
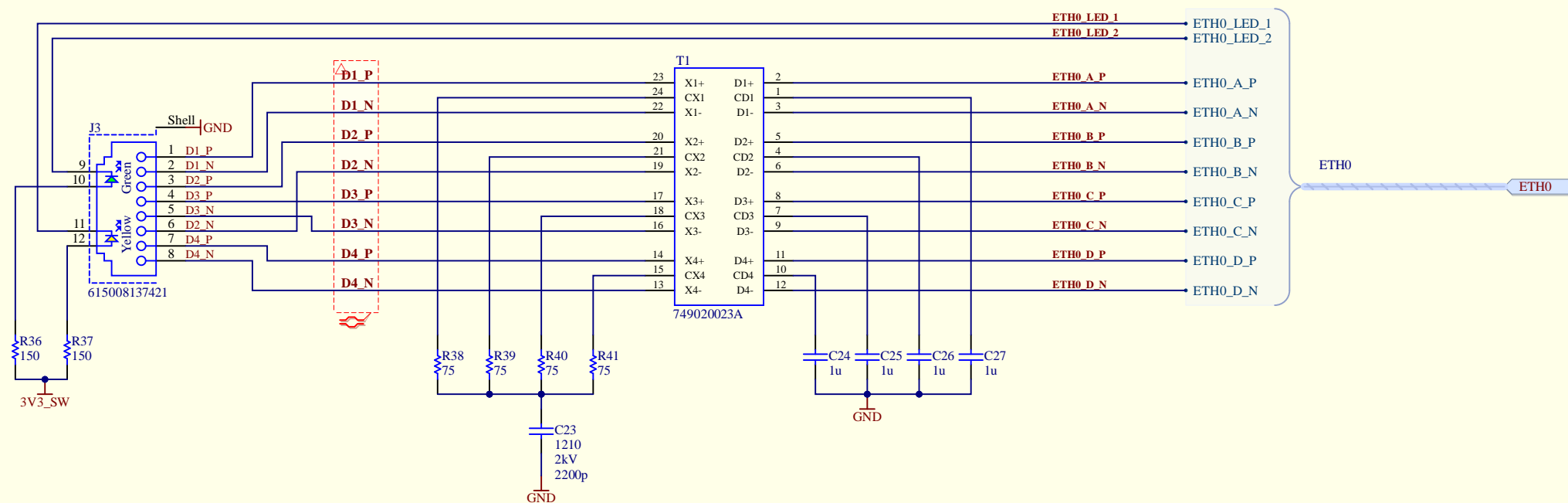
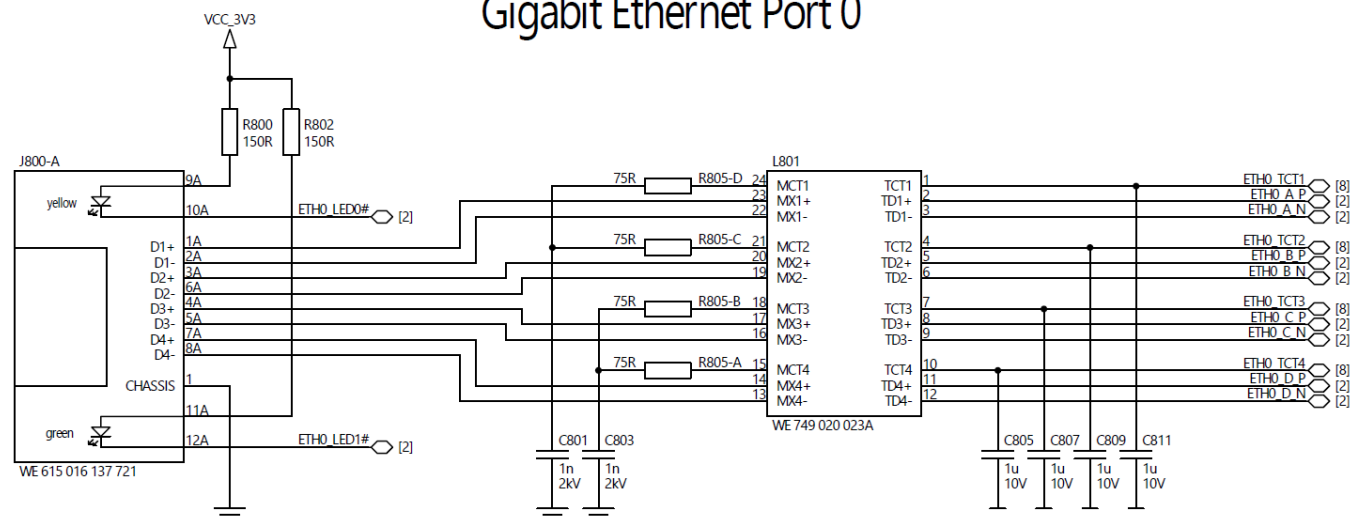



