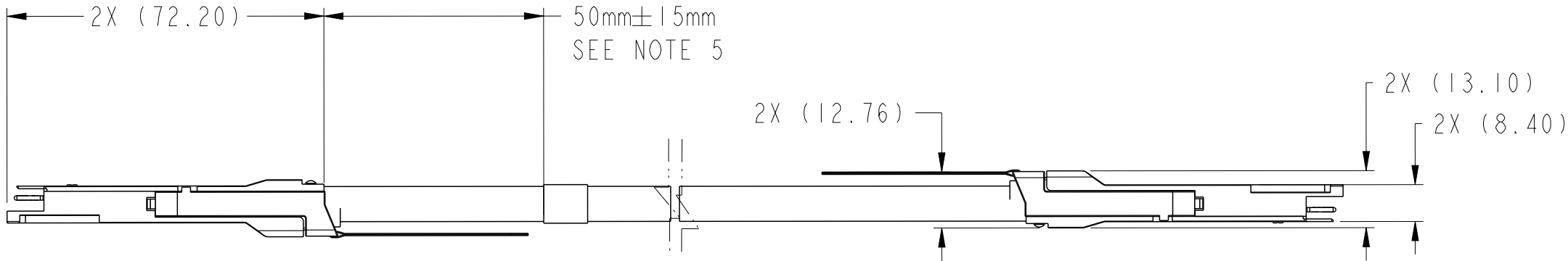
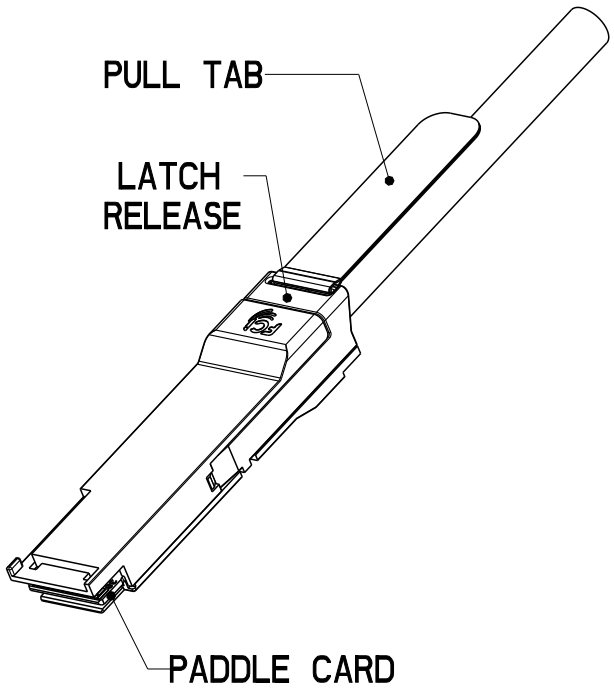
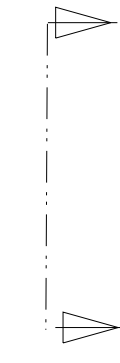


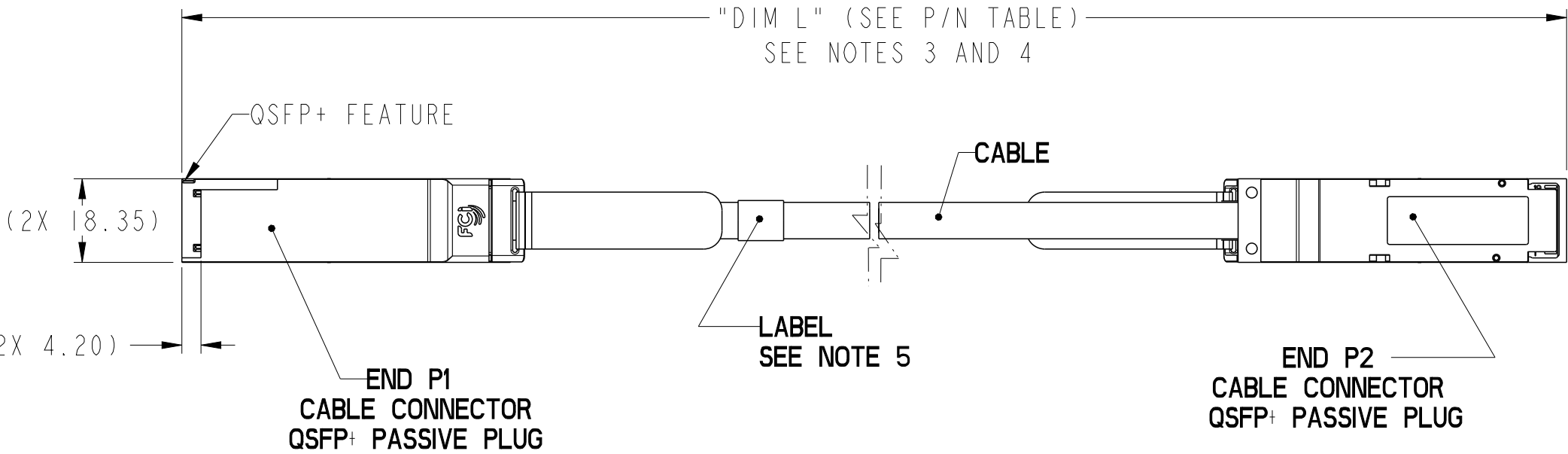
Product number	DESCRIPTION	NOTES
10093084-XXXXLF	NON-HF	SEE SHT. 3
10093084-XXXXHFLF	HALOGEN FREE (HF)	SEE SHT. 4

