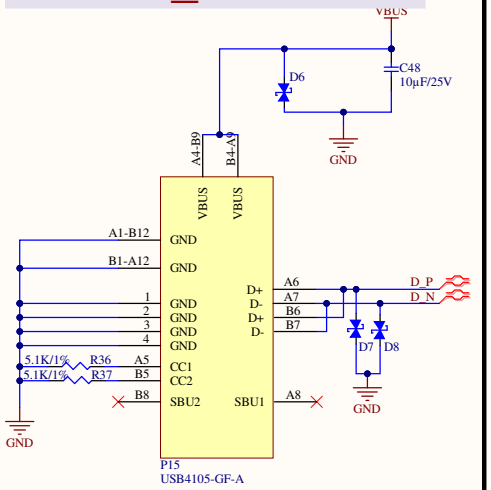




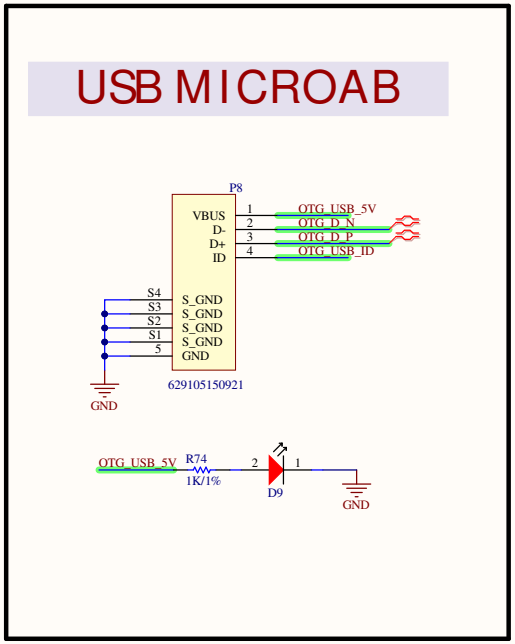
Title: Periperals		Revision: A1	
Size: A3	Project: EagleCore_C02.PrjPcb		
Date: 25-03-2026	Time: 09:48:58	Sheet 3 of 7	
File: Ethernet.SchDoc			

