

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10121178-2005LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

PRODUCT NUMBER	NOTES
10121178-XXXXLF	SEE SHT. 3

A

B

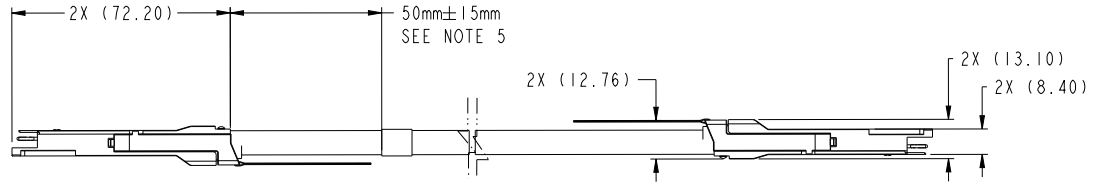
C

D

PULL TAB

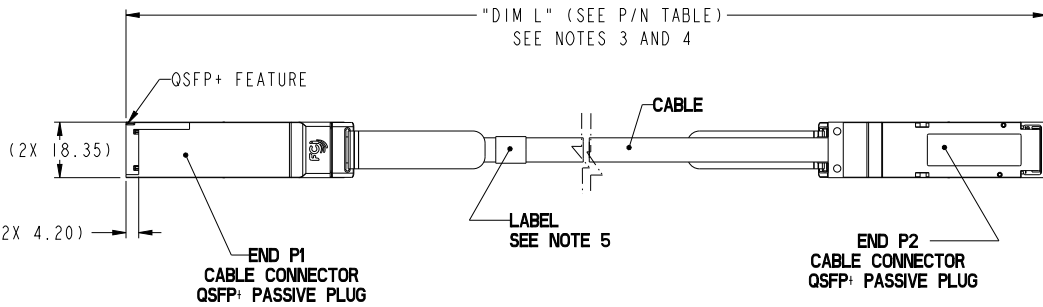
LATCH
RELEASE

PADDLE CARD



VIEW A

VIEW A



spec ref	dr	David Humbert	201206021	projection	mm	size	A3	scale	3:10
tolerance std	eng	Michael Zhou	201212204	chr		ecm no	ELX-N-20075-1		
	chr			appr	Frank Mao	201512104	product family	QSFP PLUG	rel level
	appr								Released
surface	linear	0.X	±0.3			FINAL ASSEMBLY 4X28G QSFP+ (PASSIVE) ASSEMBLY		10121178	
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±2°	www.fci.com		cat. no.		Product - Customer Drw	
				3		PDS: Rev .H		STATUS: Released	
				4		Printed: Dec 31, 2015		sheet 1 of 3	

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3

PDS: Rev .H

STATUS: Released

Printed: Dec 31, 2015

A

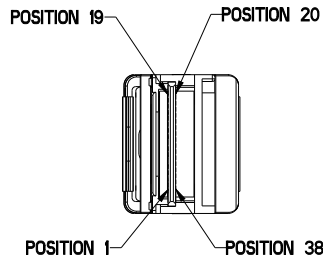
B

C

D

4

PRODUCT NUMBER	NOTES
10121178-XXXXLF	SEE SHT. 3



**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	RX3n	
35	GND (TX)	---	16	GND (RX)	
36	TX1p	---	17	TX1p	
37	TX1n	---	18	RX1n	
38	GND (TX)	---	19	GND (RX)	

SHIELD-----> SHIELD

spec ref	tolerance std	dr	David Humbert	201208021	projection	mm	size	A3	scale	3:10
		eng	Michael Zhou	201512104			ecn no	ELX-N-20075-1		
		chr					rel level	Released		
		appr	Frank Mao	201512104	product family	QSFP PLUG				
surface	linear	0.X	±0.3	FCI	title	FINAL ASSEMBLY 4X28G QSFP+ (PASSIVE) ASSEMBLY	dwg no	10121178	rev	H
		0.XX	±0.10							
		0.XXX	±0.050							
	angular	0°	±2°	www.fci.com	cat. no.		Product - Customer Drw	sheet 2 of 3		