DarkSide - DataManager - SFP

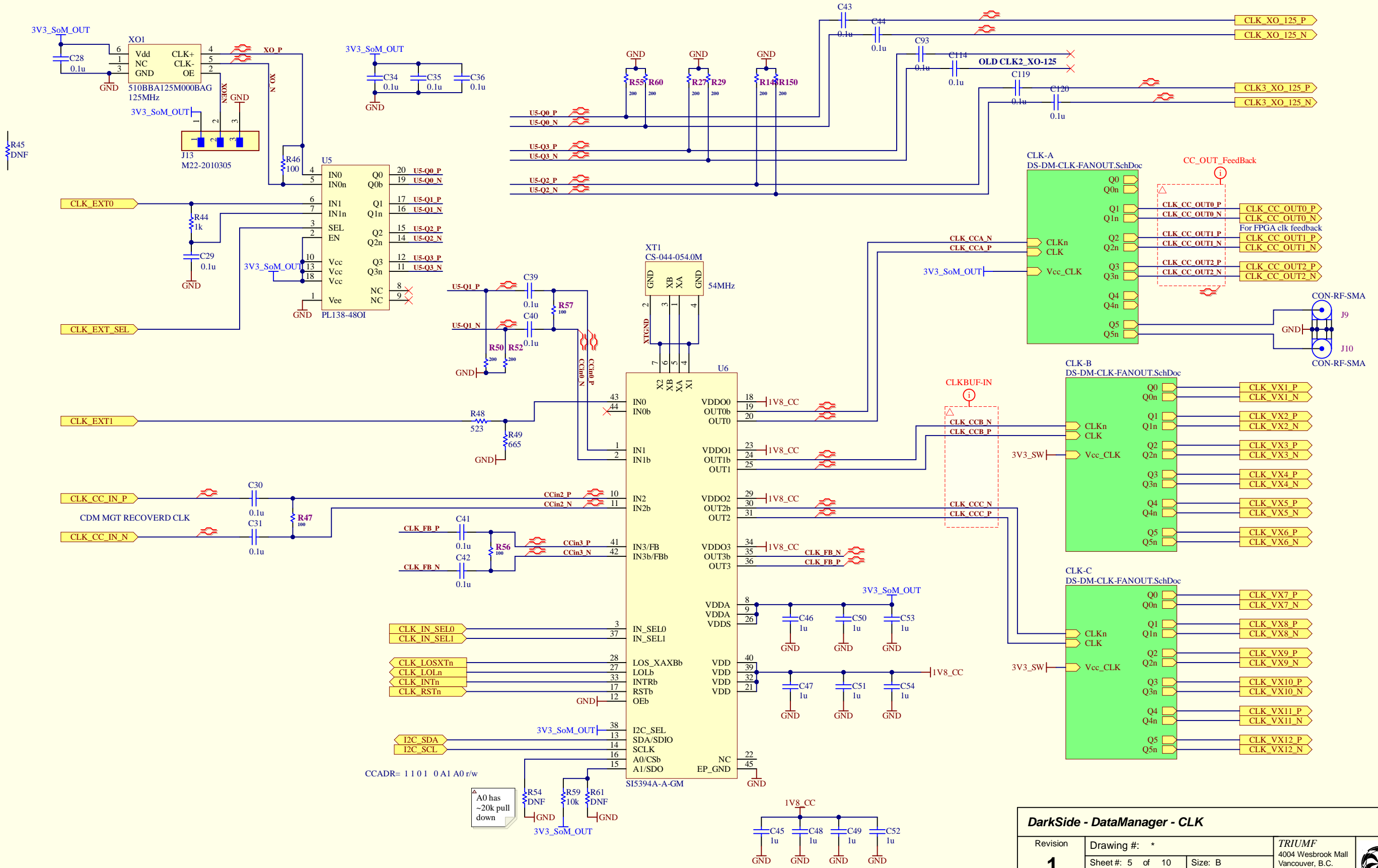
Revision	Drawing #: *		TRIUMF 4004 Wesbrook Mall Vancouver, B.C. Canada V6T 2A3	
0	Sheet #: 3 of 10	Size: A		
Drawn by: *	Date: 2024-10-30			
File: C:\Work\DarkSide 20k\rev1\DS-DM-SFP.SchDoc				12:21:07 PM

