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FCI PART NUMBER	DESCRIPTION	NOTES
10119312-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE I

А

TABLE 1 - CABLE PART NUMBER LIST									
PART NUMBER	´´DIM L´´ CABLE LENGTH (METERS)	AWG	NOTES						
10119312-2030LF	0.3	30	CONTROLLER TO BACKPLANE						
10119312-2040LF	0.4	30	WIRING CONFIGURATION						
10119312-2050LF	0.5	30							
10119312-2060LF	0.6	30	(SEE SHEET 3						
10119312-2070LF	0.7	30	FOR ALL NOTES)						
10119312-2080LF	0.8	30							
10119312-2090LF	0.9	30							
10119312-2100LF	Ι.Ο	30							
10119312-2200LF	2.0	30							

*NOTE:

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ALL CABLE COMPLIANCE SAS2.I.
 CABLE MORE THAN I.0 METER COULD NOT MEET SAS2.I INSERTION LOSS -6dB MAX.

spec ref	-			dr	David Lord		2012/0	02/16		proje	ection
tolerance std				eng	Ya Li		2015/0	04/28			$ \frown $
ISO 406	TOLERANCES U OTHERWISE SPE				-		-			\square	
ISO 0				appr	Delhly Liu		2015/0	04/28		product	famil
		0.X	±0.3	ſ		• ~	C V C	Пυ	ТИТ	ERNAL	()
surface/	linear	0.XX	\pm 0 . I 0			 + :	SAS	пυ			_ (4
\vee		0.XXX	\pm 0.005		Y	+ C/	AB L E	ASSEM	IBLY-	6 Gb/s	5
ISO I302	angular	0°	±2°	www.	.fci.com	cat.	no.			-	
2							2	PD	S: Rev :		
L							0	PD.	S. Rev	.0	

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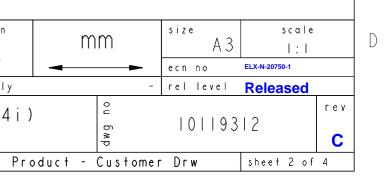


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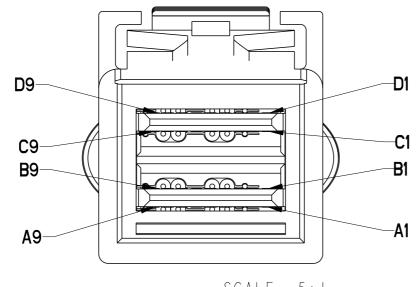
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FCI PART NUMBER	DESCRIPTION	NOTES
10119312-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE I

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SCA

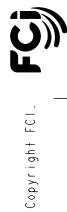
LEGE	IND
	HIGH-SPEED SERIAL DIFFERENTIAL PAIRS
	SIGNAL RETURN
\diamond \diamond	SIDEBAND SIGNAL

3				4	
	WIRING LIST (C	ONTROLLER			
	· · · ·		END P2		
			POSITIONB 9	SYMBOL	
D 9 D 8	GROUND			GROUND	
D 7	T x 2 -			R x 2 -	
D 7 D 6	Т х 2 +		- B6	$R_{X}2+$	
D 0	GROUND		- B5	GROUND	
D 3	T x 0 -	+	- B4	R x O -	
D 4	$T \times 0 +$		- B3	$R \times 0 +$	
D 3	GROUND	Z		GROUND	
	SIDEBAND 6			SIDEBAND 6	
D I C I	SIDEBAND 5		> D2 > C2	SIDEBAND 5	
	SIDEBAND 4			SIDEBAND 4	
C 2	SIDEBAND 2		> C	SIDEBAND 2	
C 3	GROUND		- <u>A3</u>	GROUND	
C 4	<u> </u>		,,,,,		
C 5	ΤχΙ-		,,,,,	R x I -	
C 6	GROUND		- <u>A6</u>	GROUND	
C 7	T x 3 +			R x 3 +	
<u>C8</u>	Тх3-		110	R x 3 -	
<u>C9</u>	GROUND		- <u>A9</u>	GROUND	
<u>B9</u>	GROUND	·····	- <u>D9</u>	GROUND	
<u>B8</u>	R x 2 -		- <u>D8</u>	Тх2-	
B7	R x 2 +		- D7	Т х 2 +	
B 6	GROUND		- D6	GROUND	
B 5	R x 0 -	(-)	- D 5	Тх0-	
B 4	R x 0 +		- D 4	Τ x O +	
B 3	GROUND		- D 3	GROUND	
B 2	SIDEBAND I			SIDEBAND I	
BI	SIDEBAND 3		> B2	SIDEBAND 3	
AI	SIDEBAND 7		> A2	SIDEBAND 7	
A 2	SIDEBAND O		> A I	SIDEBAND O	
A 3	GROUND		- C 3	GROUND	
A 4	R x +		- C 4	⊤ χ +	
A 5	RxI-		- C 5	T x -	
A 6	GROUND		- C 6	GROUND	
A 7	R x 3 +		- C7	Тх3+	
A 8	R x 3 -		- C8	Тх3-	
A 9	GROUND		- C 9	GROUND	
rd 201	<mark>//02/16</mark> proje	ection		size scale	<u></u>
201	i/04/28		mm	A 3 2:1	
-	\square			ecn no ELX-N-20750-1	
	product	family	-	rel level Released	
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·	ASSEMBLY- 6 Gb/s	,	d × g	V JJ L	C
om cat. no.			ct - Customei	r Drw sheet 3 of	

