

Excellent Integrated System Limited

Stocking Distributor

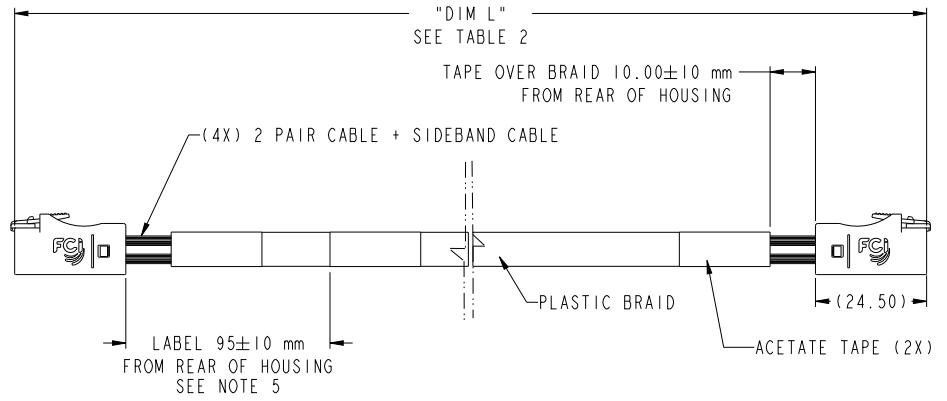
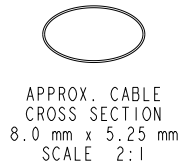
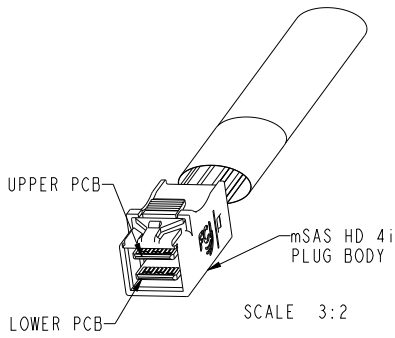
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10120087-2050LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

FCI PART NUMBER	DESCRIPTION	NOTES
10120087-XXXXLF	CONTROLLER TO CONTROLLER CONFIGURATION	SEE TABLE 1



spec ref	-	dr	David Lind	201200216	projection	mm	size	A3	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Jeanie Gu	201309016			ecm no		rel level	Released
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Kenneth Bai	201309016						
		appr	Roger Cheng	201309016			product family	-		
surface	linear	0.X	±0.3				cat. no.			
		0.XX	±0.10							
		0.XXX	±0.005							
ISO 1302	angular	0°	±2°							



title mSAS HD INTERNAL (4i)
CABLE ASSEMBLY- 12 Gb/s

dwg no 10120087

rev C

FCI PART NUMBER	DESCRIPTION	NOTES
10120087-XXXXLF	CONTROLLER TO CONTROLLER CONFIGURATION	SEE TABLE 1

TABLE 2- CABLE PART NUMBER LIST			
PART NUMBER	"DIM L" CABLE LENGTH (METERS)	AWG	NOTES
10120087-2030LF	0.3	30	CONTROLLER TO CONTROLLER WIRING CONFIGURATION (SHEET 2) ---- (SEE SHEET 4 FOR ALL NOTES)
10120087-2040LF	0.4	30	
10120087-2050LF	0.5	30	
10120087-2060LF	0.6	30	
10120087-2070LF	0.7	30	
10120087-2080LF	0.8	30	
10120087-2090LF	0.9	30	
10120087-2100LF	1.0	30	

NOTE:

- ALL CABLE PERFORMANCE COMPLIANCE SAS3.0 $\triangle$
- CABLE MORE THAN 1.0 METER COULD NOT MEET SAS3.0 INSERTION LOSS -11dB MAX. $\triangle$

spec ref		-		dr		David Lind		201200756		projection		mm		size		A3		scale		1:1	
tolerance std		ISO 406		eng		Jessica Gu		201309516						ecn no		ELX-N-54785-1					
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Kenneth Bai		201309516						rel level		Released					
				appr		Roger Cheng		201309516		product family				-							
surface		✓		linear				mSAS HD INTERNAL (4i)		CABLE ASSEMBLY- 12 Gb/s		dwg no		10120087		rev		C			
		0.X		±0.3																	
		0.XX		±0.10																	
				0.XXX		±0.005															
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 4					

Print Date - REV C - 2009-04-09

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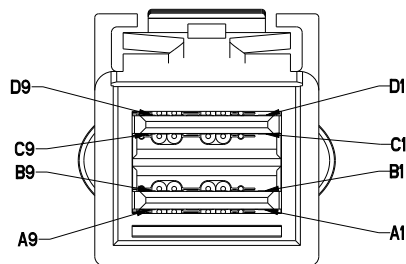
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STATUS: Released

Printed: May 17, 2013

FCI PART NUMBER	DESCRIPTION	NOTES
10120087-XXXXLF	CONTROLLER TO CONTROLLER CONFIGURATION	SEE TABLE 1



SCALE 5:1

LEGEND



HIGH-SPEED SERIAL DIFFERENTIAL PAIRS



SIGNAL RETURN



SIDEBAND SIGNAL

WIRING LIST (CONTROLLER TO CONTROLLER)