Gigabit Ethernet Port 0

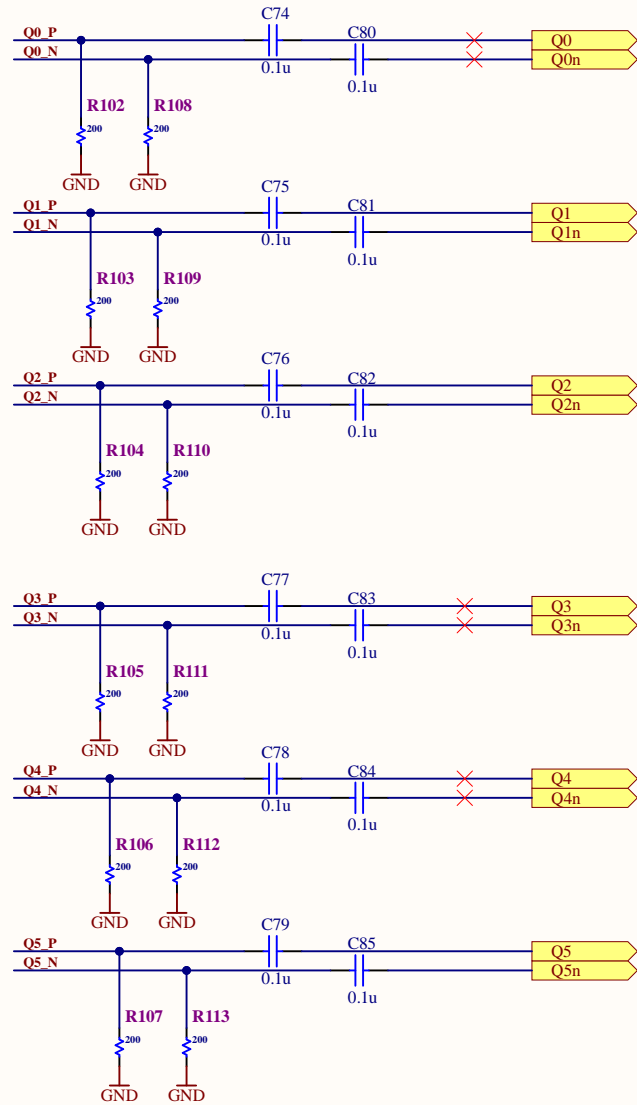
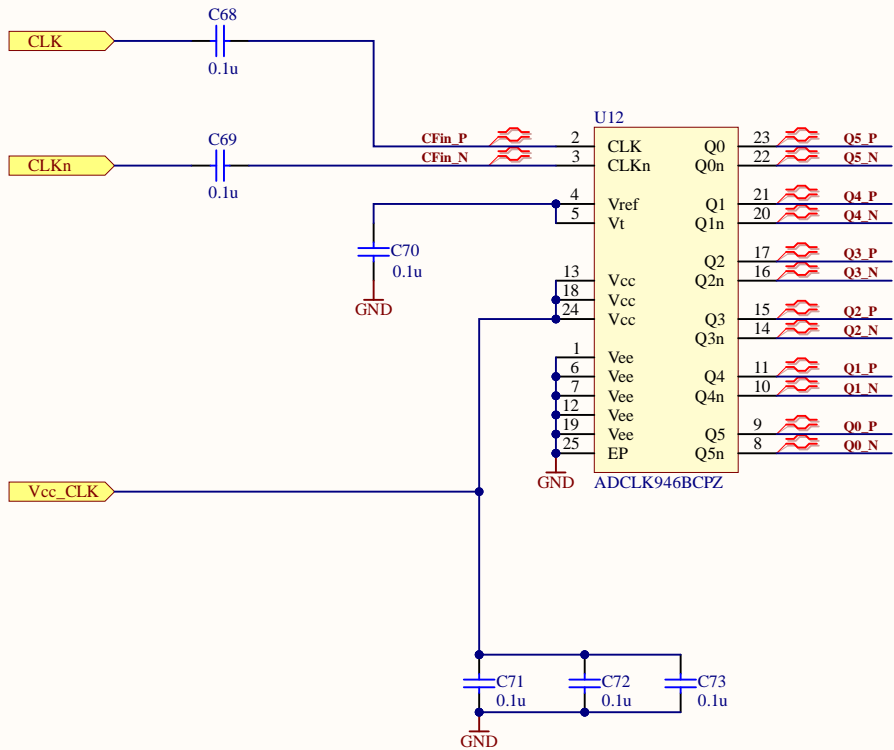


