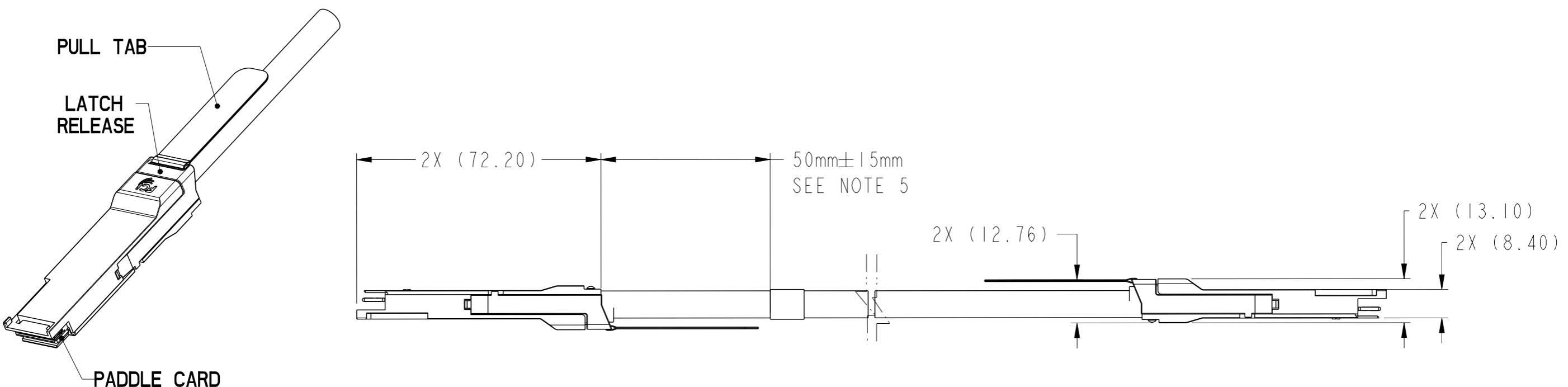
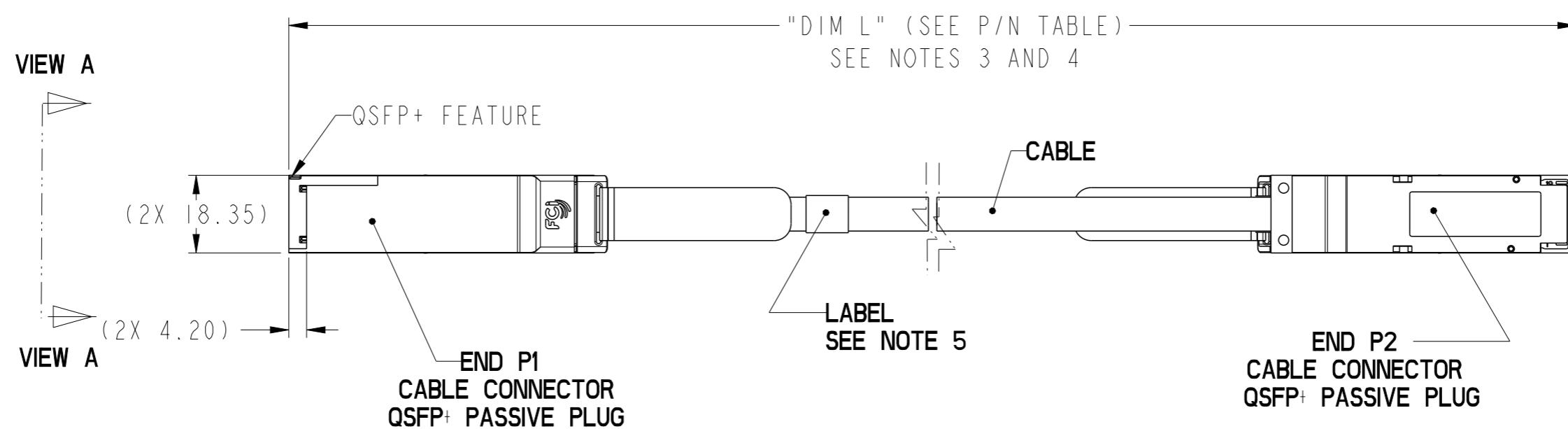


