

Excellent Integrated System Limited

Stocking Distributor

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

[FCI](#)
[10115796-P005003LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

A

B

C

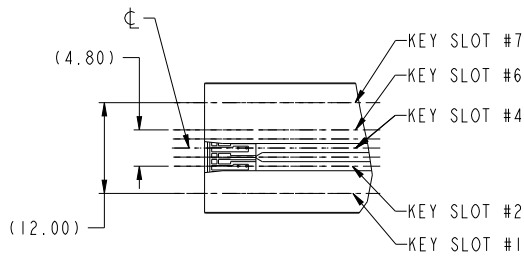
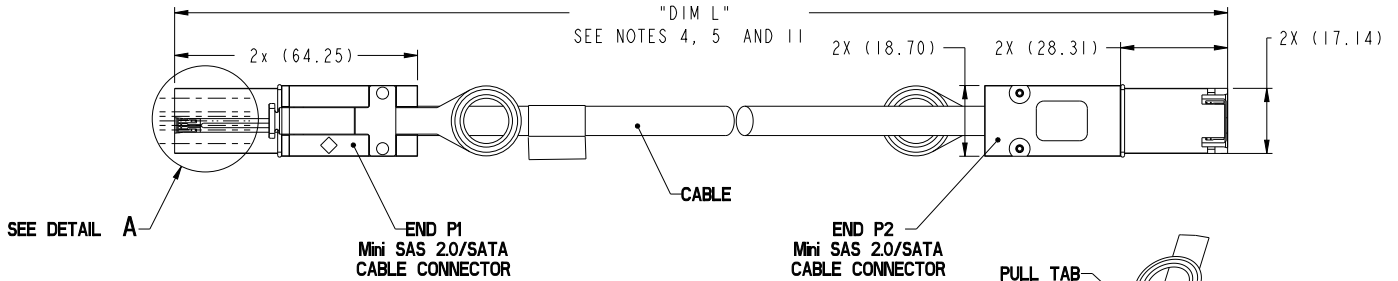
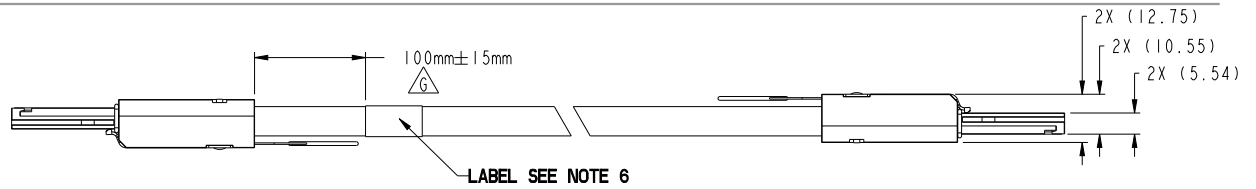
D

A

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DETAIL A
KEY SLOTS #2 & #4 SHOWN
SCALE 2:1

EMI GASKET
(HOLLOW STRUCTURE)

△F

KEYWAY

15REF.

ADD DUST COVER(NATURE COLOR)
ON EACH MINI-SAS CONNECTOR
WHEN PACKAGE FOR SHIPMENT

spec ref	---	dr	Deborah Ingram	20140901	projection	MM	size	A3	scale	1:1
tolerance std	---	eng	Tom Feng	20140902			ecn no	ELX-N-38055-1	rel level	Released
---	TOLERANCES UNLESS OTHERWISE SPECIFIED									
---	---	chr	-	-						
---	---	appr	Danby Liu	20140904	product family	CA				
surface	✓	linear	0.X	±0.3		title	FINAL ASSEMBLY - STANDARD	dwg no	10115796	rev
---	---	0.XX	±0.10							
---	---	0.XXX	±0.050							
---	---	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 6	G

Prod File - REV C - 2014-04-10

1

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PDS: Rev G

STATUS:Released

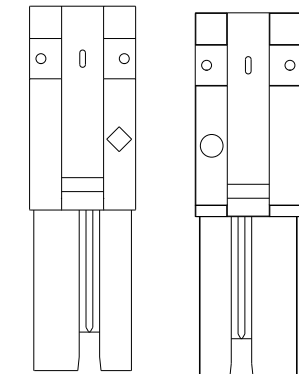
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MINI SAS 2.0