DarkSide - DataManager - Ethernet

Revision	Drawing #:	*		TRIUMF 4004 Wesbrook Mall Vancouver, B.C. Canada V6T 2A3	
1	Sheet #:	4 of 10	Size: B		
	Drawn by: *	Date: 2024-10-30			



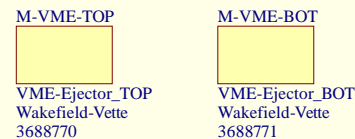
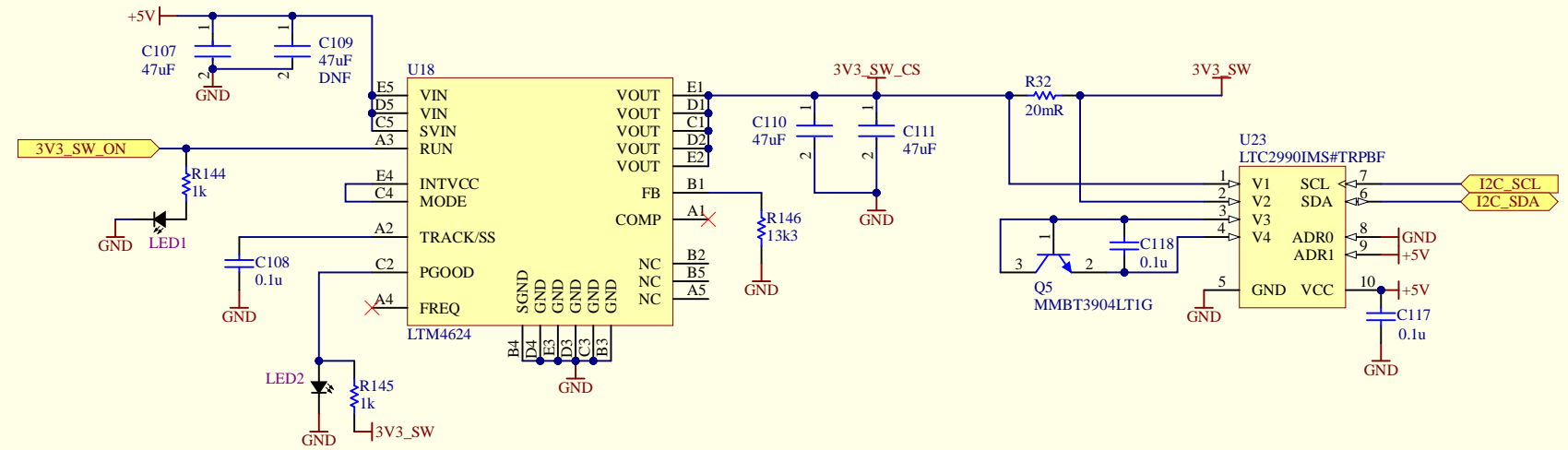
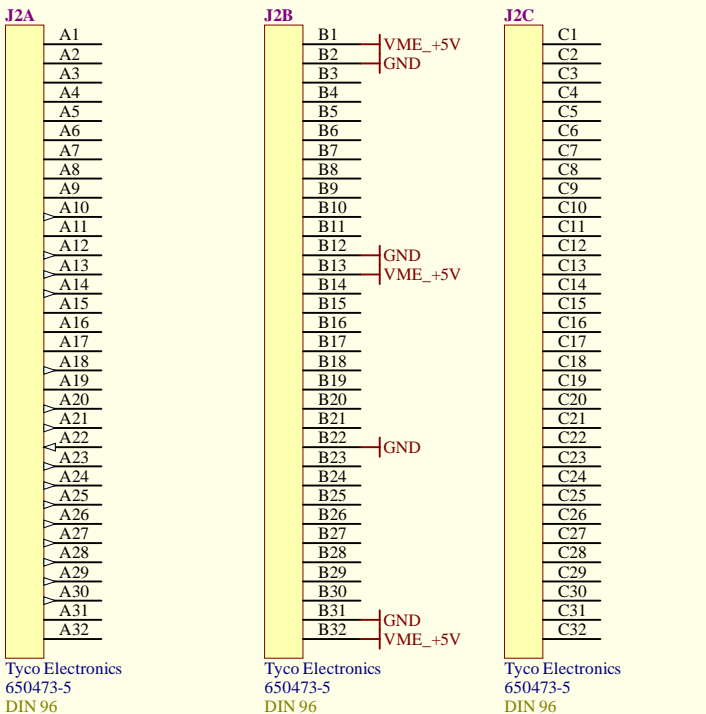
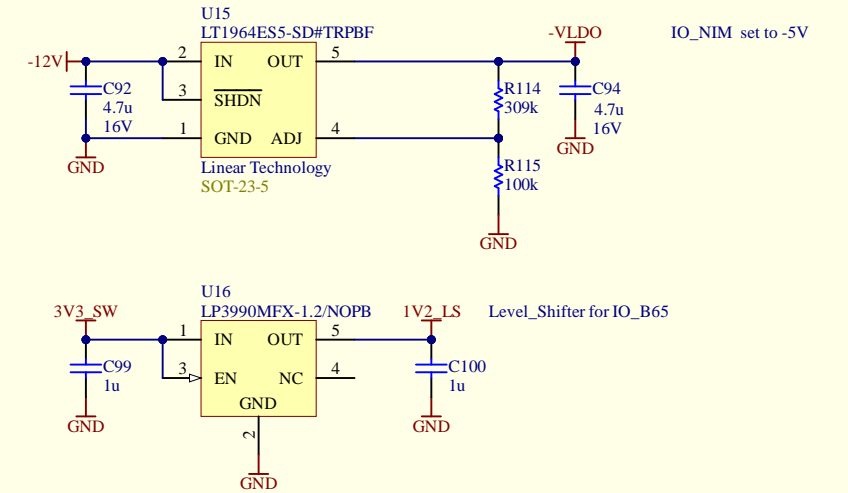
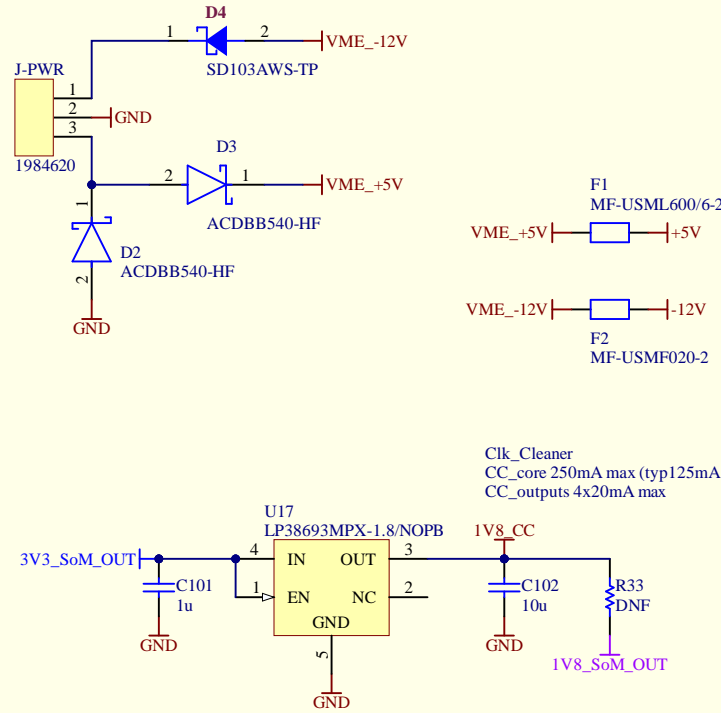
