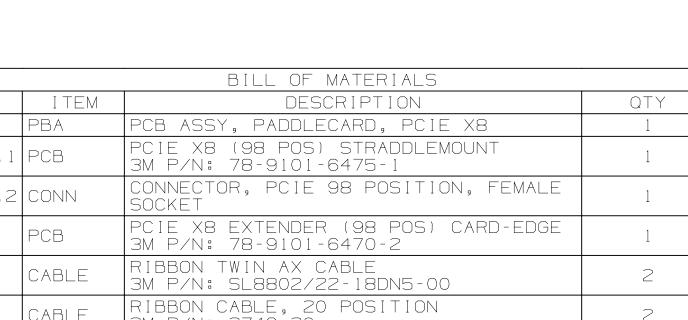
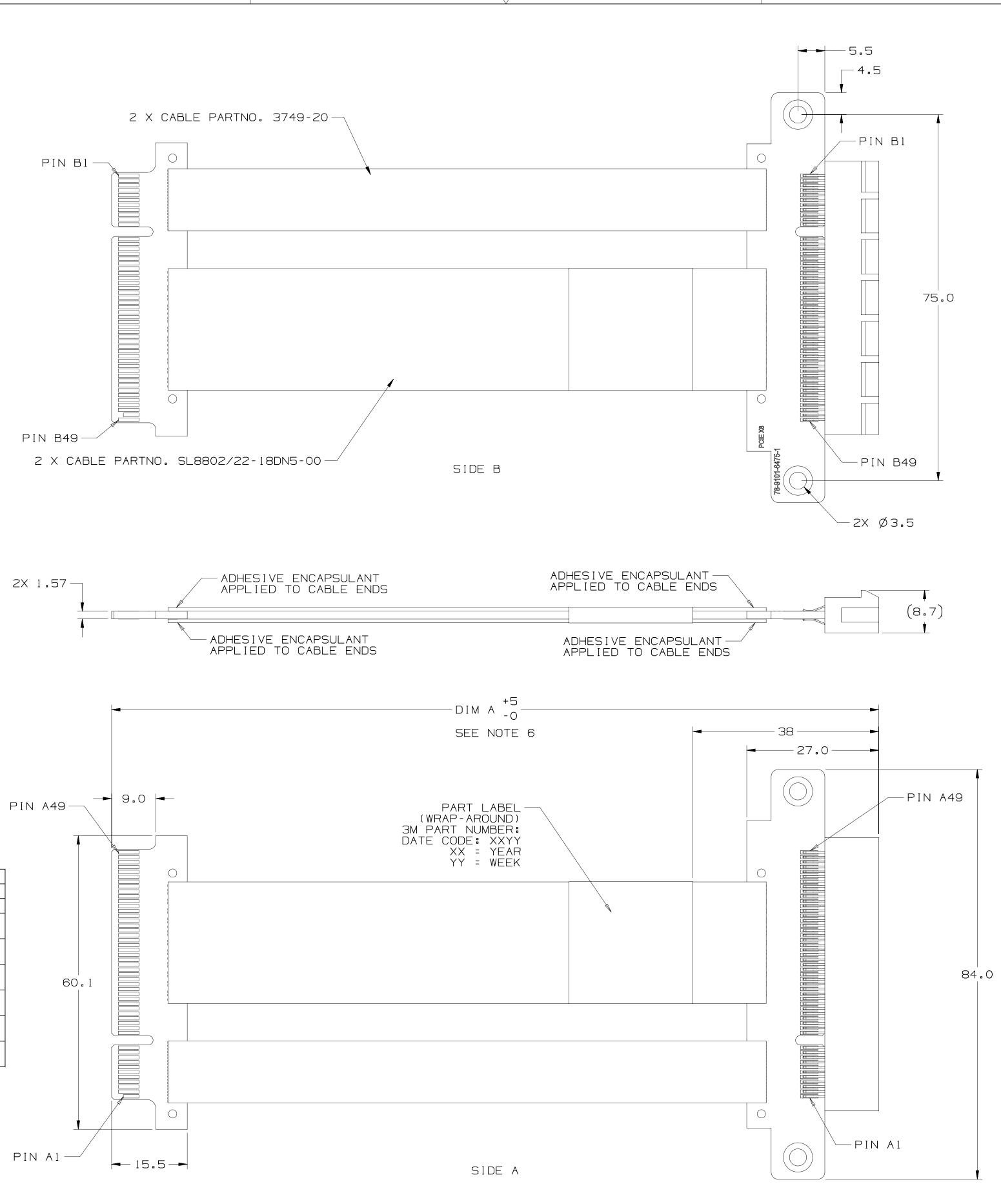
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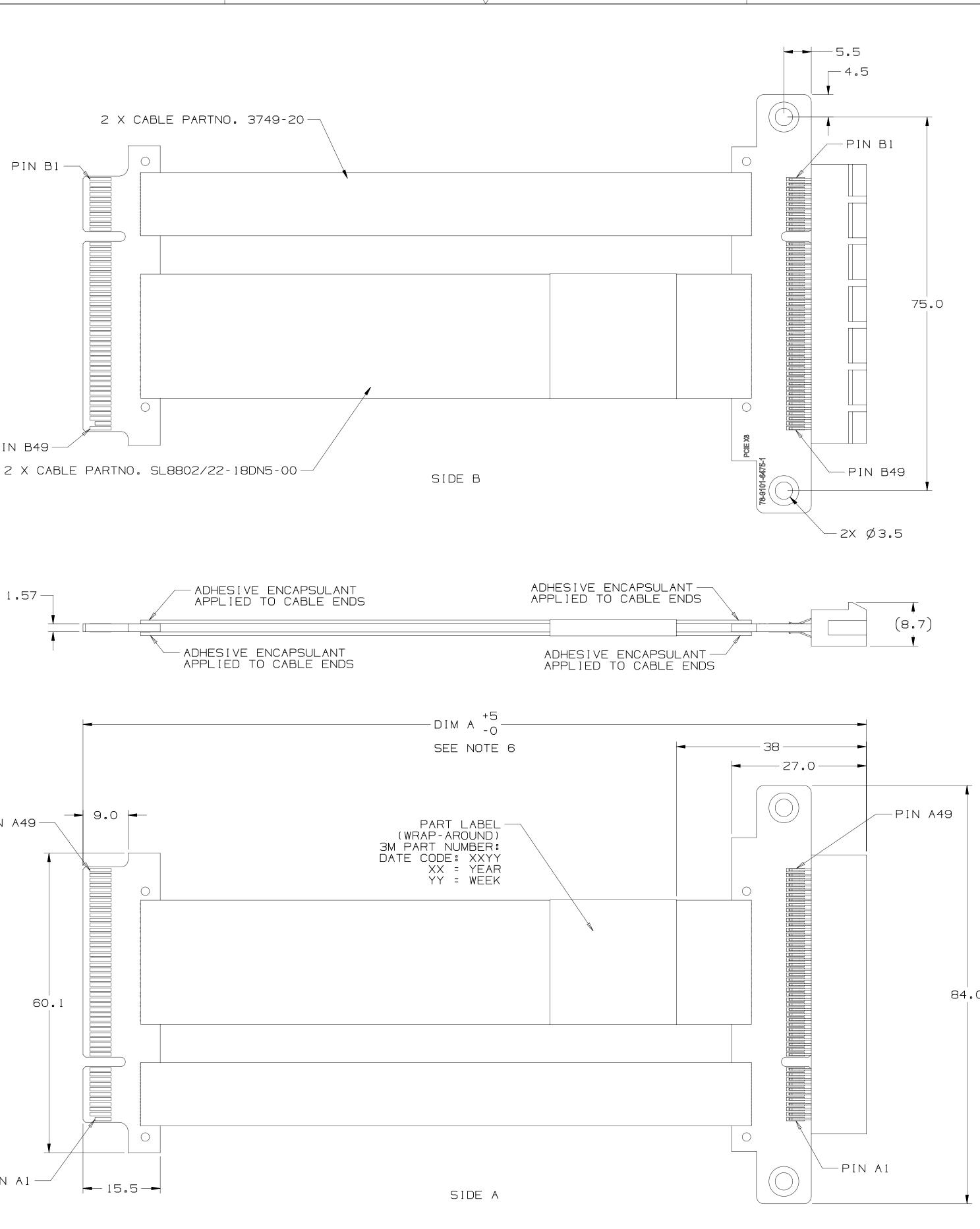
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BILL OF MATERIALS								
	I TEM DESCRIPTION							
1.0	PBA	PCB ASSY, PADDLECARD, PCIE X8	1					
1.1	РСВ	PCIE X8 (98 POS) STRADDLEMOUNT 3M P/N: 78-9101-6475-1	1					
1.2	CONN	CONNECTOR, PCIE 98 POSITION, FEMALE Socket	1					
2.0	РСВ	PCIE X8 EXTENDER (98 POS) CARD-EDGE 3M P/N: 78-9101-6470-2	1					
3.0	CABLE	RIBBON TWIN AX CABLE 3M P/N: SL8802/22-18DN5-00	2					
4.0	CABLE	RIBBON CABLE, 20 POSITION 3M P/N: 3749-20	2					
5.0	STRAIN Relief	ADHESIVE	AS REQUIRED					
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3M™ TWIN AXIAL CABLE ASSEMBLY For PCI⊖ X8 EXTENDER CARD APPLICATIONS