Numato Lab

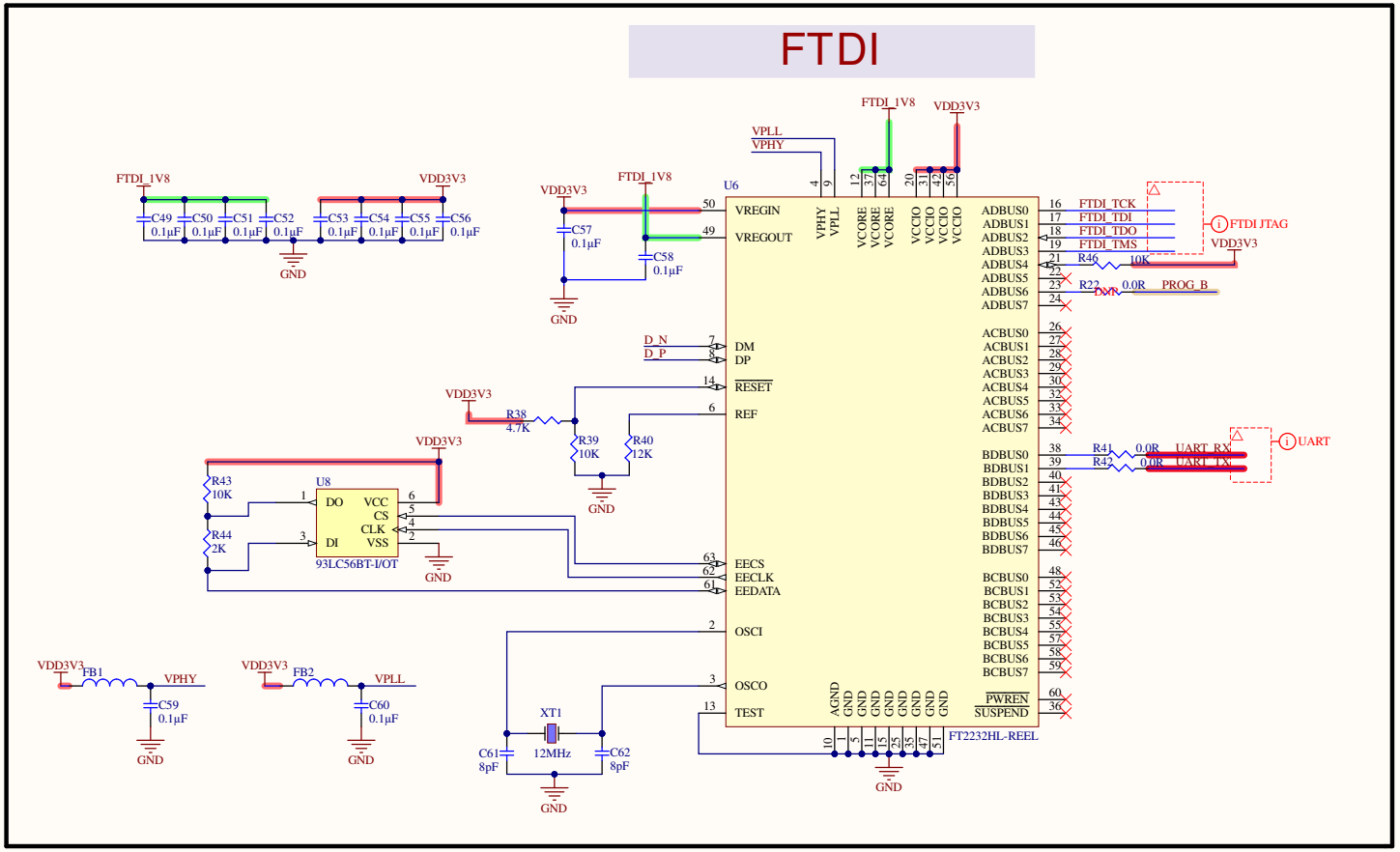
USB_TYPEC



USB MICROAB



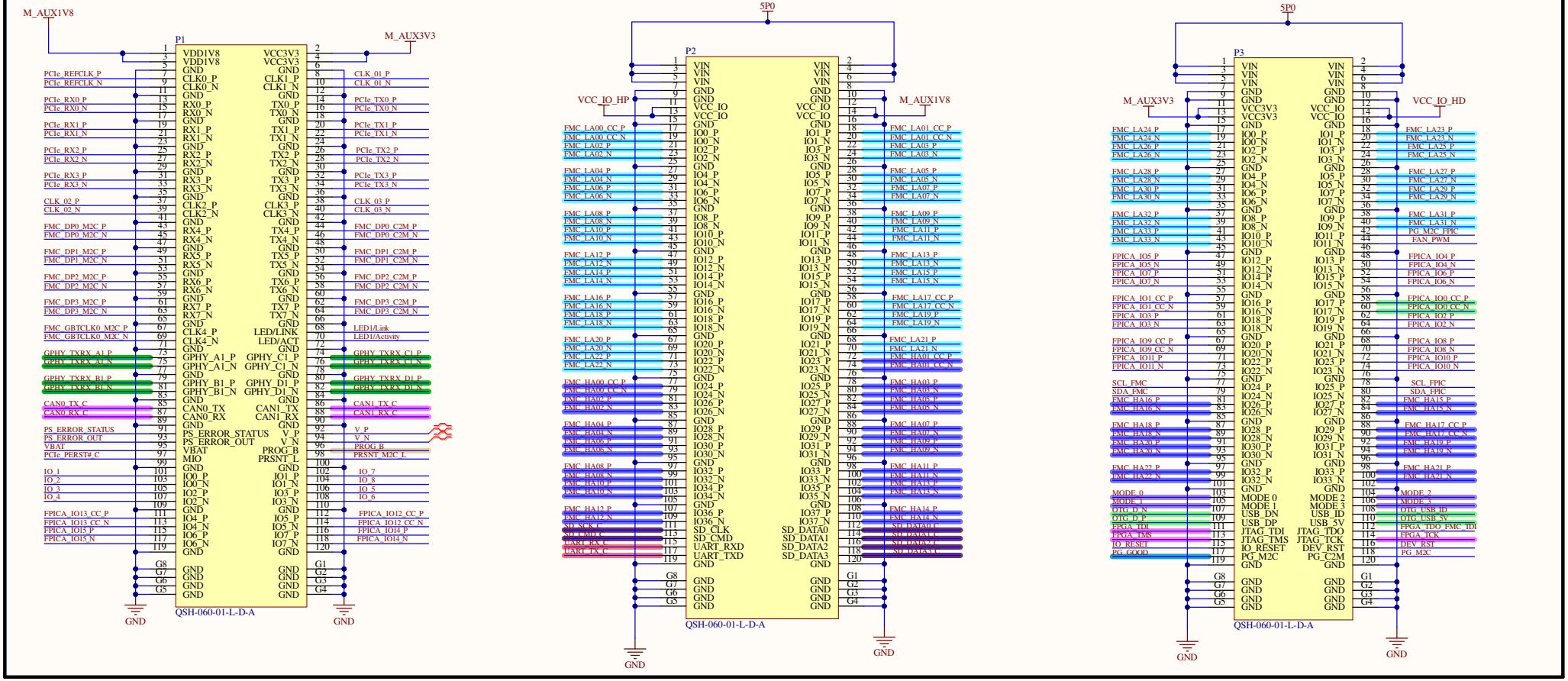
FTDI



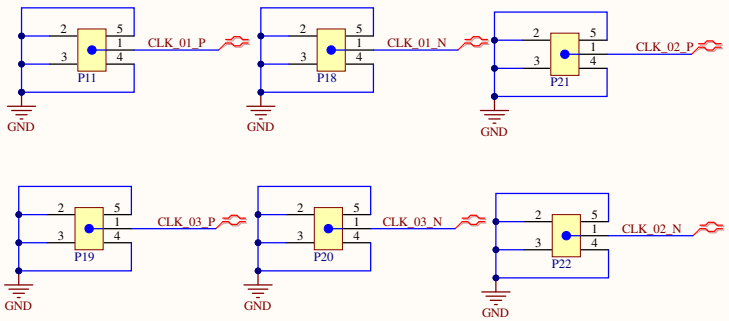
Title: USB		Revision: A1	
Size: A3	Project: EagleCore_C02.PrjPcb		
Date: 25-03-2026	Time: 09:48:58	Sheet 4 of 7	
File: USB.SchDoc			