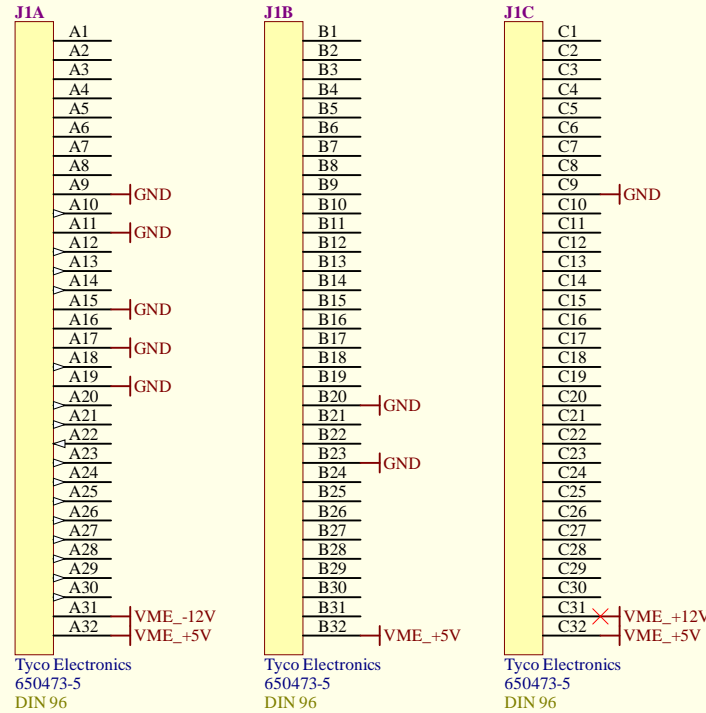
DarkSide - DataManager - CLK			
Revision	Drawing #:	*	
1	Sheet #:	5 of 10	Size: B
	Drawn by:	*	Date: 2024-10-30
			TRIUMF 4004 Wesbrook Mall Vancouver, B.C. Canada V6T 2A3