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	3			4				
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D7 Tx2+ Urinter 57 Rx2+ D6 GROUND		D8	T x 2 -		B8	R x 2 -			
D6 GROUND H6 H6 GROUND H6		D 7			В7				
D5 1x0 0		D 6			B 6		A		
D4 Tx 0+ D B4 Fx 0+ D3 GROUND D3 CROUND D3 CROUND D1 SIDEBAND 6 0 D1 SIDEBAND 5 0 C2 SIDEBAND 5 C1 SIDEBAND 2 0 C1 SIDEBAND 2 0 C1 SIDEBAND 2 0 C1 SIDEBAND 2 C1 SIDEBAND 2 0 C1 SIDEBAND 2 0 C1 SIDEBAND 2 C2 SIDEBAND 2 0 C1 SIDEBAND 2 0 C1 SIDEBAND 2 C3 GROUND									
D3 GROUND GROUND G3 GROUND D2 SUDLEAND 5 C D1 STOPPAND 5 D2 SUDLEAND 5 C D2 STOPPAND 5 C1 STOPPAND 5 C D2 STOPPAND 5 C2 STOPPAND 2 C STOPPAND 2 C3 GROUND A3 CROUND A3 CROUND 2 C4 Tx1+ A1 Rx1+ C C STOPPAND 2 C4 Tx1+ A1 Rx1+ C C STOPPAND 2 C6 GROUND C A3 CROUND A6 RX0+ C4 Tx1+ A1 Fixal Rx2+ Fixal Rx3+ C6 GROUND C A3 CROUND B7 Rx2+ C6 GROUND C A1 STOPPAND 7 C A1 STOPPAND 7 B3 GROUND C STOPPAND 7 A1 STOPPAND 7 A1 STOPPAND 7 B4 Rx0+ C3 STOPPAND 7 A1 STOPPAND 7 A1<				-\- />					
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C1 SIDEBAND 4 C2 SIDEBAND 2 C2 SIDEBAND 2 C1 SIDEBAND 2 C3 GROUND A1 C1 SIDEBAND 2 C4 1x1+ C1 SIDEBAND 2 A1 C6 GROUND A4 Rx1+ C5 Tx1- C6 GROUND A1 C6 GROUND A1 Rx31 C1 Tx31 C1 Tx32 C1 Rx31 Rx31 C6 GROUND GROUND A6 Rx31 Rx31 Rx31 Rx31 C8 Tx3- C1 Tx31 C1 Tx2- A6 Rx31 C9 GROUND C9 GROUND D9 GROUND B6 GROUND B7 Rx2+ C1 Tx2+ B6 GROUND B7 B7 C1 Tx2+ D7 Tx2+									
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D9 GROUND D9 GROUND B8 Rx2- D8 Tx2- B7 Rx21 D7 Tx21 B6 GROUND D5 Tx0- B1 SIDEBAND 1 D4 Tx0- B1 SIDEBAND 3 D4 B1 B2 SIDEBAND 7 D4 SIDEBAND 7 A2 SIDEBAND 7 D4 A1 A1 SIDEBAND 7 D4 A2 A3 GROUND C3 GROUND A4 Rx1- C5 Tx1- A6 GROUND C5 Tx1- A6 GROUND C6 GROUND A7 Rx3- C7 Tx3- A8 GROUND C8 Tx3- A9 GROUND C8 <td< td=""><td>ALE 5:I</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	ALE 5:I								
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D B5 Rx0- →→→ D5 Tx0- HIGH-SPEED SERIAL DIFFERENTIAL PAIRS B3 GROUND D3 GROUND A2 SIDEBAND 0 A2 SIDEBAND 0 A4 Rx1+ A2 SIDEBAND 0 A3 GROUND A3 GROUND A3 GROUND A3 <									
B4 Rx0+ Image: Construction of the second seco				\land					
HIGH-SPEED SERIAL DIFFERENTIAL PAIRS B3 GROUND D3 GROUND B1 SIDEBAND 1 SIDEBAND 3 B2 SIDEBAND 3 B2 SIDEBAND 3 A1 SIDEBAND 7 A2 SIDEBAND 7 A2 SIDEBAND 7 A2 SIDEBAND 0 A1 SIDEBAND 0 A2 SIDEBAND 0 A3 GROUND GROUND C3 GROUND A4 Rx1+ C4 Tx1+ A5 Rx3+ C7 Tx3+ A6 GROUND C6 GROUND A7 Rx3+ C7 Tx3+ A9 GROUND GROUND Size Scale Iso 406 OTHERWISE SPECIFIED Group formula projection MM Size Scale surface Incer 0.xx ±0.005 FFF misses product family - relievel Released rev Sol 1302 onyutar C CABLE ASSEMBLY- 6 Gb/s Product - Customer Drw sheet 3 of 4	JD			<u> </u>					
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BI SIGNAL RETURN SIGNAL RETURN SIGNAL RETURN SIDEBAND SIGNAL BI SIDEBAND 3 A1 SIDEBAND 7 A2 SIDEBAND 7 A2 SIDEBAND 7 A3 GROUND A4 Rx1+ A5 Rx1- A6 GROUND A7 Rx3+ A8 Rx3- A9 GROUND SIDEBAND Size Size						GROUND			
SIGNAL RETURN SIGNAL RETURN SIGNAL RETURN SIDEBAND SIGNAL SIDEBAND SIGNAL A1 SIDEBAND O A2 SIDEBAND O A3 GROUND A4 Rx1+ A5 Rx1- A6 GROUND A7 Rx3+ A8 Rx3- A9 GROUND SIDEBAND O A7 Rx3+ A8 Rx3- A9 GROUND SIDEBAND OF C9 GROUND Size A3 B0 Size Size A8 Rx3- A9 GROUND Size Size Size Size Size Size Size Size Size	DIFFERENTIAL PAIRS		SIDEBAND I			SIDEBAND I			
