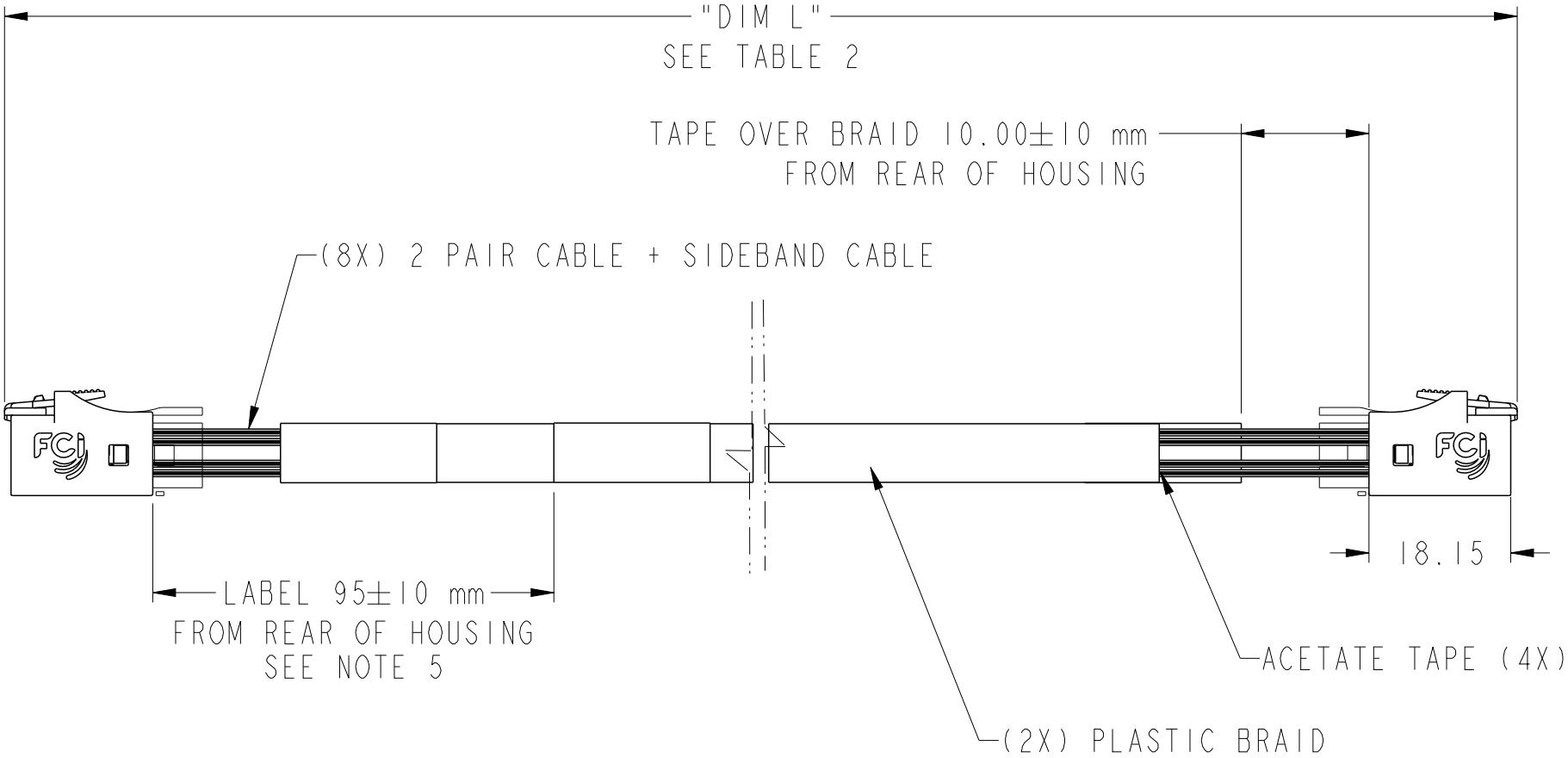
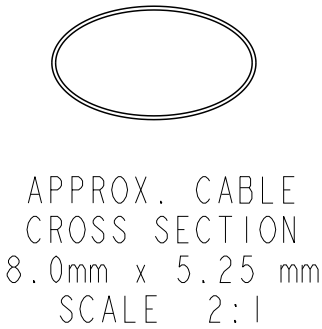