Product number	DESCRIPTION	NOTES
10093084-XXXXLF	NON-HF	SEE SHT. 3
10093084-XXXXHFLF	HALOGEN FREE (HF)	SEE SHT. 4

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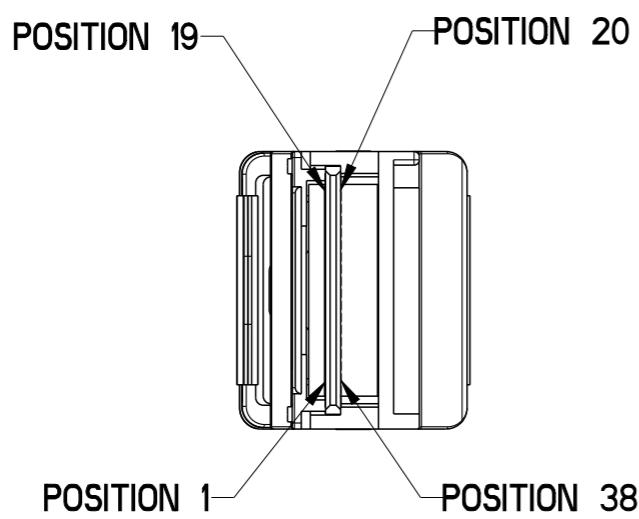
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dr	Deborah Ingram	2009/07/20	projection	mm	size	scale	
eng	Michael Zhou	2015/05/13					
chr	-	-	product family	QSFP PLUG	rel Chan	Released	
appr	Frank Mao	2015/05/13					
F C I	FINAL ASSEMBLY			dwg no	10093084	rev L	
	QSFP+ (PASSIVE) ASSEMBLY						
www.fci.com		cat. no.	-	Product - Customer Drw	sheet 1 of 5		

Product number	DESCRIPTION	NOTES
10093084-XXXXLF	NON-HF	SEE SHT. 3
10093084-XXXXHFLF	HALOGEN FREE (HF)	SEE SHT. 4



LOW SPEED SIGNALS P1 & P2

POSITION	SYMBOL
8	ModSelL
9	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	VccI
31	LPMode

WIRING LIST (SEE NOTE 6)

END P1

END P2

POSITION	SYMBOL		POSITION	SYMBOL
1	GND (TX)	---	20	GND (RX)
2	TX2n	---	21	RX2n
3	TX2p	---	22	RX2p
4	GND (TX)	---	23	GND (RX)
5	TX4n	---	24	RX4n
6	TX4p	---	25	RX4p
7	GND (TX)	---	26	GND (RX)
13	GND (RX)	---	32	GND (TX)
14	RX3p	---	33	RX3p
15	RX3n	---	34	RX3n
16	GND (RX)	---	35	GND (TX)
17	RX1p	---	36	RX1p
18	RX1n	---	37	RX1n
19	GND (RX)	---	38	GND (TX)
20	GND (RX)	---	1	GND (TX)
21	RX2n	---	2	RX2n
22	RX2p	---	3	RX2p
23	GND (RX)	---	4	GND (TX)
24	RX4n	---	5	RX4n
25	RX4p	---	6	RX4p
26	GND (RX)	---	7	GND (TX)
32	GND (TX)	---	13	GND (RX)
33	TX3p	---	14	RX3p
34	TX3n	---	15	RX3n
35	GND (TX)	---	16	GND (RX)
36	RX1p	---	17	RX1p
37	RX1n	---	18	RX1n
38	GND (TX)	---	19	GND (RX)

SHIELD-----> SHIELD

dr	Deborah Ingram	2009/07/20	projection	mm	size	scale
eng	Michael Zhou	2015/05/13				
chr	-	-				
appr	Frank Mao	2015/05/13	product family	QSFP PLUG	rel	Chan Released

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FINAL ASSEMBLY
QSFP+ (PASSIVE) ASSEMBLY

www.fci.com

cat. no. - Product - Customer Drw

dwg no. 10093084 rev L

sheet 2 of 5

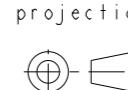
PART NUMBER	"DIM L" LENGTH (Meters)	AWG	NOTES
10093084-1005LF	0.5	32	NOTE 12
10093084-1010LF	1.0	32	
10093084-2005LF	0.5	30	
10093084-200ALF	0.75	30	
10093084-2010LF	1.0	30	
10093084-2015LF	1.5	30	
10093084-2020LF	2.0	30	
10093084-2025LF	2.5	30	
10093084-2030LF	3.0	30	
10093084-2050LF	5.0	30	
10093084-2070LF	7.0	30	
10093084-3005LF	0.5	28	NOTE 12
10093084-3010LF	1.0	28	
10093084-3015LF	1.5	28	
10093084-3020LF	2.0	28	
10093084-3025LF	2.5	28	
10093084-3030LF	3.0	28	
10093084-3035LF	3.5	28	
10093084-3040LF	4.0	28	
10093084-3045LF	4.5	28	
10093084-3050LF	5.0	28	
10093084-3070LF	7.0	28	
10093084-4005LF	0.5	26	NOTE 12
10093084-4010LF	1.0	26	
10093084-4015LF	1.5	26	
10093084-4020LF	2.0	26	
10093084-4025LF	2.5	26	
10093084-4030LF	3.0	26	
10093084-4035LF	3.5	26	
10093084-4040LF	4.0	26	
10093084-4045LF	4.5	26	
10093084-4050LF	5.0	26	
10093084-4055LF	5.5	26	
10093084-4060LF	6.0	26	
10093084-4065LF	6.5	26	
10093084-4070LF	7.0	26	

