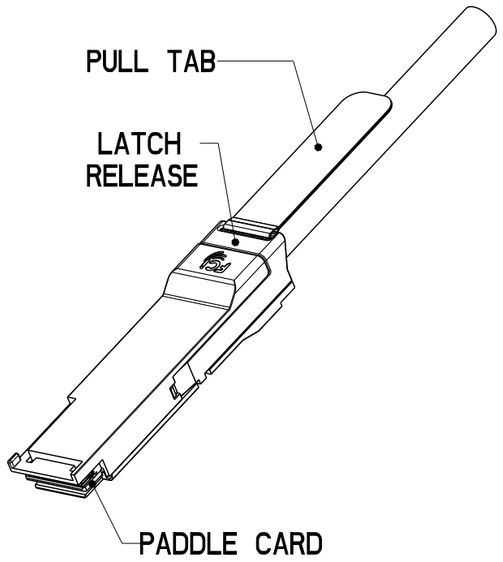
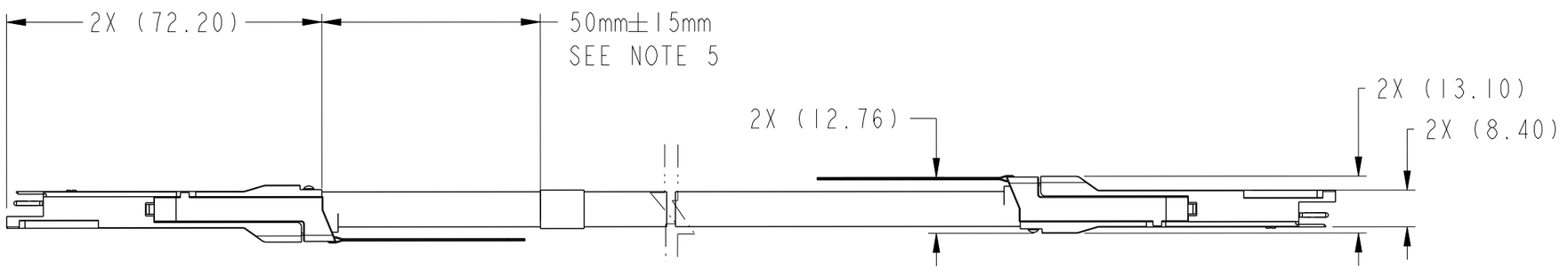
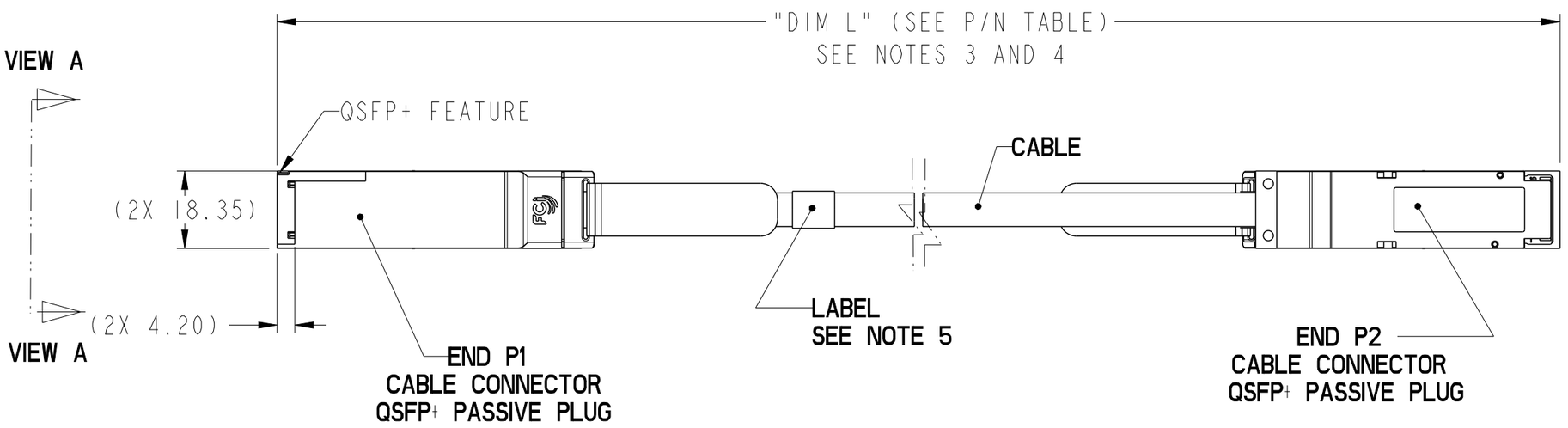
Product number	DESCRIPTION	NOTES
10093084-XXXXLF	NON-HF	SEE SHT. 3
10093084-XXXXHFLF	HALOGEN FREE (HF)	SEE SHT. 4







