



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



spec ref	---	dr	Stu Stoner	2008/02/05	projection	MM	size	A3	scale	1:1	
tolerance std	---	eng	Tom Feng	2014/09/24			ecn no	ELX-N-18883-1	rel level	Released	
---	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-							
surface	✓	appr	Delhy Liu	2014/09/24	product family	MiniSAS/SATA	dwg no		10084749	rev	H
---	linear	0.X	±0.3		cat. no.		-		Product - Customer Drw		sheet 1 of 6
		0.XX	±0.10		-		-		-		
		0.XXX	±0.050		-		-		-		
	angular	0°	±2°	www.fci.com	-		-		-		

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KEY SLOT 2, 4 & 6  
 ○ ◇ UNIVERSIAL PORT



KEY SLOT 2 & 4  
 ◇ OUT PORT



KEY SLOT 4 & 6  
 ○ IN PORT

### MINI SAS 2.0

PRODUCT NUMBER SEE NOTE 4	HUAWEI PART NUMBER	DESCRIPTION	GAUGE	"DIM L" LENGTH	END P1 KEY SLOT	END P2 KEY SLOT	IDENTIFIER
I0084749-M060002LF	/	X4 SAS CABLE ASSEMBLY	24 AWG	6M	4, 6	4, 6	SUBTRACTIVE ROUTING (IN PORT), SAS
I0084749-N040002LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	4M	4, 6	4, 6	
I0084749-N050002LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	5M	4, 6	4, 6	
I0084749-P010002LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	1M	4, 6	4, 6	
I0084749-P020002LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	2M	4, 6	4, 6	
I0084749-P030002LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	3M	4, 6	4, 6	
I0084749-M060003LF	/	X4 SAS CABLE ASSEMBLY	24 AWG	6M	2, 4, 6	2, 4, 6	UNIVERSAL KEY, SAS
I0084749-N030003LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	3M	2, 4, 6	2, 4, 6	
I0084749-N040003LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	4M	2, 4, 6	2, 4, 6	
I0084749-N050003LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	5M	2, 4, 6	2, 4, 6	
I0084749-P002503LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	0.25M	2, 4, 6	2, 4, 6	
I0084749-P010003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	1M	2, 4, 6	2, 4, 6	
I0084749-P015003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	1.5M	2, 4, 6	2, 4, 6	
I0084749-P020003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	2M	2, 4, 6	2, 4, 6	
I0084749-P025003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	2.5M	2, 4, 6	2, 4, 6	
I0084749-P030003LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	3M	2, 4, 6	2, 4, 6	
I0084749-M060006LF	/	X4 SAS CABLE ASSEMBLY	24 AWG	6M	2, 4	4, 6	SAS, TABLE ROUTING (OUT PORT), TO SUBTRACTIVE ROUTING (IN PORT)
I0084749-N010006LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	1M	2, 4	4, 6	
I0084749-N030006LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	3M	2, 4	4, 6	
I0084749-N040006LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	4M	2, 4	4, 6	
I0084749-N050006LF	/	X4 SAS CABLE ASSEMBLY	26 AWG	5M	2, 4	4, 6	
I0084749-P010006LF	0405G005	X4 SAS CABLE ASSEMBLY	28 AWG	1M	2, 4	4, 6	
I0084749-P020006LF	/	X4 SAS CABLE ASSEMBLY	28 AWG	2M	2, 4	4, 6	
I0084749-P030006LF	0405G003	X4 SAS CABLE ASSEMBLY	28 AWG	3M	2, 4	4, 6	

### MINI SAS 2.0 KEYING OPTIONS

spec ref	---	dr	Stu Stoner	2008/02/05	projection	MM	size	A3	scale	1:1											
tolerance std	---	eng	Tom Feng	2014/09/24			ecn no	ELX-N-18883-1													
---	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-			product family	MiniSAS/SATA	rel level	Released											
surface	✓	appr	Delhy Liu	2014/09/24			dwg no	10084749		rev	H										
---	linear	<table border="1"> <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>±0.050</td></tr> </table>		0.X	±0.3	0.XX	±0.10	0.XXX	±0.050	<table border="1"> <tr><td>angular</td><td>0°</td><td>±2°</td></tr> </table>		angular	0°	±2°	<table border="1"> <tr><td>cat. no.</td><td>-</td></tr> </table>		cat. no.	-	Product - Customer Drw		sheet 2 of 6
0.X	±0.3																				
0.XX	±0.10																				
0.XXX	±0.050																				
angular	0°	±2°																			
cat. no.	-																				