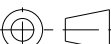


VIEW A



VIEW A



dr	Deborah Ingram	2009/07/20	projection 	mm 	size	A3	scale	3:10	
eng	Michael Zhou	2015/05/13			ecn no				ELX-N-20844-1
chr	-	-			rel				Chan
appr	Frank Mao	2015/05/13	product family		QSFP PLUG				
			title			FINAL ASSEMBLY			rev
			QSFP+ (PASSIVE) ASSEMBLY			10093084			L
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 1 of 5		

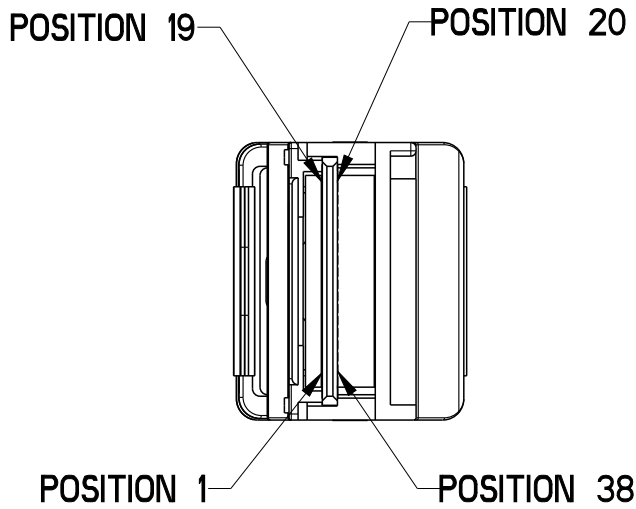


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Product number	DESCRIPTION	NOTES
10093084-XXXXLF	NON-HF	SEE SHT. 3
10093084-XXXXHFLF	HALOGEN FREE (HF)	SEE SHT. 4



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

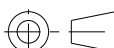
WIRING LIST (SEE NOTE 6)

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	TX3p
15	RX3n	◁---	34	TX3n
16	GND (RX)	◁---	35	GND (TX)
17	RX1p	◁---	36	TX1p
18	RX1n	◁---	37	TX1n
19	GND (RX)	◁---	38	GND (TX)
20	GND (RX)	◁---	1	GND (TX)
21	RX2n	◁---	2	TX2n
22	RX2p	◁---	3	TX2p
23	GND (RX)	◁---	4	GND (TX)
24	RX4n	◁---	5	TX4n
25	RX4p	◁---	6	TX4p
26	GND (RX)	◁---	7	GND (TX)
32	GND (TX)	---▷	13	GND (RX)
33	TX3p	---▷	14	RX3p
34	TX3n	---▷	15	RX3p
35	GND (TX)	---▷	16	GND (RX)
36	TX1p	---▷	17	RX1p
37	TX1n	---▷	18	RX1n
38	GND (TX)	---▷	19	GND (RX)