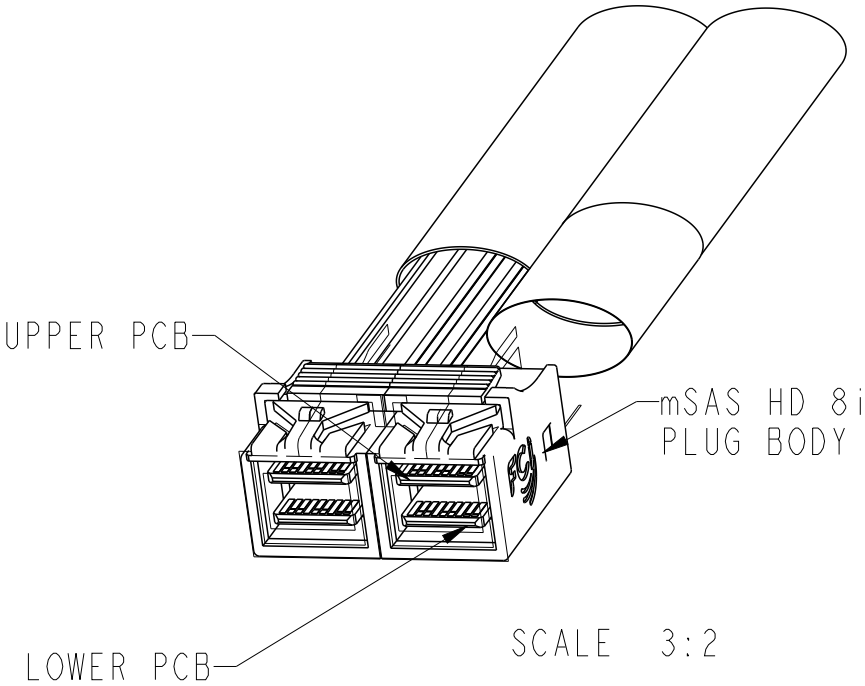