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 Change Released	

FCI	title FINAL ASSEMBLY QSFP+ (PASSIVE) ASSEMBLY	dwg no 10093084	rev L
www.fci.com	cat. no. -	Product - Customer Drw	sheet 1 of 5

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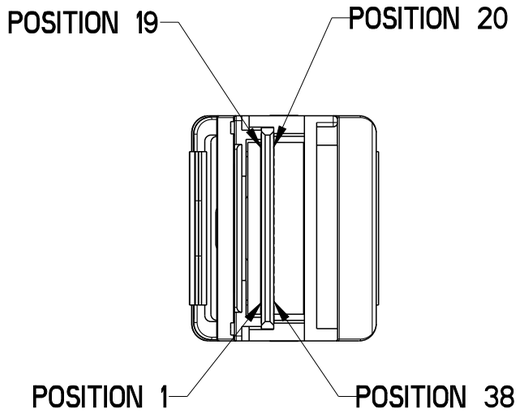
Pro/E File - REV C - 2009-06-09

PDS: Rev :L STATUS:Released Printed: May 13, 2015

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	Vcc1
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

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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

FCI www.fci.com

title: FINAL ASSEMBLY
QSFP+ (PASSIVE) ASSEMBLY

dwg no: 10093084

rev: L

cat. no. -

Product - Customer Drw

Pro/E File - REV C - 2009-06-09

PDS: Rev :L

STATUS:Released

Printed: May 13, 2015

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	

NON-HALOGEN FREE CABLE ASSEMBLY PART NUMBERS

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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	Released
appr	Frank Mao	2015/05/13	product family	QSFP PLUG		

www.fci.com	title: FINAL ASSEMBLY QSFP+ (PASSIVE) ASSEMBLY	dwg no 10093084	rev L
	cat. no. -	Product - Customer Drw	sheet 3 of 5

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	

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	

HALOGEN FREE CABLE ASSEMBLY PART NUMBERS

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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	Released

www.fci.com	title: FINAL ASSEMBLY QSFP+ (PASSIVE) ASSEMBLY	dwg no: 10093084	rev: L
	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

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 = ± 25mm
"DIM L" = 1 METER TO 10 METERS = ± 2% OF "DIM L"
"DIM L" > 10 METERS = +0.00 / -4% OF "DIM L"

△L (5) - UNLESS OTHERWISE SPECIFIED LABEL POSITION IS TO BE 50mm FROM REAR OF CONNECTOR.
LABEL DETAILS:
MANUFACTURER CODE OR NAME COUNTRY ORIGIN — FCI CHINA
CUSTOMER P/N OR FCI P/N — 10093084-2005LF
REVISION — REV.L
DATE CODE (YY/MM/DD FORMAT) - SERIAL NUMBER — CN1337QA052L0001
2D BAR CODE OF SERIAL NUMBER

CN1337 QA05 2L0001
CHINA
YYWW
PRESENT PRODUCT BASE NUMBER(USE"QA")
LENGTH(05 IS 0.5 METER)
FCI SERIAL NUMBER(0001-9999)
L IS NON-HALOGEN FREE TYPE
CABLE AWG(2 IS 30AWG,3 IS 28 AWG,4 IS 26 AWG)

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)

	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			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			
			chr	-	-			ecn no ELX-N-20844-1
			appr	Frank Mao	2015/05/13	product family QSFP PLUG		rel level Released
surface -	linear	0.X ±0.3	FCI	title FINAL ASSEMBLY			dwg no 10093084	rev L
		0.XX ±0.10		QSFP+ (PASSIVE) ASSEMBLY				
		0.XXX ±0.050	www.fci.com	cat. no. -		Product - Customer Drw		sheet 5 of 5
	angular	0° ±2°°						