Numato Lab

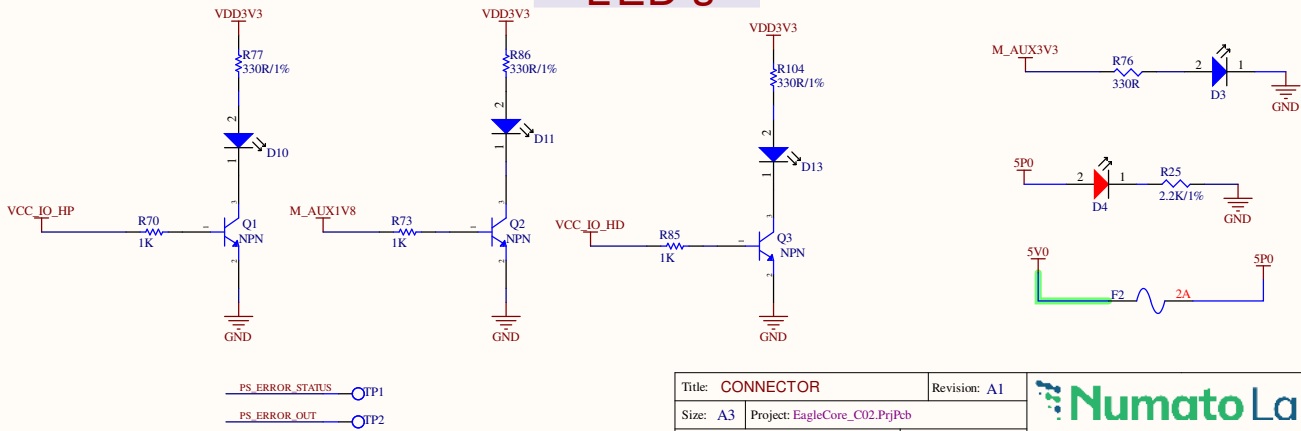
CONNECTOR



MMCX CON



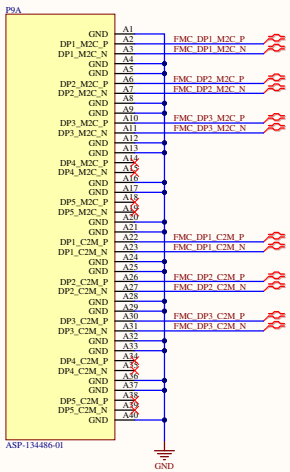
LED's

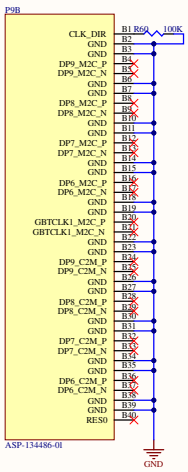


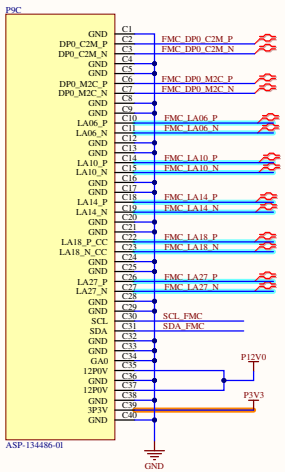
Title: CONNECTOR		Revision: A1	
Size: A3	Project: EagleCore_C02.PrjPcb		
Date: 25.03.2026	Time: 09:48:58	Sheet 5 of 7	
File: CONN.SchDoc			