SHIELD-----▷ SHIELD

dr	Deborah Ingram	2009/07/20	projection 	mm 	size	A3	scale	3:10		
eng	Michael Zhou	2015/05/13			ecn no	ELX-N-20844-1				
chr	-	-								
appr	Frank Mao	2015/05/13	product family		QSFP PLUG		rel	Chan Released		
	title	FINAL ASSEMBLY QSFP+ (PASSIVE) ASSEMBLY			dwg no	10093084		rev	L	
www.fci.com		cat. no.	-	Product - Customer Drw				sheet 2 of 5		



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NON-HALOGEN FREE CABLE ASSEMBLY PART NUMBERS

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	NOTE 12
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	

dr	Deborah Ingram	2009/07/20	projection	mm	size	A3	scale	1:1						
eng	Michael Zhou	2015/05/13			ecn no	ELX-N-20844-1								
chr	-	-				rel	Chan Released							
appr	Frank Mao	2015/05/13	product family				QSFP PLUG							
		title			FINAL ASSEMBLY			dwg no		10093084		rev		L
www.fci.com		cat. no.		-		Product - Customer Drw					sheet 3 of 5			



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PART NUMBER	"DIM L" LENGTH (Meters)	AWG	NOTES
10093084-1005HFLF	0.5	32	NOTE 11
10093084-1010HFLF	1.0	32	
10093084-2005HFLF	0.5	30	NOTE 11
10093084-200AHFLF	0.75	30	
10093084-2010HFLF	1.0	30	
10093084-2015HFLF	1.5	30	
10093084-2020HFLF	2.0	30	
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	NOTE 11
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	
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	NOTE 11
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	

HALOGEN FREE CABLE ASSEMBLY PART NUMBERS

2

2

3

3

PDS: Rev :L

4

4

STATUS:Released

Printed: May 13, 2015

PART NUMBER	"DIM L" LENGTH (Meters)	AWG	NOTES
10093084-5005HFLF	0.5	24	NOTE 11
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	

A

B

C

D

dr	Deborah Ingram	2009/07/20	projection	mm	size	A3	scale	3:10	
eng	Michael Zhou	2015/05/13			ecn no	ELX-N-20844-1			
chr	-	-			rel	Chan Released			
appr	Frank Mao	2015/05/13	product family		QSFP PLUG				
www.fci.com		cat. no.			-		Product - Customer Drw		sheet 4 of 5
FCI		FINAL ASSEMBLY			dwg no		10093084		rev
		+ QSFP+ (PASSIVE) ASSEMBLY							L

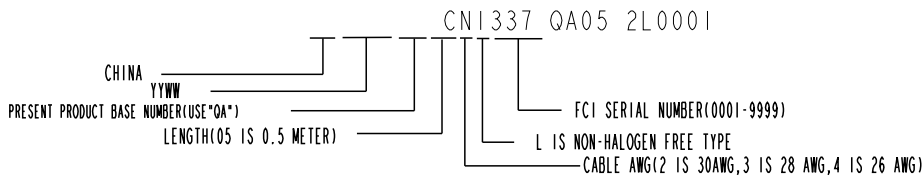
Product number	DESCRIPTION	NOTES
10093084-XXXXLF	NON-HF	SEE SHT. 3
10093084-XXXXHFLF	HALOGEN FREE (HF)	SEE SHT. 4

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 - 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 = $\pm 25\text{mm}$
"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 | |



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: 100Ω 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.

- ⑪ "HF" PRODUCT NUMBERS DESIGNATE THE USE OF HALOGEN FREE RAW CABLE.
- ⑫ HALOGEN FREE RAW CABLE CAN BE USED AS A SUBSTITUTE ON NON-HF PRODUCT NUMBERS.
13. LONGER LENGTH APPLICATIONS REQUIRE HOST SYSTEM PREMPHASIS AND/OR EQUALIZATION.
14. PRODUCT CAPABILITY MATRIX SHOWS THE MINIMUM RECOMMENDED CABLE GAUGE PER LENGTH TO MEET THE PERFORMANCE LEVEL OF EACH INDUSTRY STANDARD.
15. RAW CABLE IS OPTIONAL□WHICH HAD BEEN QUALIFIED BY FCI AND MEET FCI PRODUCT SPEC GS-12-622

PRODUCT CAPABILITY MATRIX (SEE NOTE 14)										
PERFORMANCE LEVEL	CABLE LENGTH / AWG									
	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

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