PART NUMBER	"DIM L" LENGTH (Meters)	AWG	NOTES
10093084-5005LF	0.5	24	NOTE 12
10093084-5010LF	1.0	24	
10093084-5015LF	1.5	24	
10093084-5020LF	2.0	24	
10093084-5025LF	2.5	24	
10093084-5030LF	3.0	24	
10093084-5035LF	3.5	24	
10093084-5040LF	4.0	24	
10093084-5045LF	4.5	24	
10093084-5050LF	5.0	24	
10093084-5055LF	5.5	24	
10093084-5060LF	6.0	24	
10093084-5065LF	6.5	24	
10093084-5070LF	7.0	24	
10093084-5075LF	7.5	24	
10093084-5080LF	8.0	24	
10093084-5085LF	8.5	24	
10093084-5090LF	9.0	24	
10093084-5095LF	9.5	24	
10093084-5100LF	10.0	24	

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NON-HALOGEN FREE CABLE ASSEMBLY PART NUMBERS

dr	Deborah Ingram	2009/07/20	projection 	mm	size A3	scale 1:1
eng	Michael Zhou	2015/05/13				
chr	-	-				
appr	Frank Mao	2015/05/13				
product family			QSFP PLUG	rel	Chan	Released
FINAL ASSEMBLY			dwg no	10093084		
QSFP+ (PASSIVE) ASSEMBLY			dwg no	L		
www.fci.com			cat. no.	Product - Customer Drw		
				sheet 3 of 5		

PART NUMBER	"DIM L" LENGTH (Meters)	AWG	NOTES
10093084-1005HFLF	0.5	32	
10093084-1010HFLF	1.0	32	NOTE 11
10093084-2005HFLF	0.5	30	
10093084-200AHFLF	0.75	30	
10093084-2010HFLF	1.0	30	
10093084-2015HFLF	1.5	30	
10093084-2020HFLF	2.0	30	NOTE 11
10093084-2025HFLF	2.5	30	
10093084-2030HFLF	3.0	30	
10093084-2050HFLF	5.0	30	
10093084-2070HFLF	7.0	30	
10093084-3005HFLF	0.5	28	
10093084-3010HFLF	1.0	28	
10093084-3015HFLF	1.5	28	
10093084-3020HFLF	2.0	28	
10093084-3025HFLF	2.5	28	
10093084-3030HFLF	3.0	28	NOTE 11
10093084-3035HFLF	3.5	28	
10093084-3040HFLF	4.0	28	
10093084-3045HFLF	4.5	28	
10093084-3050HFLF	5.0	28	
10093084-3070HFLF	7.0	28	
10093084-4005HFLF	0.5	26	
10093084-4010HFLF	1.0	26	
10093084-4015HFLF	1.5	26	
10093084-4020HFLF	2.0	26	
10093084-4025HFLF	2.5	26	
10093084-4030HFLF	3.0	26	
10093084-4035HFLF	3.5	26	
10093084-4040HFLF	4.0	26	
10093084-4045HFLF	4.5	26	
10093084-4050HFLF	5.0	26	
10093084-4055HFLF	5.5	26	
10093084-4060HFLF	6.0	26	
10093084-4065HFLF	6.5	26	
10093084-4070HFLF	7.0	26	

PART NUMBER	"DIM L" LENGTH (Meters)	AWG	NOTES
10093084-5005HFLF	0.5	24	
10093084-5010HFLF	1.0	24	
10093084-5015HFLF	1.5	24	
10093084-5020HFLF	2.0	24	
10093084-5025HFLF	2.5	24	
10093084-5030HFLF	3.0	24	
10093084-5035HFLF	3.5	24	
10093084-5040HFLF	4.0	24	
10093084-5045HFLF	4.5	24	
10093084-5050HFLF	5.0	24	
10093084-5055HFLF	5.5	24	
10093084-5060HFLF	6.0	24	
10093084-5065HFLF	6.5	24	
10093084-5070HFLF	7.0	24	
10093084-5075HFLF	7.5	24	
10093084-5080HFLF	8.0	24	
10093084-5085HFLF	8.5	24	
10093084-5090HFLF	9.0	24	
10093084-5095HFLF	9.5	24	
10093084-5100HFLF	10.0	24	