# SATA

PRODUCT NUMBER SEE NOTE 4	DESCRIPTION	GAUGE	"DIM L" LENGTH	END P1 KEY SLOT	END P2 KEY SLOT	IDENTIFIER
10084749-M060004LF	X4 SATA CABLE ASSEMBLY	24 AWG	6M	1,4	1,4	X CABLE, SATA
10084749-N020004LF	X4 SATA CABLE ASSEMBLY	26 AWG	2M	1,4	1,4	
10084749-N040004LF	X4 SATA CABLE ASSEMBLY	26 AWG	4M	1,4	1,4	
10084749-N050004LF	X4 SATA CABLE ASSEMBLY	26 AWG	5M	1,4	1,4	
10084749-P010004LF	X4 SATA CABLE ASSEMBLY	28 AWG	1M	1,4	1,4	
10084749-P030004LF	X4 SATA CABLE ASSEMBLY	28 AWG	3M	1,4	1,4	
10084749-M060005LF	X4 SATA CABLE ASSEMBLY	24 AWG	6M	7	7	M CABLE, SATA
10084749-N020005LF	X4 SATA CABLE ASSEMBLY	26 AWG	2M	7	7	
10084749-N040005LF	X4 SATA CABLE ASSEMBLY	26 AWG	4M	7	7	
10084749-N050005LF	X4 SATA CABLE ASSEMBLY	26 AWG	5M	7	7	
10084749-P010005LF	X4 SATA CABLE ASSEMBLY	28 AWG	1M	7	7	
10084749-P030005LF	X4 SATA CABLE ASSEMBLY	28 AWG	3M	7	7	



**BEND RADIUS  
(24 AWG SHOWN)**

CABLE	DIM "A"	DIM "B"
24 AWG	(R46.9)	(Ø 9.5mm)
26 AWG	(R41.7)	(Ø 8.3mm)
28 AWG	(R37.7)	(Ø 7.6mm)



KEY SLOT 1 & 4  
X CABLE, SATA



KEY SLOT 7  
M CABLE, SATA

## SATA KEYING OPTIONS

spec ref	---	dr	Stu Stoner	2008/02/05	projection	MM	size	A3	scale	1:1
tolerance std	---	eng	Tom Feng	2014/09/24			ecn no	ELX-N-18883-1	rel level	Released
---	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-						
surface	✓	appr	Delhly Liu	2014/09/24	product family	MiniSAS/SATA	rel level	Released	rev	H
---	linear	0.X	±0.3		title FINAL CABLE ASSEMBLY-ALTERNATE CABLE Mini SAS 2.0/SATA (CRKT)	dwg no 10084749	cat. no. -	Product - Customer Drw	sheet 3 of 6	
	0.XX	±0.10								
	0.XXX	±0.050								
	angular	0°	±2°	www.fci.com						

A

B

C

D

A

B

C

D

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



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spec ref	---	dr	Stu Stoner	2008/02/05	projection	MM	size	A3	scale	1:1
tolerance std	---	eng	Tom Feng	2014/09/24			ecn no	ELX-N-18883-1	rel level	Released
---	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-						
surface	✓	appr	Delhy Liu	2014/09/24	product family	MiniSAS/SATA				
linear	0.X ±0.3			title FINAL CABLE ASSEMBLY-ALTERNATE CABLE Mini SAS 2.0/SATA (CRKT)		dwg no 10084749		rev H		
	0.XX ±0.10									
	0.XXX ±0.050									
angular	0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 4 of 6			

NOTES:

- ① - MATERIAL:  
 BACK SHELLS: ZINC DIECAST  
 PULL TAB: MOLDED THERMOPLASTIC  
 LATCH: STAINLESS STEEL  
 JET MELT: POLYAMIDE POLYMER
- 2 - ELECTRICAL PERFORMANCE PER CURRENT REVISION  
 OF SERIAL ATA, T10/I760-D (SAS-2 REQUIREMENTS).
- ③ - THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN  
 ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC)

4 - PART NUMBER DESCRIPTION

10084749 - X XX XX XX LF



- ⑤ - UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE IS TO BE:  
 < 1 METER = ±25.0mm  
 > 1 METER TO 6 METERS = ± 2% OF "DIM L"

spec ref	---	dr	Stu Stoner	2008/02/05	projection	MM	size	A3	scale	1:1
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---	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-			product family	MiniSAS/SATA	rel level	
surface	✓	appr	Delhy Liu	2014/09/24	title		dwg no		rev	
linear	0.X ±0.3				FINAL CABLE ASSEMBLY-ALTERNATE CABLE		10084749		H	
	0.XX ±0.10									
	0.XXX ±0.050	www.fci.com			Mini SAS 2.0/SATA (CRKT)					
angular	0° ±2°	cat. no.			-		Product - Customer Drw		sheet 5 of 6	



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NOTES CONTINUED:

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



FONT SHALL BE CLEARLY VISIBLE AND BLACK IN COLOR.

- 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.

12. 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.

spec ref	---	dr	Stu Stoner	2008/02/05	projection	MM	size	A3	scale	1:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Tom Feng	2014/09/24			ecn no	ELX-N-18883-1											
---		chr	-	-			product family	MiniSAS/SATA	rel level	Released									
surface	<table border="1"> <tr> <td rowspan="3">✓</td> <td rowspan="3">linear</td> <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>±0.050</td> </tr> <tr> <td>---</td> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	✓	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.050	---	angular	0°	±2°		title FINAL CABLE ASSEMBLY-ALTERNATE CABLE Mini SAS 2.0/SATA (CRKT)	dwg no 10084749	rev H		
✓	linear			0.X	±0.3														
				0.XX	±0.10														
		0.XXX	±0.050																
---	angular	0°	±2°																
---		appr	Delhy Liu	2014/09/24	cat. no.	-	Product - Customer Drw	sheet 6 of 6											



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