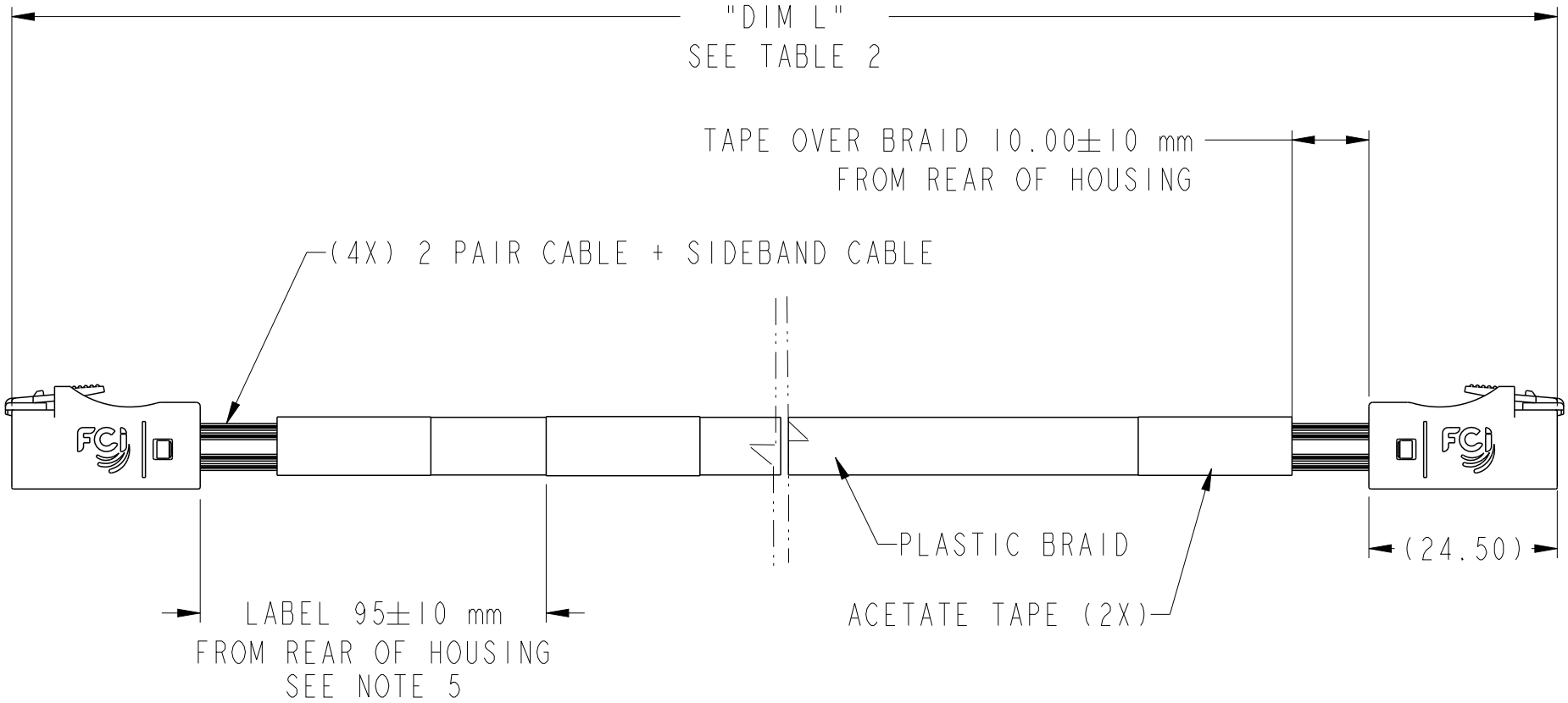
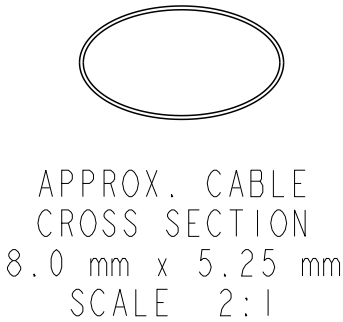
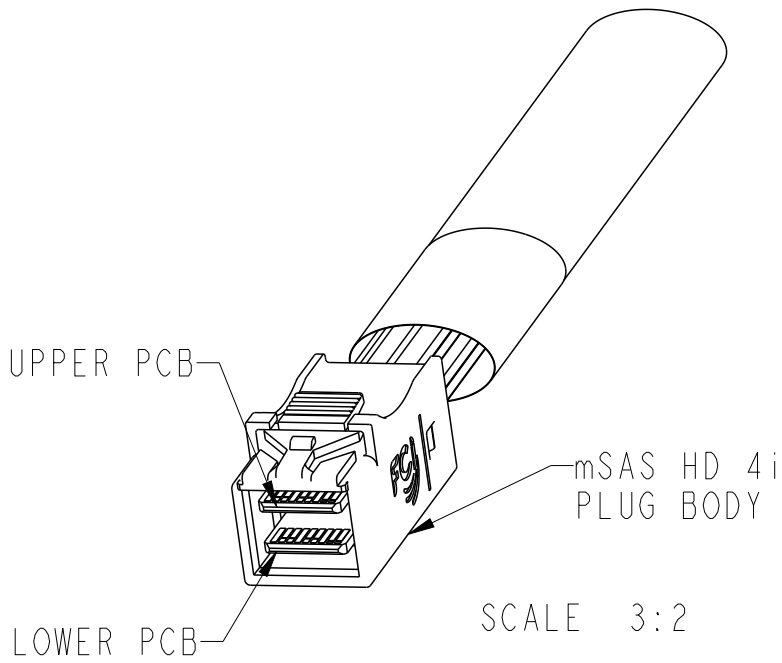