$\frac{A2}{SIDEBAND O} \xrightarrow{\circ} \xrightarrow{\circ} A1 SIDEBAND O}{A3 GROUND}$ $\frac{A2}{SIDEBAND O} \xrightarrow{\circ} \xrightarrow{\circ} A1 SIDEBAND O}{A3 GROUND}$ $\frac{A4}{Rx1+} \xrightarrow{\circ} \xrightarrow{\circ} C3 GROUND}{A4 Rx1+} \xrightarrow{\circ} C4 Tx1+}$ $\frac{A5}{Rx1-} \xrightarrow{\circ} C5 Tx1-}$ $\frac{A6}{A6 GROUND} \xrightarrow{\circ} C7 Tx3+}$ $\frac{A8}{A8 Rx3-} \xrightarrow{\circ} C7 Tx3+}$ $\frac{A8}{A9 GROUND} \xrightarrow{\circ} C9 GROUND}$ $\frac{size}{A3 x^{2}}$ $\frac{1101}{O} \xrightarrow{\circ} xxx \pm 0.100}$ $\frac{1101}{O,xxx \pm 0.100}$ $\frac{O,xx \pm 0.3}{O,xxx \pm 0.005}$ $\frac{O}{x^{2}} \xrightarrow{\circ} BAS HD INTERNAL (4i)$ $\frac{O}{x^{2}} \xrightarrow{\circ} Basta A A A A A A A A A A A A A A A A A A A$			SIDEBAND 3			SIDEBAND 3			
$\frac{A2}{SIDEBAND SIGNAL}$ $\frac{A2}{SIDEBAND O} \xrightarrow{A1} SIDEBAND O}{A3} \xrightarrow{A1} SIDEBAND O} \xrightarrow{A1} SIDEBAND O}$	SIGNAL RETURN		SIDEBAND 7			SIDEBAND 7			
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	SIDEBAND SIGNAL	A 4	R x +			⊤χ +			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	OT DEDAND OT ONAL	A 5	RxI-	$\square \square $	C 5	ΤχΙ-			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		A 6	GROUND		C 6	GROUND			
A9 GROUND C9 GROUND spec ref - C9 GROUND tolerance std TOLERANCES UNLESS OTHERWISE SPECIFIED eng vali 201202/16 projection MM size scale 2:1 ISO 406 TOLERANCES UNLESS OTHERWISE SPECIFIED eng vali 201500/28 product family rel level Released 2:1 C surface - 0.XX ± 0.10 FSS = mSAS HD INTERNAL (4i) = = rev C ISO 1302 angular 0° ±2° www.fci.com cat. no. - Product - Customer Drw sheet 3 of 4		A 7	R x 3 +	<	C 7	Тх3+			
spec ref - dr bavid Lord 201202/16 projection MM size scale D tolerance std TOLERANCES UNLESS OTHERWISE SPECIFIED eng vali 201504/28 projection MM A3 2:1 ecn no ELXN-20750-1 ecn no ELXN-20750-1 ecn no ELXN-20750-1 rel level Released rev rev rev chr chr </td <td></td> <td>A 8</td> <td>R x 3 -</td> <td><</td> <td>C 8</td> <td>Тх3-</td> <td></td>		A 8	R x 3 -	<	C 8	Тх3-			
tolerance std ISO 406 ISO 1101 TOLERANCES UNLESS OTHERWISE SPECIFIED eng YaLi 2015/04/28 Image: Chr ecn no ELX-N-20750-1 surface - - - - - - - ecn no ELX-N-20750-1 surface - - - - - - - ecn no ELX-N-20750-1 surface - <td< td=""><td></td><td>A 9</td><td>GROUND</td><td></td><td>C 9</td><td>GROUND</td><td></td></td<>		A 9	GROUND		C 9	GROUND			
tolerance std ISO 406 ISO 1101 TOLERANCES UNLESS OTHERWISE SPECIFIED eng YaLi 2015/04/28 Image: Chr ecn no ELX-N-20750-1 surface - - - - - - - ecn no ELX-N-20750-1 surface - - - - - - - ecn no ELX-N-20750-1 surface - <td< td=""><td></td><td></td><td></td><td>11</td><td></td><td></td><td></td></td<>				11					
ISO 406 ISO 1101 TOLERANCES UNLESS OTHERWISE SPECIFIED chr . . .	,			tion	mm	1 2	D		
ISO II01 OTHERWISE STECTIED appr Delhy Liu 2015/04/28 product family - rel level Released surface / Inear 0.XX ±0.10 Image: Comparison of the compar	TOLERANCES UI	NLESS chole							
surface - linear 0.XX ±0.10 Image: constraint of the state of the st		appr Delhly Liu 2015	104/28 product	amily		rel level Released			
OLINA LOLING DIAL LOLING DIAL			S HD INTERNAL	(4i)	0 L		rev		
ISO ISO2 angular 0° ±2° www.fci.com cat. no Product - Customer Drw sheet 3 of 4				× + + /		10119312			
		LU.UUJ CADLL	ASSEMBLY- 6 Gb/s	Product	- Customer	Drw sheet 3 of			
			PDS: Rev :C						