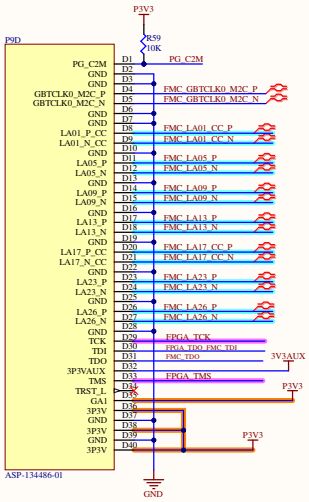
Numato Lab

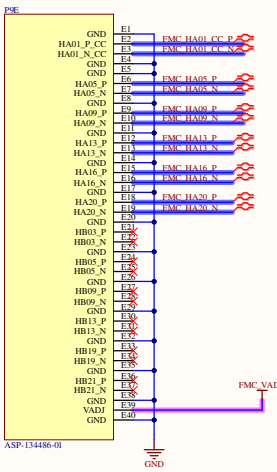
FMC HPC CON

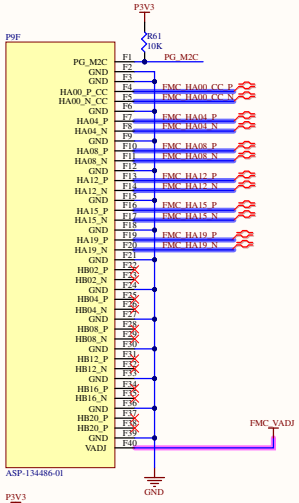


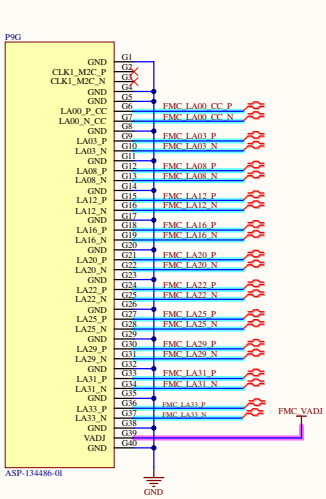


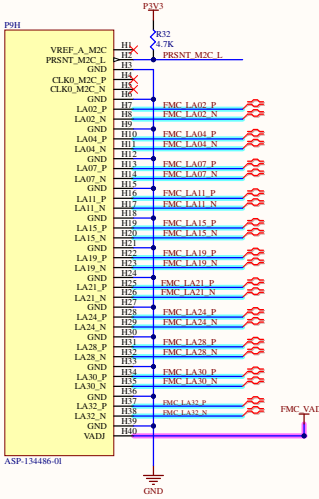


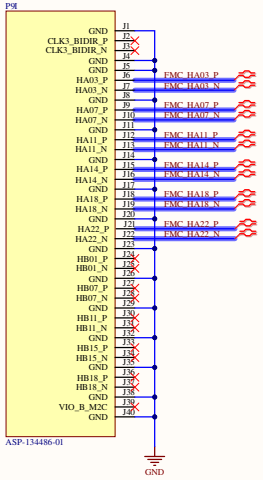


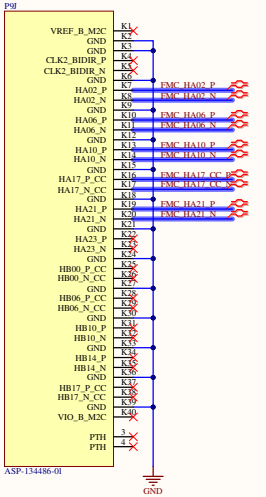




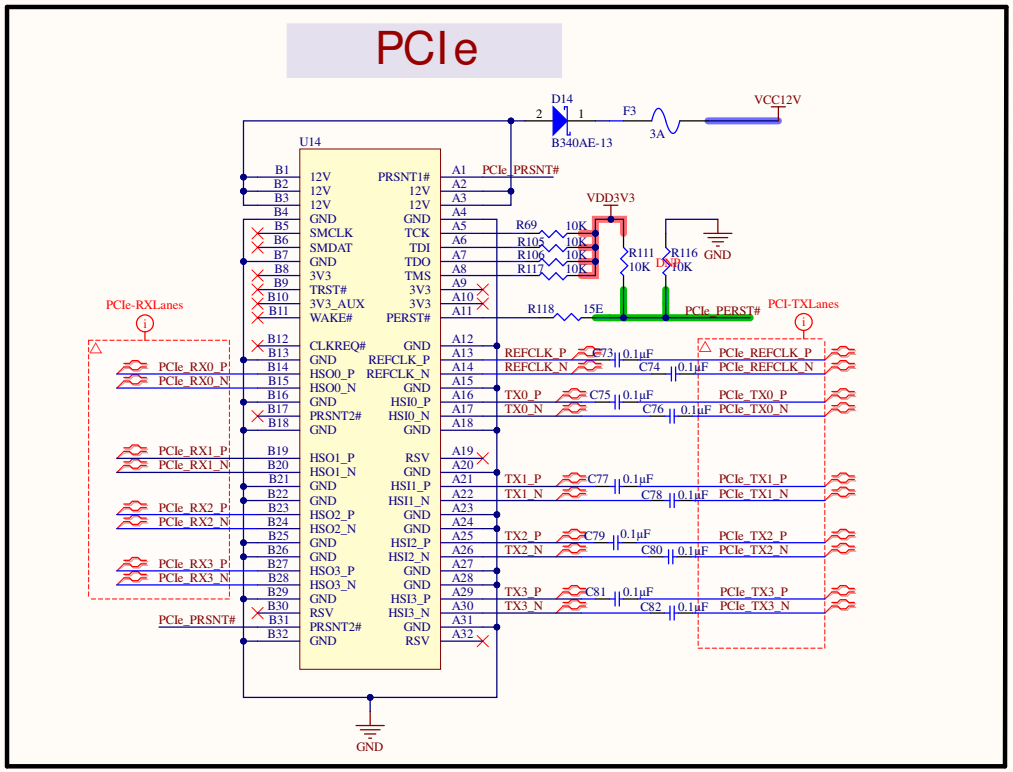


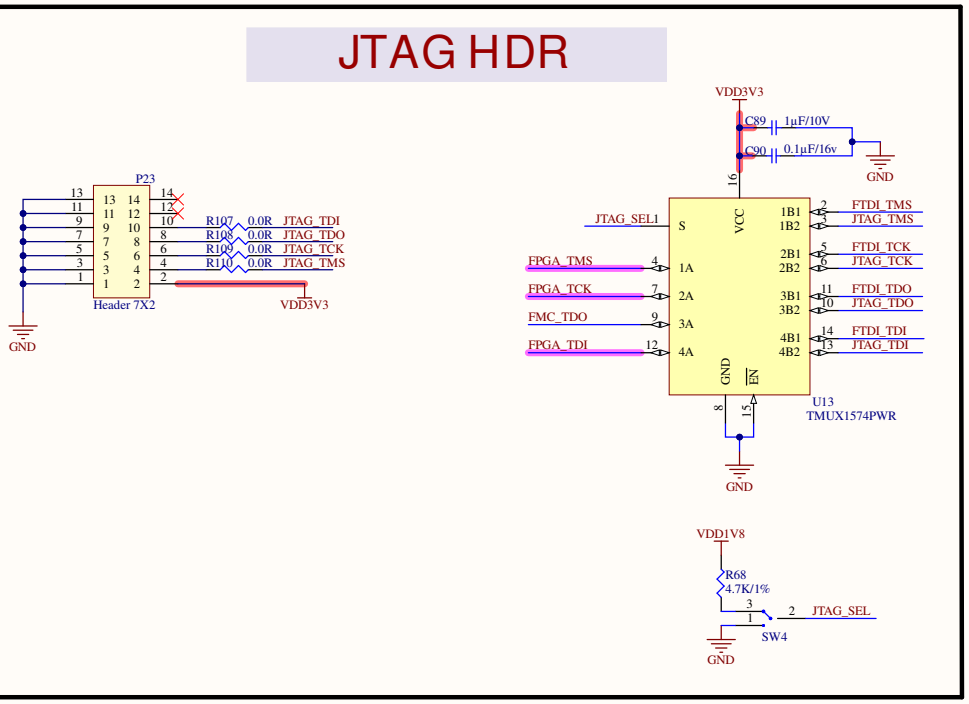


