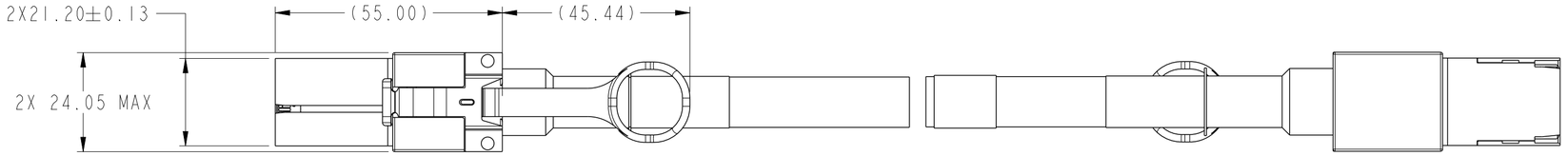
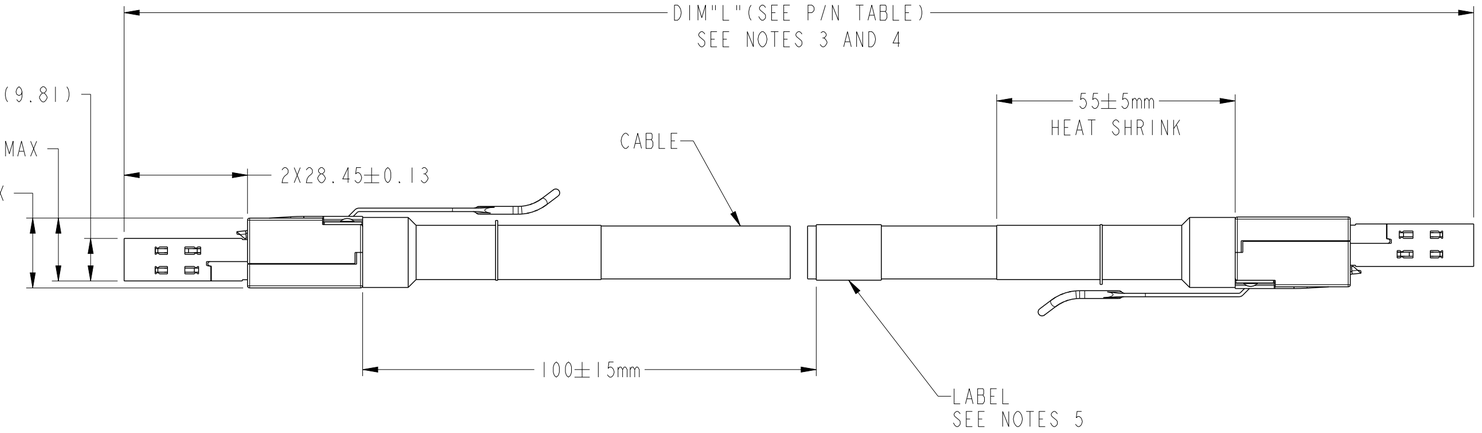
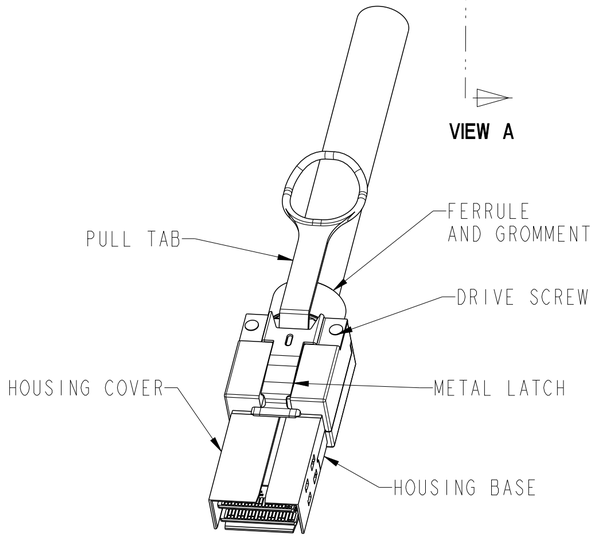