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PDS: Rev.H

STATUS:Released

Printed: Dec 31, 2015



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PRODUCT NUMBER	NOTES
10121178-XXXXLF	SEE SHT. 3

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 (2011/65/EU)

- 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 $\pm 0.00 / -4\%$ OF "DIM L"

- ⑤ UNLESS OTHERWISE SPECIFIED LABEL POSITION IS TO BE 50mm FROM REAR OF CONNECTOR.
LABEL DETAILS:

MANUFACTURER CODE AND NAME COUNTRY ORIGIN
CUSTOMER P/N OR FCI P/N
REVISION
FCI SERIAL NUMBER
BAR CODE OF SERIAL NUMBER



CHINA YYWW

PRESENT PRODUCT BASE NUMBER(USE "QV")
LENGTH(05 IS 0.5METER)
FCI SERIAL NUMBER (0001-9999)
L IS NON-HALOGEN FREE TYPE
CABLE AWG(2 IS 30 AWG, 3 IS 28 AWG, 4 IS 26AWG)
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 LATEST 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. PRODUCT CAPABILITY MATRIX SHOWS THE MINIMUM RECOMMENDED CABLE GAUGE PER LENGTH TO MEET THE PERFORMANCE LEVEL OF EACH INDUSTRY STANDARD.

12. EEPROM INFORMATION REFERS TO THE LATEST FCI QSFP+ SPECIFICATION GS-12-622

- ⑨ 13. RAW CABLE IS OPTIONAL WHICH HAD BEEN QUALIFIED BY FCI AND MEET INDUSTRIAL SPECIFICATION.

- ⑨ 14. HALOGEN FREE RAW CABLE CAN BE USED AS A SUBSTITUTE FOR NON-HALOGEN FREE RAW CABLE.

CABLE ASSEMBLY PART NUMBERS

PART NUMBERS	AWG	DIMENSION "L"	NOTES
10121178-2005LF	30	0.5	
10121178-2006LF	30	0.6	
10121178-2007LF	30	0.7	
10121178-2008LF	30	0.8	
10121178-2009LF	30	0.9	
10121178-2010LF	30	1.0	
10121178-2015LF	30	1.5	
10121178-2020LF	30	2.0	
10121178-2025LF	30	2.5	
10121178-2030LF	30	3.0	
10121178-4005LF	26	0.5	
10121178-4010LF	26	1.0	
10121178-4015LF	26	1.5	
10121178-4020LF	26	2.0	
10121178-4025LF	26	2.5	
10121178-4030LF	26	3.0	
10121178-403ALF	26	3.25	
10121178-4035LF	26	3.5	
10121178-4040LF	26	4.0	
10121178-4045LF	26	4.5	
10121178-4050LF	26	5.0	

PRODUCT CAPABILITY MATRIX (SEE NOTE 11)

INDUSTRY STANDARD	UNEQUALIZED CABLE LENGTH/AWG				
	1M	2M	3.0M	4M	5M
OIF CEI-25G-LR	30AWG	30AWG	30AWG	26AWG	26AWG
IEEE 802.3bj	30AWG	30AWG	30AWG	26AWG	26AWG

spec ref	dr David Humbert	201208021	projection	mm	size A3	scale 1:1
tolerance std	eng Michael Zhou	20121204	chr		ecr no	ELN-20175-1
	chr		app		rel level	Released
	app	20151204	product family	QSFP PLUG		
surface	linear	0.X ± 0.3 0.XX ± 0.10 0.XXX ± 0.050	FCI FINAL ASSEMBLY		10121178	rev H
	angular	0° $\pm 2^{\circ}$	4X28G QSFP+ (PASSIVE) ASSEMBLY			
			www.fci.com		cat. no.	
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