PRODUCT NUMBER SEE NOTE 4	HJAWEI PART NUMBER	DESCRIPTION	GAUGE	DM L* LENGTH	END P1 KEY SLOT	END P2 KEY SLOT	IDENTIFIER
10115796-M060002LF	/	X4 SAS CABLE ASSEMBLY	24 AWG	6M	4, 6	4, 6	SUBTRACTIVE ROUTING (IN PORT), SAS
10115796-N040002LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	4M	4, 6	4, 6	
10115796-N050002LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	5M	4, 6	4, 6	
10115796-P010002LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	1M	4, 6	4, 6	
10115796-P020002LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	2M	4, 6	4, 6	
10115796-P030002LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	3M	4, 6	4, 6	
10115796-M060003LF	/	X4 SAS CABLE ASSEMBLY	24 AWG	6M	2, 4, 6	2, 4, 6	UNIVERSAL KEY, SAS
10115796-N040003LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	4M	2, 4, 6	2, 4, 6	
10115796-N050003LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	5M	2, 4, 6	2, 4, 6	
10115796-P003803LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	0.38M	2, 4, 6	2, 4, 6	
10115796-P004003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	0.4M	2, 4, 6	2, 4, 6	
10115796-P004603LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	0.46M	2, 4, 6	2, 4, 6	
10115796-P004803LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	0.48M	2, 4, 6	2, 4, 6	
10115796-P005003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	2, 4, 6	2, 4, 6	
10115796-P010003LF	0405G002	X4 SAS CABLE ASSEMBLY	28 AWG	1M	2, 4, 6	2, 4, 6	
10115796-P015003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	1.5M	2, 4, 6	2, 4, 6	
10115796-P020003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	2M	2, 4, 6	2, 4, 6	
10115796-P025003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	2.5M	2, 4, 6	2, 4, 6	
10115796-P030003LF	0405G004	X4 SAS CABLE ASSEMBLY	28 AWG	3M	2, 4, 6	2, 4, 6	
10115796-M060006LF	/	X4 SAS CABLE ASSEMBLY	24 AWG	6M	2, 4	4, 6	SAS, TABLE ROUTING (OUT PORT), TO SUBTRACTIVE ROUTING (IN PORT)
10115796-N040006LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	4M	2, 4	4, 6	
10115796-N050006LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	5M	2, 4	4, 6	
10115796-P007106LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	0.71M	2, 4	4, 6	
10115796-P010006LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	1M	2, 4	4, 6	
10115796-P015006LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	1.5M	2, 4	4, 6	
10115796-P020006LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	2M	2, 4	4, 6	
10115796-P030006LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	3M	2, 4	4, 6	

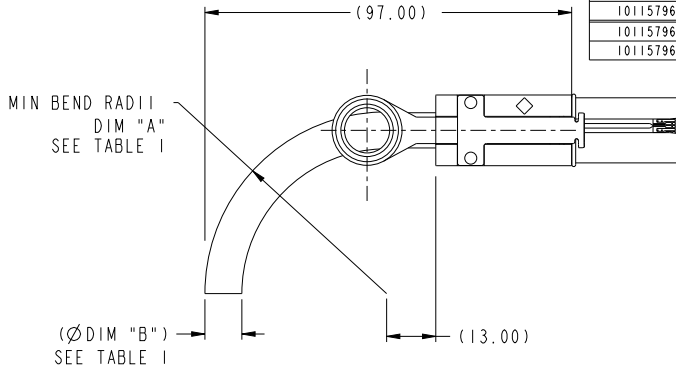
KEY SLOT 2, 4 & 6
○◇ UNIVERSAL PORTKEY SLOT 2 & 4
◇ OUT PORT
KEY SLOT 4 & 6
○ IN PORT

MINI SAS 2.0 KEYING OPTIONS

spec ref	---	dr	Deborah Ingram	20120901	projection	MM	size	A3	scale	1:1
tolerance std	---	eng	Tom Feng	20140923			ecn no	ELX-N-38025-1		
		chr	-	-			rel level	Released		
		appr	Duffy Liu	20140924	product family	C&A				
surface	✓	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050	FCI	FINAL ASSEMBLY - STANDARD	dwg no	10115796	rev	G	
	---	angular	0° ±2°	www.fci.com	Mini SAS 2.0/SATA	cat. no.		Product - Customer Drw	sheet 2 of 6	