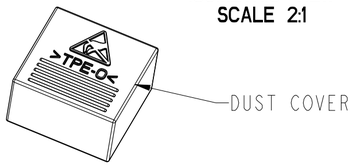
END P1
CABLE CONNECTOR
CXP (PASSIVE) PLUG

END P2
CABLE CONNECTOR
CXP (PASSIVE) PLUG





P1
ISOMETRIC VIEW
SCALE 2:1



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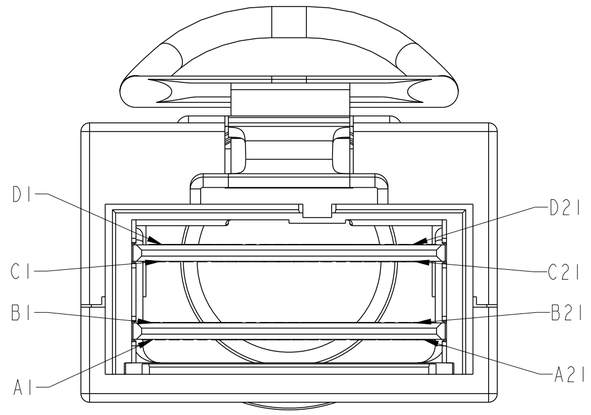
spec ref	-			dr	Deborah Ingram	2011/04/15	projection	MM	size A2 / scale 1:2
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Ya Li	2015/08/05			ecn no ELX-N-21586-1
				chr	-	-			
				appr	Frank Mao	2015/08/05	product family -		rel level **Released**
surface - ASME Y14.5	linear	0.X	±Y	FCI www.fci.com	title	FINAL ASSEMBLY - STANDARD CXP PASSIVE CABLE ASSEMBLY		dwg no 10116951	rev C
		0.XX	±Y						
		0.XXX	±Y						
	angular	0°	±Y°		cat. no. -		Product - Customer Drw		sheet 1 of 3



VIEW A-A
PIN ASSIGNMENTS
SCALE 4:1

P1					P2		
PIN	F	SIGNAL	TYPE		PIN	F	SIGNAL
B1	L	GND	C	C	D1	L	GND
B2	S	Tx0p	----▷		D2	S	Rx0p
B3	S	Tx0n	----▷		D3	S	Rx0n
B4	L	GND	C	C	D4	L	GND
B5	S	Tx2p	----▷		D5	S	Rx2p
B6	S	Tx2n	----▷		D6	S	Rx2n
B7	L	GND	C	C	D7	L	GND
B8	S	Tx4p	----▷		D8	S	Rx4p
B9	S	Tx4n	----▷		D9	S	Rx4n
B10	L	GND	C	C	D10	L	GND
B11	S	Tx6p	----▷		D11	S	Rx6p
B12	S	Tx6n	----▷		D12	S	Rx6n
B13	L	GND	C	C	D13	L	GND
B14	S	Tx8p	----▷		D14	S	Rx8p
B15	S	Tx8n	----▷		D15	S	Rx8n
B16	L	GND	C	C	D16	L	GND
B17	S	Tx10p	----▷		D17	S	Rx10p
B18	S	Tx10n	----▷		D18	S	Rx10n
B19	L	GND	C	C	D19	L	GND
B20	S	VCC3.3-Tx	□	□	D20	M	VCC3.3-Rx
B21	S	VCC12-Tx	□	□	D21	M	VCC12-Rx
A1	L	GND	C	C	C1	L	GND
A2	S	Tx1p	----▷		C2	S	Rx1p
A3	S	Tx1n	----▷		C3	S	Rx1n
A4	L	GND	C	C	C4	L	GND
A5	S	Tx3p	----▷		C5	S	Rx3p
A6	S	Tx3n	----▷		C6	S	Rx3n
A7	L	GND	C	C	C7	L	GND
A8	S	Tx5p	----▷		C8	S	Rx5p
A9	S	Tx5n	----▷		C9	S	Rx5n
A10	L	GND	C	C	C10	L	GND
A11	S	Tx7p	----▷		C11	S	Rx7p
A12	S	Tx7n	----▷		C12	S	Rx7n
A13	L	GND	C	C	C13	L	GND
A14	S	Tx9p	----▷		C14	S	Rx9p
A15	S	Tx9n	----▷		C15	S	Rx9n
A16	L	GND	C	C	C16	L	GND
A17	S	Tx11p	----▷		C17	S	Rx11p
A18	S	Tx11n	----▷		C18	S	Rx11n
A19	L	GND	C	C	C19	L	GND
A20	S	SCL	□	□	C20	S	PRSNT_L
A21	S	SDA	□	□	C21	S	Int_L/Reset_L