Title		
Size	Number	Revision
A4		
Date:	10-30-2024	Sheet of
File:	C:\Work\...\DS-DM-CLK-FANOUT.SchDoc	Drawn By:

Current budget 3V3_SW:

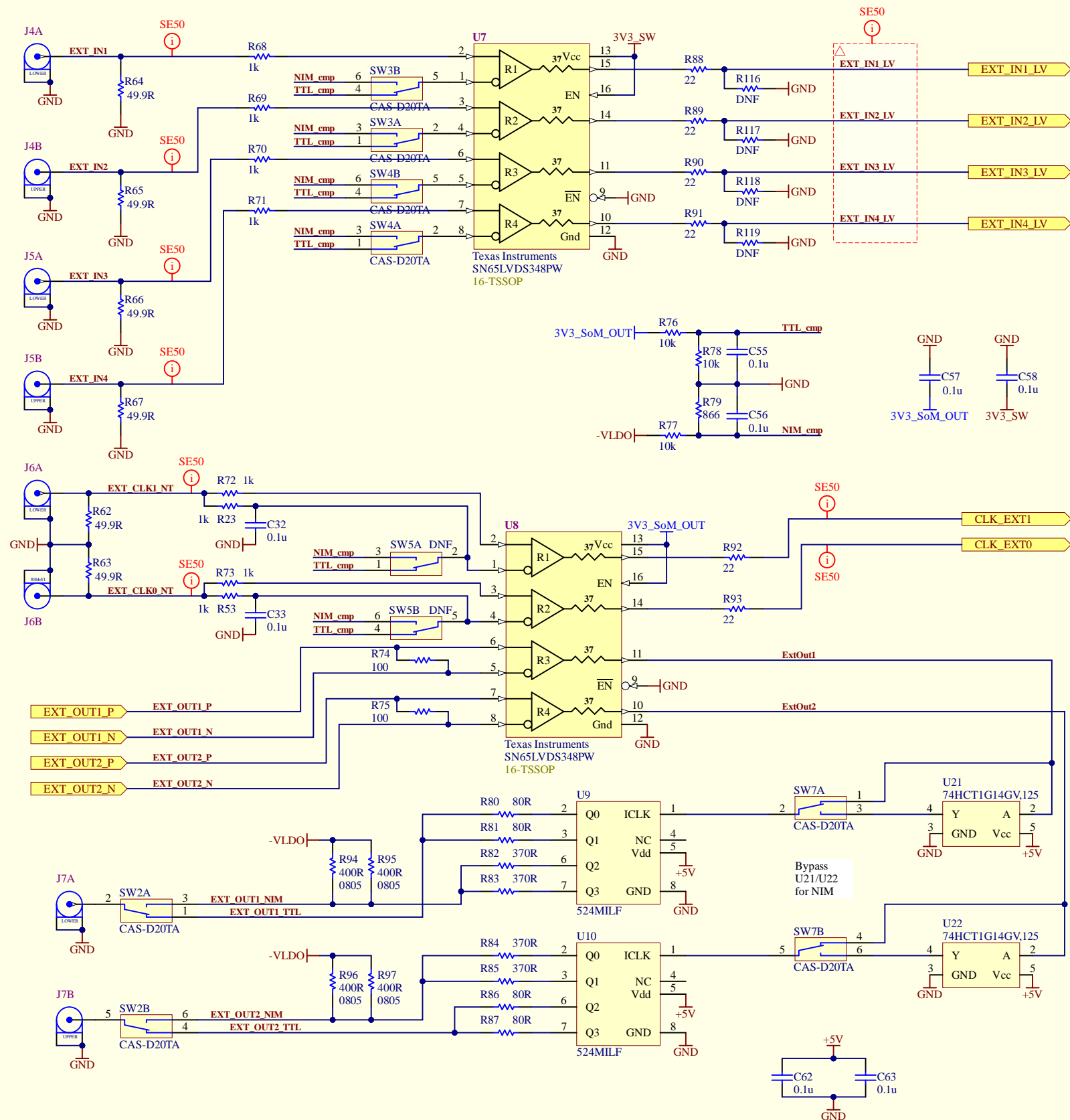
Sheet	Current mA	Notes
QSFP/SFP	1800	4x Qsfp each 1.5W (or 1xSFP)
CLK	480	clkcleaner 330mA, XO 100mA, clkbuf 50mA
CLK-FANOUT	1100	750mA = 3x clkbuf static; 18x 20mA each channel out
IO	140	20mA/buf
VX	430	RXbuf 6x22mA + TXbuf 6x50mA




DarkSide - DataManager - Power

Revision	Drawing #: *	TRIUMF 4004 Wesbrook Mall Vancouver, B.C. Canada V6T 2A3		
1	Sheet #: 7 of 10			Size: B
	Drawn by: *			Date: 2024-10-30