FCI PART NUMBER	DESCRIPTION	NOTES
10126495-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE 1



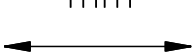
spec ref		-		dr		Jason Gu		2013/10/24		projection				mm				size		A3		scale		1:1																							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Jason Gu		2013/10/28		ecn no ELX-N-16158-1																																			
ISO 406						chr		-		-																																					
ISO 1101						appr		Roger Cheng		2013/10/30												product family										-										rel level					
surface				linear		0.X		±0.3				title		mSAS HD INTERNAL (8i)										dwg no		10126495										rev		B									
																																								0.XX		±0.10					
																																								0.XXX		±0.005					
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw										sheet 1 of 4																							

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FCI PART NUMBER	DESCRIPTION	NOTES
10126495-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE 1

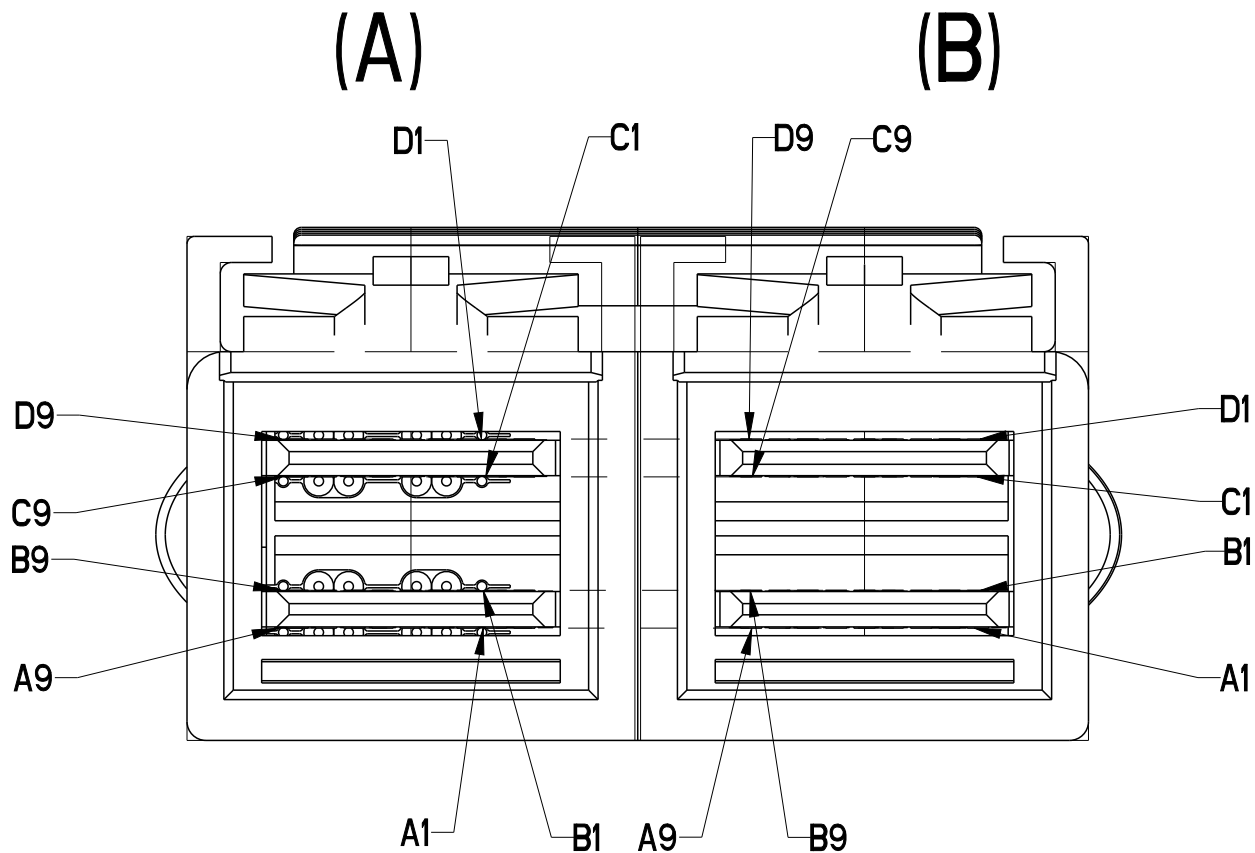
TABLE 1 - CABLE PART NUMBER LIST			
PART NUMBER	"DIM L" CABLE LENGTH (METERS)	AWG	NOTES
10126495-2030LF	0.3	30	CONTROLLER TO BACKPLANE WIRING CONFIGURATION (SHEET 2) ----- (SEE SHEET 3 FOR ALL NOTES)
10126495-2040LF	0.4	30	
10126495-2050LF	0.5	30	
10126495-2060LF	0.6	30	
10126495-2070LF	0.7	30	
10126495-2080LF	0.8	30	
10126495-2090LF	0.9	30	
10126495-2100LF	1.0	30	

NOTE:
1. ALL CABLE PERFORMANCE COMPLIANT SAS3.0
2. CABLE MORE THAN 1M COULD NOT MEET INSERTION LOSS -11dB MAX.

spec ref		-		dr	Jason Gu	2013/10/24	projection 	mm 	size	A3	scale	1:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Jason Gu	2013/10/28			ecn no				ELX-N-16158-1
				chr	-	-			rel level				Released
				appr	Roger Cheng	2013/10/30	product family		-				
surface - / ✓ ISO 1302	linear	0.X	±0.3		title	mSAS HD INTERNAL (8i) CABLE ASSEMBLY- 12 Gb/s			dwg no	10126495		rev B	
		0.XX	±0.10										
		0.XXX	±0.005										
				angular	0°	±2°	www.fci.com		cat. no.	-	Product - Customer Drw		sheet 2 of 4

FCI PART NUMBER	DESCRIPTION	NOTES
10126495-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE 1

P1-(A) TO P2-(A)
P1-(B) TO P2-(B)