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	1	NOTES	
1	DIN	MENSIONS ARE IN MILLIMETERS.	
2	ЗО IMF OVE	M RIBBON TWINAX DESCRIPTION: AWG, SILVER PLATED SIGNAL WIRE PEDANCE: 85 ±5 OHM ERALL RIBBON WIDTH: 24.90 MM ERALL RIBBON THICKNESS: 0.75 MM	
Э	INF CON WWW	HS COMPLIANT. SEE REGULATORY FORMATION APPENDIX IN "ROHS MPLIANCE" SECTION AT V.3MCONNECTORS.COM & C1 APPLY)	
4	HAS EXF SHC EDC THE INS AT NEE	IS CABLE CONSTRUCTION A THIN ALUMINUM INNER LAYER POSED AT EACH EDGE. USERS OULD ASSESS WHETHER THE EXPOSED DE PRESENTS A SHORTING RISK IN EIR SPECIFIC APPLICATION. GULATING TAPE MAY BE APPLIED THE CABLE ASSEMBLY LEVEL, AS EDED, TO COVER THE EXPOSED DE IN RISK AREAS.	
5	PRC	PLICABLE SPECIFICATIONS: DDUCT SPECIFICATION NUMBER: 0106	
6		DER BY APPLICABLE 3M PART NUMBER: 12-0723-XXXX	
	×××	(X = DIM 'A' IN MILLIMETERS (1000 = 1 METER)	
	8KF	NDARD LENGTH (DIM 'A') 12-0723-0250 (250 MM) 12-0723-0500 (500 MM)	
	UPC	N-STANDARD LENGTHS AVAILABLE ON SPECIAL REQUEST. MAY REQUIRE GHER MOQS AND LONGER LEAD TIMES. O MM MINIMUM LENGTH.	\square
7	TW I PCE	AMMABILITY RATING: IN AX CABLE: UL94 HB 3S: UL94V-O HESIVE STRAIN RELIEF: UL94 HB, 3V)	
8	O.7 HAF	DDLECARD FINGER GOLD THICKNESS: 76 µm [30 µ"] MIN ELECTROLYTIC RD GOLD OVER 1.27 µm [50 µ"] N ELECTROLYTIC NICKEL.	

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					REVISED NOTE 6				
			В	40306	JUN 18	3,2012	LDS	TS	
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					ORIENTATION; REVISED NOTE ORIENTATION				
			A		MAR OE	3,2012	ARM	TS	
_		ASSEMBLY	REV	ECO	ISSUE DATE AN	ND DESCRIPTION	DRFT	СНКД	
	DISTRIBUTION CODES			CHMIDT	MAR 08,2012	MFG	DATE		
			снкр		DATE	APPVL	DATE		А
[DIVISION DIVISION CODE			© 3M COPYRIGHT 2012					
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	$\begin{array}{c c} \hline \\ \hline $.0 .00			-0723->	XXXX, C	ABI		
	THIRD ANGLE PROJECTION	.000 ±	A	SSY	, PCIE	X8 BY	PC	ΙE	
	INTERPRET PER ASME Y14.5 - 1994	MILLIMETERS 0 ± 1			X8 FX	IENDER			
	MAX SURFACE ROUGHNESS 125 / \Box All Surfaces	.0 ±.5 .00 ±.05 .000 ±.005		IBER SIZE	drawing no. 78-510(0-2511-	3	REV.	