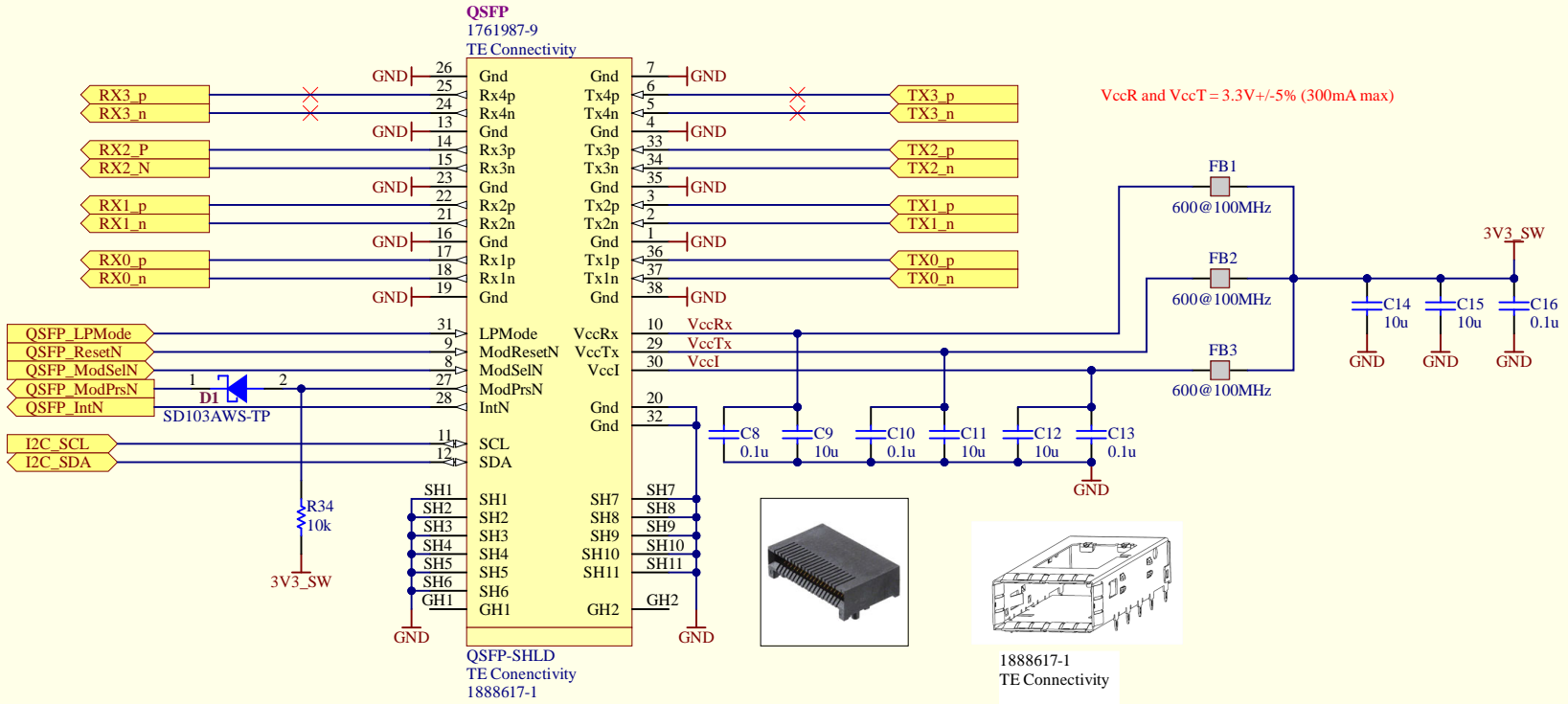
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DarkSide - DataManager - I/O

Revision	Drawing #: *	TRIUMF 4004 Wesbrook Mall Vancouver, B.C. Canada V6T 2A3	
1	Sheet #: 8 of 10	Size: B	
	Drawn by: *	Date: 2024-10-30	

File: C:\Work\DarkSide 20k\rev1\DS-DM-I/O.SchDoc 12:21:08 PM



DarkSide - DataManager - QSFP

Revision 0	Drawing #: *		TRIUMF 4004 Wesbrook Mall Vancouver, B.C. Canada V6T 2A3	
	Sheet #: 9 of 10	Size: A		
	Drawn by: *	Date: 2024-10-30		

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