SCALE 5:1

LEGEND	
	HIGH-SPEED SERIAL DIFFERENTIAL PAIRS
	SIGNAL RETURN
	SIDEBAND SIGNAL

WIRING LIST (CONTROLLER TO BACKPLANE)				
END P1 A/B (CONTROLLER)			END P2 A/B (BACKPLANE)	
POSITION	SYMBOL		POSITION	SYMBOL
D9	GROUND	-----	B9	GROUND
D8	T _x 2-		B8	R _x 2-
D7	T _x 2+		B7	R _x 2+
D6	GROUND	-----	B6	GROUND
D5	T _x 0-		B5	R _x 0-
D4	T _x 0+		B4	R _x 0+
D3	GROUND	-----	B3	GROUND
D2	SIDEBAND 6		D1	SIDEBAND 6
D1	SIDEBAND 5		D2	SIDEBAND 5
C1	SIDEBAND 4		C2	SIDEBAND 4
C2	SIDEBAND 2		C1	SIDEBAND 2
C3	GROUND	-----	A3	GROUND
C4	T _x 1+		A4	R _x 1+
C5	T _x 1-		A5	R _x 1-
C6	GROUND	-----	A6	GROUND
C7	T _x 3+		A7	R _x 3+
C8	T _x 3-		A8	R _x 3-
C9	GROUND	-----	A9	GROUND
B9	GROUND	-----	D9	GROUND
B8	R _x 2-		D8	T _x 2-
B7	R _x 2+		D7	T _x 2+
B6	GROUND	-----	D6	GROUND
B5	R _x 0-		D5	T _x 0-
B4	R _x 0+		D4	T _x 0+
B3	GROUND	-----	D3	GROUND
B2	SIDEBAND 1		B1	SIDEBAND 1
B1	SIDEBAND 3		B2	SIDEBAND 3
A1	SIDEBAND 7		A2	SIDEBAND 7
A2	SIDEBAND 0		A1	SIDEBAND 0
A3	GROUND	-----	C3	GROUND
A4	R _x 1+		C4	T _x 1+
A5	R _x 1-		C5	T _x 1-
A6	GROUND	-----	C6	GROUND
A7	R _x 3+		C7	T _x 3+
A8	R _x 3-		C8	T _x 3-
A9	GROUND	-----	C9	GROUND

spec ref		-		dr		Jason Gu		2013/10/24		projection		mm		size		A3		scale		2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Jason Gu		2013/10/28						ecn no		ELX-N-16158-1					
ISO 406				chr		-		-													
ISO 1101				appr		Roger Cheng		2013/10/30						product family		-		rel level		Released	
surface		linear		0.X		±0.3				title		mSAS HD INTERNAL (8i)		dwg no		10126495		rev		B	
				0.XX		±0.10															
				0.XXX		±0.005															
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 3 of 4					

- 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 = ±15mm
"DIM L" 1 METER TO 10 METERS = ± 2% OF "DIM L"
5. UNLESS OTHERWISE SPECIFIED LABEL POSITION IS TO BE 95mm FROM REAR OF PI CONNECTOR.
LABEL DETAILS:
FCI CHINA
FCI P/N
REVISION
SN: CNYWWDN * * * #####
(the first ** present cable length, eg:03--0.3m, 04--0.4m...)
(the 2nd * present cable wire guage, eg:2--30awg)
(the 3th * present L--lead free or H--halongen free .)
(the #### present serial number, eg: 0001, 0002...)
- 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 BH APPLYING 300V DC FOR A MINUMUM OF 10ms.
8. IMPEDANCE: 100Ω 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 "△" 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 Jason Gu 2013/10/24		projection 	mm 	size A3	scale 2:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Jason Gu 2013/10/28				ecn no ELX-N-16158-1	
				chr - -				rel level Released	
				appr Roger Cheng 2013/10/30		product family -			
surface	linear	0.X	±0.3		title mSAS HD INTERNAL (8i) CABLE ASSEMBLY- 12 Gb/s		dwg no 10126495	rev B	
		0.XX	±0.10						
		0.XXX	±0.005						
ISO 1302	angular	0°	±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 4 of 4	

Mouser Electronics

Authorized Distributor

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[10126495-2100LF](#) [10126495-2040LF](#)