P1					P2		
PIN	F	SIGNAL	TYPE		PIN	F	SIGNAL
C1	L	GND	C	C	A1	L	GND
C2	S	Rx1p	◁----		A2	S	Tx1p
C3	S	Rx1n	◁----		A3	S	Tx1n
C4	L	GND	C	C	A4	L	GND
C5	S	Rx3p	◁----		A5	S	Tx3p
C6	S	Rx3n	◁----		A6	S	Tx3n
C7	L	GND	C	C	A7	L	GND
C8	S	Rx5p	◁----		A8	S	Tx5p
C9	S	Rx5n	◁----		A9	S	Tx5n
C10	L	GND	C	C	A10	L	GND
C11	S	Rx7p	◁----		A11	S	Tx7p
C12	S	Rx7n	◁----		A12	S	Tx7n
C13	L	GND	C	C	A13	L	GND
C14	S	Rx9p	◁----		A14	S	Tx9p
C15	S	Rx9n	◁----		A15	S	Tx9n
C16	L	GND	C	C	A16	L	GND
C17	S	Rx11p	◁----		A17	S	Tx11p
C18	S	Rx11n	◁----		A18	S	Tx11n
C19	L	GND	C	C	A19	L	GND
C20	S	PRSNT_L	□	□	A20	S	SCL
C21	S	Int_L/Reset_L	□	□	A21	S	SDA
D1	L	GND	C	C	B1	L	GND
D2	S	Rx0p	◁----		B2	S	Tx0p
D3	S	Rx0n	◁----		B3	S	Tx0n
D4	L	GND	C	C	B4	L	GND
D5	S	Rx2p	◁----		B5	S	Tx2p
D6	S	Rx2p	◁----		B6	S	Tx2n
D7	L	GND	C	C	B7	L	GND
D8	S	Rx4p	◁----		B8	S	Tx4p
D9	S	Rx4n	◁----		B9	S	Tx4n
D10	L	GND	C	C	B10	L	GND
D11	S	Rx6p	◁----		B11	S	Tx6p
D12	S	Rx6n	◁----		B12	S	Tx6n
D13	L	GND	C	C	B13	L	GND
D14	S	Rx8p	◁----		B14	S	Tx8p
D15	S	Rx8n	◁----		B15	S	Tx8n
D16	L	GND	C	C	B16	L	GND
D17	S	Rx10p	◁----		B17	S	Tx10p
D18	S	Rx10n	◁----		B18	S	Tx10n
D19	L	GND	C	C	B19	L	GND
D20	S	VCC3.3-Rx	□	□	B20	M	VCC3.3-Tx
D21	S	VCC12-Rx	□	□	B21	M	VCC12-Tx

PIN OUT CHART (WIRING) SEE NOTE 6

spec ref	-			dr	Deborah Ingram	2011/04/15	projection	MM	size A2 / scale 1:2
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Ya Li	2015/08/05			ecn no ELX-N-21586-1
				chr	-	-			
				appr	Frank Mao	2015/08/05	product family -		rel level Released
surface - ASME Y14.5	linear	0.X	±Y	FCI www.fci.com	title	FINAL ASSEMBLY - STANDARD CXP PASSIVE CABLE ASSEMBLY		dwg no 10116951	rev C
		0.XX	±Y						
		0.XXX	±Y						
	angular	0°	±Y°		cat. no. -	Product - Customer Drw			sheet 2 of 3

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NOTES:

1. MATERIAL:
   COVERS: ZINC ALLOY
   PULL STRAP: THERMOPLASTIC
   LATCH: STAINLESS STEEL
   FERRULE: BRASS
   PIN: STAINLESS STEEL
   (LOCTITE) EPOXY
   SPLIT GROMMET: POLYURETHANE
   PADDLE CARD: PRINTED CIRCUIT SUBSTRATE - FR4
   CABLE JACKETS TO BE CL2 RATED - UL94-0

2. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC)

3. THIS DIMENSION IS A FINISHED PRODUCT LENGTH.

4. UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE IS TO BE:
   "DIM L" < 1 METER = ± 25mm
   "DIM L" = 1 METER TO 5 METERS = ± 2% OF "DIM L"

5. CONTENTS OF LABEL ARE TO BE:
   LABEL DETAILS:

   FCI CHINA
   FCI P/N
   REVISION:C
   SN: CNYYWWCA ** * *####
   ||||||||||||||||||||||||
   (the first ** present cable length, eg:05--0.5m, 15--1.5m...)
   (the 2nd * present cable wire guage, eg:2--30awg, 4--26awg...)
   (the 3th * present L--lead free or H--halongen free .)
   (the #### present serial number, eg: 0001, 0002...)
   (barcode content is CNYYWWCA ** * *#### in 128 code)

   FONT SHALL BE CLEARLY VISIBLE AND BLACK IN COLOR.

6. ALL CABLE ASSEMBLIES SHALL BE 100% TESTED FOR CONTINUITY AS DEFINED IN WIRING LIST.

7. OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-0943.

8. PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING PER SPECIFICATION GS-14-920.
   PACKAGE CABLE ASSEMBLIES PER GS-14-1272. DUST COVERS ARE TO BE PLACED ON ASSEMBLIES PRIOR TO PACKAGING.

9. IMPEDANCE: 100Ω DIFFERENTIAL.

10. A " " SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION. THE CURRENT REVISION WILL BE SHOWN IN THE SYMBOL.

Pruduct number (LEAD FREE)	"DIM L" LENGTH METERS	AWG	NOTES
10116951-2005LF	0.5	30	
10116951-2010LF	1.0	30	
10116951-2015LF	1.5	30	
10116951-2020LF	2.0	30	
10116951-2025LF	2.5	30	
10116951-2030LF	3.0	30	
10116951-4005LF	0.5	26	
10116951-4010LF	1.0	26	
10116951-4015LF	1.5	26	
10116951-4020LF	2.0	26	
10116951-4025LF	2.5	26	
10116951-4030LF	3.0	26	
10116951-4035LF	3.5	26	
10116951-4040LF	4.0	26	
10116951-4042LF	4.25	26	
10116951-4045LF	4.5	26	
10116951-4050LF	5.0	26	

Pruduct number (HALOGEN FREE)	"DIM L" LENGTH METERS	AWG	NOTES
10116951-2005HLF	0.5	30	
10116951-2010HLF	1.0	30	
10116951-2015HLF	1.5	30	
10116951-2020HLF	2.0	30	
10116951-2025HLF	2.5	30	
10116951-2030HLF	3.0	30	
10116951-4005HLF	0.5	26	
10116951-4010HLF	1.0	26	
10116951-4015HLF	1.5	26	
10116951-4020HLF	2.0	26	
10116951-4025HLF	2.5	26	
10116951-4030HLF	3.0	26	
10116951-4035HLF	3.5	26	
10116951-4040HLF	4.0	26	
10116951-4042HLF	4.25	26	
10116951-4045HLF	4.5	26	
10116951-4050HLF	5.0	26	

Performance Level	Unequalized cable length/AWG*					
	1M	2M	2.5M	3M	4M	4.25M
Infiniband-QDR	30AWG	30AWG	30AWG	26AWG	26AWG	26AWG
IEEE 802.3ba	30AWG	30AWG	30AWG	TBD	TBD	

*MINIMUM RECOMENDED CABLE AWG IS SHOWN

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spec ref	-			dr	Deborah Ingram	2011/04/15	projection	MM	size A2	scale 1:2
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Ya Li	2015/08/05			ecn no	ELX-N-21586-1
				chr	-	-				
				appr	Frank Mao	2015/08/05	product family -		rel level	Released
surface - ASME Y14.5	linear	0.X	±Y	www.fci.com	title	FINAL ASSEMBLY - STANDARD	dwg no	10116951	rev	C
		0.XX	±Y			CXP PASSIVE CABLE ASSEMBLY				
		0.XXX	±Y		cat. no.	-	Product - Customer Drw		sheet 3 of 3	
	angular	0°	±Y°							