NOTE 11

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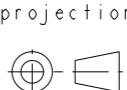
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HALOGEN FREE CABLE ASSEMBLY PART NUMBERS

dr	Deborah Ingram	2009/07/20	projection 	mm 	size	A3	scale	
eng	Michael Zhou	2015/05/13			ecn no	ELX-N-20844-1	rev	
chr	-	-			product family	QSFP PLUG	rel	Chan Released
appr	Frank Mao	2015/05/13			dwg no	10093084	cat. no.	
 FINAL ASSEMBLY QSFP+ (PASSIVE) ASSEMBLY				dwg no	10093084	rev		
www.fci.com				cat. no.	-	Product - Customer Drw	sheet 4 of 5	

Product number	DESCRIPTION	NOTES
10093084-XXXXLF	NON-HF	SEE SHT. 3
10093084-XXXXHFLF	HALOGEN FREE (HF)	SEE SHT. 4

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NOTES:

- (1) MATERIAL:
CASTINGS: ZINC ALLOY/ COPPER UNDERPLATE/ NICKEL OVERPLATE
PULL TAB: THERMOPLASTIC POLYMER
LATCH RELEASE: ZINC DIECAST, NICKEL OVERPLATE
DRIVE SCREWS: STAINLESS STEEL
STRAIN RELIEF COLLAR: BRASS
SPRING: STAINLESS STEEL
PADDLE CARD: PRINTED CIRCUIT SUBSTRATE
- (2) "HF" PRODUCT NUMBERS DESIGNATE THE USE OF HALOGEN FREE RAW CABLE.
- (3) HALOGEN FREE RAW CABLE CAN BE USED AS A SUBSTITUTE ON NON-HF PRODUCT NUMBERS.
- (4) LONGER LENGTH APPLICATIONS REQUIRE HOST SYSTEM PREMPHASIS AND/OR EQUALIZATION.
- (5) PRODUCT CAPABILITY MATRIX SHOWS THE MINIMUM RECOMMENDED CABLE GAUGE PER LENGTH TO MEET THE PERFORMANCE LEVEL OF EACH INDUSTRY STANDARD.
- (6) RAW CABLE IS OPTIONAL WHICH HAD BEEN QUALIFIED BY FCI AND MEET FCI PRODUCT SPEC GS-12-622

B

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 = \pm 25mm

"DIM L" = 1 METER TO 10 METERS = \pm 2% OF "DIM L"

"DIM L" > 10 METERS = +0.00 / -4% OF "DIM L"

(5) UNLESS OTHERWISE SPECIFIED LABEL POSITION IS TO BE 50mm FROM REAR OF CONNECTOR.

LABEL DETAILS:

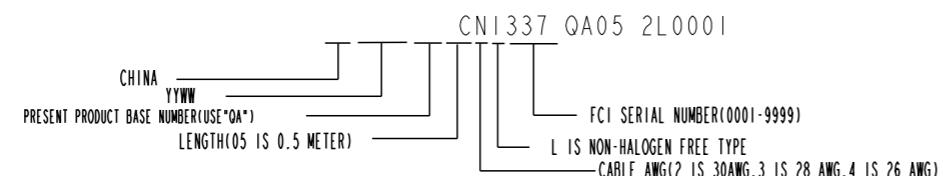
MANUFACTURER CODE OR NAME COUNTRY ORIGIN

CUSTOMER P/N OR FCI P/N

REVISION

DATE CODE (YY/MM/DD FORMAT) - SERIAL NUMBER

2D BAR CODE OF SERIAL NUMBER



C

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 - IMPEDANCE: 100 Ω DIFFERENTIAL.

8 - OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-622.

9 - PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING PER SPECIFICATION GS-14-920. PACKAGE CABLE ASSEMBLIES PER GS-14-1272. DUST CAPS ARE TO BE ASSEMBLED PRIOR TO PACKAGING.

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.

PRODUCT CAPABILITY MATRIX (SEE NOTE 14)

	CABLE LENGTH / AWG									
PERFORMANCE LEVEL	1M	2M	3M	4M	5M	6M	7M	8M	9M	10M
Infiniband - QDR	30	30	30	28	26	24				
Infiniband - DDR	30	30	30	28	28	26	26	24	24	24
Infiniband - SDR	30	30	30	28	28	26	26	24	24	24

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spec ref tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED				dr	Deborah Ingram	2009/07/20	projection product family	mm	size A3 scale 3:10 ecn no ELX-N-20844-1	
	eng	Michael Zhou	2015/05/13								
	chr	-	-								
	appr	Frank Mao	2015/05/13								
surface ✓	linear	0.X	\pm 0.3	FCI	FINAL ASSEMBLY				dwg no	10093084	
		0.XX	\pm 0.10		QSFP+ (PASSIVE) ASSEMBLY				dwg no	L	
		0.XXX	\pm 0.050						dwg no		
	angular	0°	\pm 2°	www.fci.com	cat. no.	-	Product - Customer Drw	rel level Released	sheet 5 of 5		