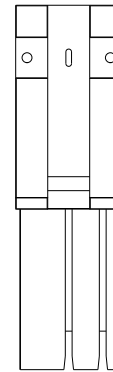
SATA

PRODUCT NUMBER SEE NOTE 4	DESCRIPTION	GAUGE	"DIM L" LENGTH	END P1 KEY SLOT	END P2 KEY SLOT	IDENTIFIER
10115796-M060004LF	X4 SATA CABLE ASSEMBLY	24 AWG	6M	1,4	1,4	X CABLE, SATA
10115796-N020004LF	X4 SATA CABLE ASSEMBLY	26 AWG	2M	1,4	1,4	
10115796-N040004LF	X4 SATA CABLE ASSEMBLY	26 AWG	4M	1,4	1,4	
10115796-N050004LF	X4 SATA CABLE ASSEMBLY	26 AWG	5M	1,4	1,4	
10115796-P010004LF	X4 SATA CABLE ASSEMBLY	28 AWG	1M	1,4	1,4	
10115796-P030004LF	X4 SATA CABLE ASSEMBLY	28 AWG	3M	1,4	1,4	M CABLE, SATA
10115796-M060005LF	X4 SATA CABLE ASSEMBLY	24 AWG	6M	7	7	
10115796-N020005LF	X4 SATA CABLE ASSEMBLY	26 AWG	2M	7	7	
10115796-N040005LF	X4 SATA CABLE ASSEMBLY	26 AWG	4M	7	7	
10115796-N050005LF	X4 SATA CABLE ASSEMBLY	26 AWG	5M	7	7	
10115796-P010005LF	X4 SATA CABLE ASSEMBLY	28 AWG	1M	7	7	
10115796-P030005LF	X4 SATA CABLE ASSEMBLY	28 AWG	3M	7	7	

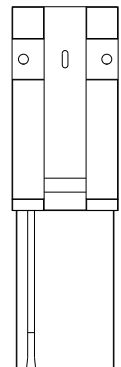


**BEND RADIUS
(24 AWG SHOWN)**

TABLE 1		
CABLE	DIM "A"	DIM "B"
24 AWG	TBD	TBD
26 AWG	TBD	TBD
28 AWG	TBD	TBD



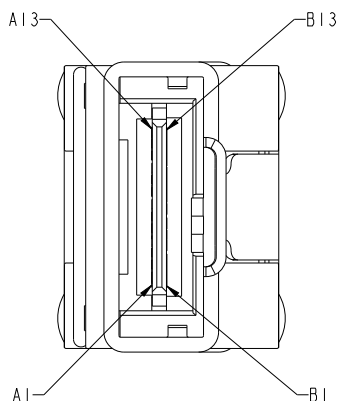
KEY SLOT 1 & 4
X CABLE, SATA



KEY SLOT 7
M CABLE, SATA

SATA KEYING OPTIONS

spec ref	---	dr	Deborah Ingram	20140901	projection	MM	size	A3	scale	1:1
tolerance std	---	eng	Tom Feng	20140902			ecn no			
		chr	-	-			rel level			
		appr	Debbie Liu	20140904	product family	C&A				
surface	✓	linear	0.X ±0.3		FCI		FINAL ASSEMBLY - STANDARD			
			0.XX ±0.10							
			0.XXX ±0.050							
		angular	0° ±2°		www.fci.com		cat. no.			
							Product - Customer Drw			
							sheet 3 of 6			



WIRING LIST SEE NOTE 7

	GND	A1	—	B1	GND
	Rx 0+	A2	←	B2	Tx 0+
	Rx 0-	A3	←	B3	Tx 0-
	GND	A4	—	B4	GND
	Rx 1+	A5	←	B5	Tx 1+
	Rx 1-	A6	←	B6	Tx 1-
	GND	A7	—	B7	GND
	Rx 2+	A8	←	B8	Tx 2+
	Rx 2-	A9	←	B9	Tx 2-
	GND	A10	—	B10	GND
	Rx 3+	A11	←	B11	Tx 3+
	Rx 3-	A12	←	B12	Tx 3-
	GND	A13	—	B13	GND
P1	GND	B1	—	A1	GND
	Tx 0+	B2	→	A2	Rx 0+
	Tx 0-	B3	→	A3	Rx 0-
	GND	B4	—	A4	GND
	Tx 1+	B5	→	A5	Rx 1+
	Tx 1-	B6	→	A6	Rx 1-
	GND	B7	—	A7	GND
	Tx 2+	B8	→	A8	Rx 2+
	Tx 2-	B9	→	A9	Rx 2-
	GND	B10	—	A10	GND
	Tx 3+	B11	→	A11	Rx 3+
	Tx 3-	B12	→	A12	Rx 3-
	GND	B13	—	A13	GND
					P2

spec ref		---	dr		Deborah Ingram	20120901	projection		MM		size	A3	scale	4:1
tolerance std		---	eng		Tom Feng	20140923			C&A	ecn no	rel level	Released	ELX-N-38015-1	
---		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-								
---		appr		Duffy Liu	20140924									
surface		✓	linear	0.X	±0.3		FINAL ASSEMBLY - STANDARD				dag no	10115796	rev	G
				0.XX	±0.10		Mini SAS 2.0/SATA							
				0.XXX	±0.050		www.fci.com							
			angular	0°	±2°	cat. no.		-	Product - Customer Drw			sheet 4 of 6		

NOTES:

- 1 - MATERIAL:
BACKSHELLS: ZINC DIECAST
PULL TAB: MOLDED THERMOPLASTIC
LATCH: STAINLESS STEEL
JET MELT: POLYAMIDE POLYMER
- 2 - ELECTRICAL PERFORMANCE PER CURRENT REVISION
OF SERIAL ATA, T10/1760-D (SAS-2 REQUIREMENTS).
- ③ - THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN
ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2011/65/EU)

4 - PART NUMBER DESCRIPTION

10115796 - X XX XX XX LF

LEAD FREE (SEE NOTE 3 AND 10)

KEY SLOT

01: KEY SLOT 2,4

02: KEY SLOT 4,6

03: KEY SLOT 2,4,6

04: KEY SLOT 1,4

05: KEY SLOT 7

06: P1= KEY SLOT 2,4 P2= KEY SLOT 4,6

LENGTH

XX= METERS, XX=CENTIMETERS

0100 = 01 METERS, 00 CENTIMETERS ("DIM L")

GAUGE

M: 24 AWG

N: 26 AWG

P: 28 AWG

- ⑤ - UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE IS TO BE:

< 1 METER = $\pm 25.0\text{mm}$

>= 1 METER TO 6 METERS = $\pm 2\%$ OF "DIM L"

spec ref		---		dr		Deborah Ingram		20120901		projection		MM		size		A3		scale		1:1					
tolerance std		---		eng		Tom Feng		20140923						ecn no		ELX-A-28255-1		rel level		Released					
---		chr		-		-																			
---		appr		Dethly Liu		20140924																			
										product family		C&A													
surface		✓		linear		0.X		±0.3				title		FINAL ASSEMBLY - STANDARD		cat. no.		Product - Customer Drw		sheet 5 of 6		rev		G	
				0.XX		±0.10																			
				0.XXX		±0.050																			
---				angular		0°		±2°		www.fci.com															

Prod File - REV C - 2010-04-09

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PDS: Rev :G

STATUS:Released

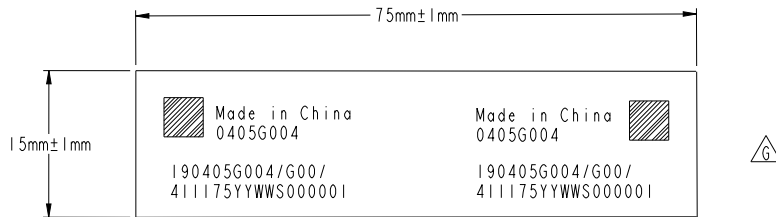
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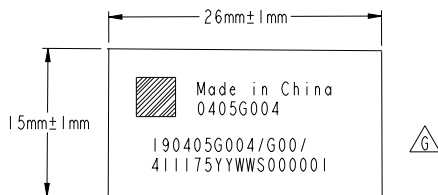
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NOTES CONTINUED:

- ⑥ - UNLESS OTHERWISE SPECIFIED LABEL POSITION IS TO BE 100mm FROM REAR OF CONNECTOR.
LABEL DETAILS:



- ⑦ - ALL CABLE ASSEMBLIES SHALL BE 100% TESTED FOR CONTINUITY AS DEFINED IN WIRING LIST.
- 8 - UNLESS OTHERWISE SPECIFIED ALL CABLE ASSEMBLIES SHALL BE 100% HI-POT TESTED BY APPLYING 300V DC FOR A MINIMUM OF 10ms, UNLESS ACTIVE COMPONENTS ARE USED IN THIS ASSEMBLY.
- 9 - OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-548.
- 10 - PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING PER SPECIFICATION GS-14-920.
PACKAGE CABLE ASSEMBLIES PER GS-14-1272.
ADD DUST COVER ON MINI-SAS CONNECTOR WHEN PACKAGE FOR SHIPMENT
NEED STICK BELOW LABEL ON PE BAG.



11. THIS DIMENSION IS A FINISHED PRODUCT LENGTH.

spec ref	---	dr	Deborah Ingram	20140901	projection	MM	size	A3	scale	1:1
tolerance std	---	eng	Tom Feng	20140902			ecm no	ELX-N-3805-1		
---		chr	-	-			rel level	Released		
---		appr	Danby Liu	20140904	product family	C&A				
surface	✓	linear	0.X	±0.3	FCI	FINAL ASSEMBLY - STANDARD	dwg no	10115796	rev	
			0.XX	±0.10						
			0.XXX	±0.050						
---		angular	0°	±2°	www.fci.com	cat. no.				

Prod File - REV C - 2009-04-09

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PDS: Rev G

STATUS: Released

Printed: Sep 24, 2014

sheet 6 of 6