FCI PART NUMBER	DESCRIPTION	NOTES
10119217-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE 1



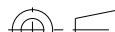
spec ref		-		dr	David Lord	2011/12/14	projection 	mm 	size	A3	scale	1:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Jason Gu	2013/05/16			ecn no				ELX-N-14778-1
				chr	Kevin Bai	2013/05/16			rel level				Released
				appr	Roger Cheng	2013/05/16	product family		-				
surface  ISO 1302	linear	0.X	±0.3		title	mSAS HD INTERNAL (4i) CABLE ASSEMBLY- 12 Gb/s			dwg no	10119217		rev D	
		0.XX	±0.10										
		0.XXX	±0.005										
angular		0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 1 of 4		

FCI PART NUMBER	DESCRIPTION	NOTES
10119217-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE 1

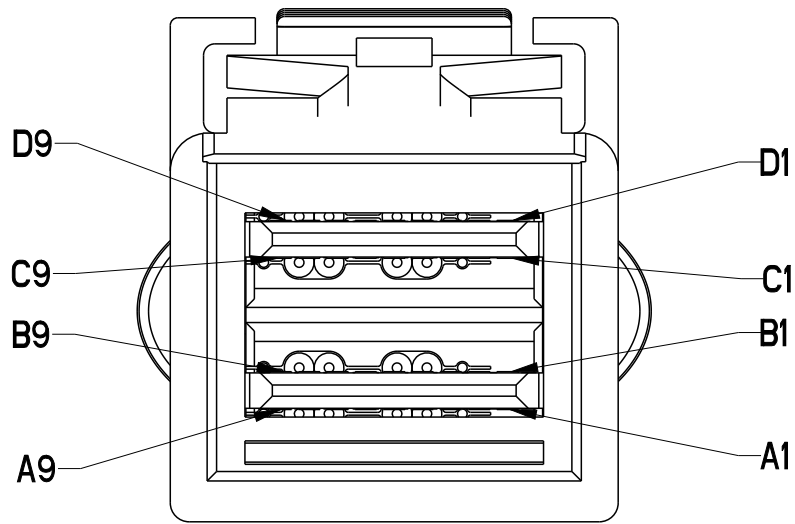
TABLE 2- CABLE PART NUMBER LIST

PART NUMBER	"DIM L" CABLE LENGTH (METERS)	AWG	NOTES
10119217-2030LF	0.3	30	CONTROLLER TO BACKPLANE WIRING CONFIGURATION (SHEET 2) ----- (SEE SHEET 4 FOR ALL NOTES)
10119217-2040LF	0.4	30	
10119217-2050LF	0.5	30	
10119217-2060LF	0.6	30	
10119217-2070LF	0.7	30	
10119217-2080LF	0.8	30	
10119217-2090LF	0.9	30	
10119217-2100LF	1.0	30	
10119217-2125LF	1.25	30	

NOTE:
1. ALL CABLE PERFORMANCE COMPLIANCE SAS3.0 
2. CABLE MORE THAN 1.0 METER COULD NOT MEET SAS3.0 INSERTION LOSS -11dB MAX. 

spec ref		-		dr		David Lord		2011/12/14		projection				mm		size		A3		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Jason Gu		2013/05/16				ecn no		ELX-N-14778-1							
ISO 406						chr		Kevin Bai		2013/05/16													
ISO 1101						appr		Roger Cheng		2013/05/16						product family		-		rel level		Released	
surface 		linear		0.X		±0.3				title		mSAS HD INTERNAL (4i)		dwg no		10119217		rev		D			
				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							

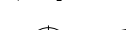
FCI PART NUMBER	DESCRIPTION	NOTES
10119217-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE 1



SCALE 5:1

LEGEND	
	HIGH-SPEED SERIAL DIFFERENTIAL PAIRS
	SIGNAL RETURN
	SIDEBAND SIGNAL

WIRING LIST (CONTROLLER TO BACKPLANE)				
END P1 (CONTROLLER)			END P2 (BACKPLANE)	
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		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	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		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	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 Lord		2011/12/14		projection				mm		size		A3		scale		2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Jason Gu		2013/05/16						ecn no		ELX-N-14778-1							
ISO 406				chr		Kevin Bai		2013/05/16															
ISO 1101				appr		Roger Cheng		2013/05/16								product family						-	
surface				linear		0.X		±0.3				title		mSAS HD INTERNAL (4i)		dwg no		10119217		rev		D	
						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							

FCI PART NUMBER	DESCRIPTION	NOTES
10119217-XXXXLF	CONTROLLER TO BACKPLANE 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 = ±25mm
"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:
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 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	David Lord	2011/12/14		mm		size	A3	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Jason Gu	2013/05/16				ecn no	ELX-N-14778-1			
				chr	Kevin Bai	2013/05/16								
ISO 406				appr	Roger Cheng	2013/05/16	product family			-	rel level			Released
ISO 1101					title	mSAS HD INTERNAL (4i)			dwg no	10119217			rev	D
surface	linear	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 4 of 4				