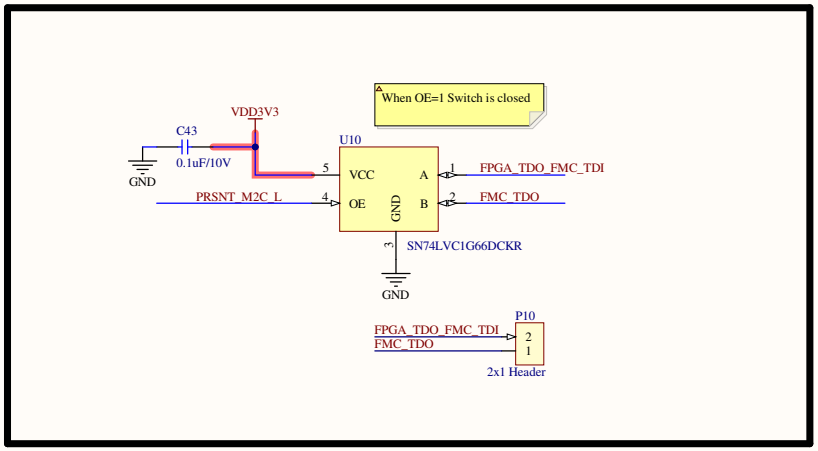


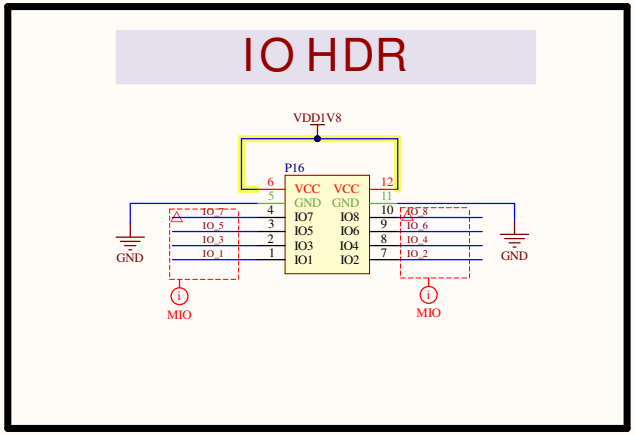


Title: FMC_CONN		Revision: A1	Numato Lab
Size: A2	Project: EagleCore_C02.PrjPcb		
Date: 25-03-2026	Time: 09:48:59	Sheet 6 of 7	
File: FMC CONN.SchDoc			









Title: JTAG		Revision: A1	Numato Lab
Size: A3	Project: EagleCore_C02.PrjPcb		
Date: 25-03-2026	Time: 09:48:59	Sheet 7 of 7	
File: PCIe & JTAG.SchDoc			