	MARKED ONLY	ANGLES ±1 °	MODI	EL		ET. Ists □yes⊠no S	SHT 1	OF 2	
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	3M 3749-20 Cable							3M 3749-20 Cab	
Wire #								Pin Attachment #	Wire
01	Ground Layer							Ground Layer	01
02	B01 - B02							A01	02
03	B01 - B02							Ground Layer	03
04	B01 - B02			PCI-Express	X8 Pin-Out			A02 - A03	04
05	B01 - B02	\neg	Pin #	Side B Description	Side A Description	Pin #		A02 - A03	05
06	B01 - B02	\neg			Hot plug presence		1 /	A02 - A03	06
07	B01 - B02	_	BO 1	+12 volt power	detect	AO 1			07
		_	B02	+12 volt power	+12 volt power	A02		A02 - A03	
08	Ground Layer		B03	+12 volt power	+12 volt power	EOA		Ground Layer	08
09	B05		B04	Ground	Ground	A04	_	A05	09
10	B06		B05	SMBus clock	ТСК	A05	_	A06	10
	Ground Layer		B06	SMBus data	TDI	A06		A07	
12	B08		В07	Ground	ТДО	A07		A08	12
13	B08	E	B08	+3.3 volt power	TMS	A08	-	Ground Layer	13
14	B09		B09	+TRST#	+3.3 volt power	A09		A09 - A10	14
15	B10		>B10	3.3v volt power	+3.3 volt power	A10		A09 - A10	15
16	B10		B11	Link Reactivation	Power Good	A 1 1	-	A09 - A10	16
17	Ground Layer			Mechani		1,,,,,,	1 [∞]	A09 - A10	17
18	B11		B 12	Reserved	Ground	A12	1	Ground Layer	18
19	Ground Layer		B13	Ground	Reference Clock	A13	1	Ground Layer	19
20	B12		B14	Transmitter Lane 0,	Differential pair	A14	-	A 1 1	20
		,	B15	Differential pair	Ground	A15	-		
	3M SL8802 Cable	\neg	B16	Ground	Receiver Lane 0,	A16	_	3M SL8802 Cab	
Wire #			B17	Hotplug detect	Differential pair	A17		Pin Attachment #	Wire
GND	Ground Layer			Ground	Ground	A18	-	Ground Layer	GND
pr_01	B14	-	B18				-	A13	pr_01
pr_01 pr_01	B15		B19	Transmitter Lane 1,	Reserved	A19	-	A14	pr_01
pr_01 pr_02	B17	- /	B20	Differential pair	Ground	A20	-	A16	pr02
pr_02 pr_02	Ground Layer		B21	Ground	Receiver Lane 1,	A21		A17	pr02
	B19	-	B22	Ground	Differential pair	A22			
pr_03	B20		B23	Transmitter Lane 2,	Ground	A23		Ground Layer	03
<u>pr_03</u>	B23	_	B24	Differential pair	Ground	A24	-	A19	pr_03
<u>pr_04</u>	B24		B25	Ground	Receiver Lane 2,	A25		A21	pr_04
pr_04			B26	Ground	Differential pair	A26		A22	pr_04
GND	Ground Layer	E	B27	Transmitter Lane 3,	Ground	A27		Ground Layer	GND
<u>pr_05</u>	B27		B28	Differential pair	Ground	A28		A25	pr05
<u>pr_05</u>	B28		B29	Ground	Receiver Lane 3,	A29		A26	05
pr_06	B30		B30	Reserved	Differential pair	0EA		A29	06
pr_06	B31		B31	Hot plug detect	Ground	A31	_	A30	pr06
pr_07	B33		B32	Ground	Reserved	A32	_	A32	07
pr_07	B34		B33	Transmitter Lane 4,	Reserved	A33	4	A33	pr_07
GND	Ground Layer		B34	Differential pair	Ground	A34	4	Ground Layer	GND
pr_08	B37	\rightarrow	B35	Ground	Receiver Lane 4,	A35		A35	08
pr_08	B38		B36	Ground	Differential pair	A36	4	A36	pr_08
pr_09	B41		B37	Transmitter Lane 5,	Ground	A37		A39	pr09
pr_09	B42		B38	Differential pair	Ground	A38		A40	09
or_10	B45	$ \rightarrow $	B39	Ground	Receiver Lane 5,	A39		A43	pr_10
pr_10	846		B40	Ground	Differential pair	A40		A44	pr_10
or_11	B48		B41	Transmitter Lane 6,	Ground	A41		A47	pr_11
or_11	Ground Layer		B42	Differential pair	Ground	A42		A48	pr1
GND	Ground Layer		B43	Ground	Receiver Lane 6,	A43		Ground Layer	GND
			B44	Ground	Differential pair	A44	7 /		
			B45	Transmitter Lane 7,	Ground	A45	7 /		
			B46	Differential pair	Ground	A46	1 /		
			B47	Ground	Receiver Lane 7,	A47			
			B48	Hot plug detect	Differential pair	A48			
			B49	Ground	Ground	A49	-		

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3M 3749-20 Cab Pin Attachment #	Wire #
Ground Layer	01
AO 1	02
Ground Layer	03
A02 - A03	04
A02 - A03	05
A02 - A03	06
A02 - A03	07
Ground Layer	08
A05	09
A06	10
A07	1 1
808	12
Ground Layer	13
A09 - A10	14
A09 - A10	15
A09 - A10	16
A09 - A10	17
Ground Layer	18
Ground Layer	19
A 1 1	20

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