END P1 (CONTROLLER)		END P2 (CONTROLLER)	
POSITION	SYMBOL	POSITION	SYMBOL
D9	GROUND	B9	GROUND
D8	Tx2-	B8	Rx2-
D7	Tx2+	B7	Rx2+
D6	GROUND	B6	GROUND
D5	Tx0-	B5	Rx0-
D4	Tx0+	B4	Rx0+
D3	GROUND	B3	GROUND
D2	SIDEBAND 6	B2	SIDEBAND 1
D1	SIDEBAND 5	C2	SIDEBAND 2
C1	SIDEBAND 4	B1	SIDEBAND 3
C2	SIDEBAND 2	D1	SIDEBAND 5
C3	GROUND	A3	GROUND
C4	Tx1+	A4	Rx1+
C5	Tx1-	A5	Rx1-
C6	GROUND	A6	GROUND
C7	Tx3+	A7	Rx3+
C8	Tx3-	A8	Rx3-
C9	GROUND	A9	GROUND
B9	GROUND	D9	GROUND
B8	Rx2-	D8	Tx2-
B7	Rx2+	D7	Tx2+
B6	GROUND	D6	GROUND
B5	Rx0-	D5	Tx0-
B4	Rx0+	D4	Tx0+
B3	GROUND	D3	GROUND
B2	SIDEBAND 1	D2	SIDEBAND 6
B1	SIDEBAND 3	C1	SIDEBAND 4
A1	SIDEBAND 7	A2	SIDEBAND 0
A2	SIDEBAND 0	A1	SIDEBAND 7
A3	GROUND	C3	GROUND
A4	Rx1+	C4	Tx1+
A5	Rx1-	C5	Tx1-
A6	GROUND	C6	GROUND
A7	Rx3+	C7	Tx3+
A8	Rx3-	C8	Tx3-
A9	GROUND	C9	GROUND

spec ref	-	dr	David Lind	20120016	projection		mm	size	A3	scale	2:1						
tolerance std	ISO 406	eng	Jason Gu	20130516				ecn no	-	rel level	Released						
ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			chr								Kenneth Bai	20130516				
		appr	Roger Cheng	20130516	product family		-										
surface		linear	<table><tr><td>0.X</td><td>±0.3</td></tr><tr><td>0.XX</td><td>±0.10</td></tr><tr><td>0.XXX</td><td>±0.005</td></tr></table>	0.X	±0.3	0.XX	±0.10	0.XXX	±0.005		title		mSAS HD INTERNAL (4i)		10120087	rev	C
0.X	±0.3																
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ISO 1302	angular	0°	±2°														
		www.fci.com		cat. no.	-	Product - Customer Drw		sheet 3 of 4									

FCI PART NUMBER	DESCRIPTION	NOTES
10120087-XXXXLF	CONTROLLER TO CONTROLLER CONFIGURATION	SEE TABLE 1

NOTES:

1. MATERIAL:

HOUSINGS: MODIFIED POLYPHENYLENE ETHER
PADDLE CARD: PRINTED CIRCUIT SUBSTRATE
HEAT SHRINK TUBE: POLYOLEFIN
EPOXY LOCTITE

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"

5. UNLESS OTHERWISE SPECIFIED LABEL POSITION IS TO BE 95mm FROM REAR OF PI CONNECTOR.

LABEL DETAILS:

MANUFACTURER CODE OR NAME COUNTRY OF ORIGIN

CUSTOMER P/N OR FCI P/N

REVISION

DATE CODE (YYYY/MM/DD FORMAT) - 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. ALL CABLE ASSEMBLIES SHALL BE 100% HI-POT TESTED BY APPLYING 300V DC FOR A MINIMUM OF 10ms.

8. IMPEDANCE: 100 Ω DIFFERENTIAL.

9. OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-650.

10. PACKAGE AND LABEL CABLE ASSEMBLIES PER GS-14-1272.

11. A " $\triangle$ " 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.

12. "HLF" PRODUCT NUMBERS DESIGNATE THE USE OF HALOGEN FREE RAW CABLE.

13. HALOGEN FREE RAW CABLE CAN BE USED AS A SUBSTITUTE ON NON-HF PRODUCT NUMBERS.

14. PART NUMBER/SUPPLIER SUBSTITUTION IS NOT ALLOWED.

15. THIS PRODUCT CONFORMS TO THE MECHANICAL DIMENSIONING AND ELECTRICAL REQUIREMENTS OF THE SFF-8643 SPECIFICATION.



spec ref	-	dr	David Lind	201200756	projection		mm	size	A3	scale	2:1							
tolerance std	ISO 406 ISO 1101	eng	Jessie Gu	201309516				ecn no	ELN-A-54785-1									
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Kenneth Bai	201309516	product family		-	rel level	Released									
		appr	Roger Cheng	201309516														
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ISO 1302	angular	0°	±2°	www.fci.com		cat. no.		-	Product - Customer Drw	sheet 4 of 4								

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