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FCI PART NUMBER	DESCRIPTION	NOTES
10119312-XXXXLF	CONTROLLER TO BACKPLANE CONFIGURATION	SEE TABLE I

- NOTES:
 - I. 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 (R₀HS) 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 BH APPLYING 300V DC FOR A MINUMUM OF 10ms.
- 8. IMPEDANCE: 100 Ω DIFFERENTIAL.
- 9. OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-650.
- IO. PACKAGE AND LABEL CABLE ASSEMBLIES PER GS-14-1272.
- II. 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.

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16. THIS PRODUCT COMFORMS TO THE SAS 2.1 SPECIFICATION.

spec ref	-			dr	David Lord		2012/02/16		proje	ection		
tolerance std				eng	Ya Li		2015/04/28			$ \frown $		
ISO 406					TOLERANCES UNLESS THERWISE SPECIFIED		-		-			
ISO 0		WIJE JIE		appr	Delhly Liu		2015/04/28		product	family		
		0.X	±0.3	C		^ی س ^د				()		
surface/	linear	0.XX	±0.10		Ċj	- ms -	AS HD	I IN I	ERNAL	_ (4		
\bigvee		0.XXX	± 0.005	1	Y	+ CAB	BLE ASSE	MBLY-	6 Gb/s	5		
ISO I302	angular	0°	±2°	www	.fci.com	cat. no	D.		-			
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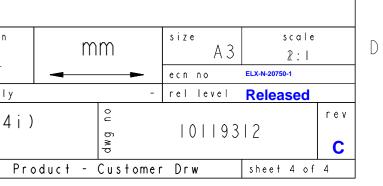
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