



**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      |  |
| ---           | linear                                | 0.X    | ±0.3            |             | title FINAL CABLE ASSEMBLY-ALTERNATE CABLE<br>Mini SAS 2.0/SATA (CRKT) |              | cat. no. -            |               | Product - Customer Drw |          |  |
|               | 0.XX                                  | ±0.10  | sheet 1 of 6    |             |  |              |                       |               |                        |          |  |
|               | 0.XXX                                 | ±0.050 | STATUS:Released |             |  |              |                       |               |                        |          |  |
|               | angular                               | 0°     | ±2°             | www.fci.com | PDS: Rev :H  |              | Printed: Sep 24, 2014 |               |                        |          |  |

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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<br>SEE NOTE 4 | HUAWEI<br>PART NUMBER | DESCRIPTION           | GAUGE  | "DIM L"<br>LENGTH | END P1<br>KEY SLOT | END P2<br>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),<br>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          | 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                              |             |            | title FINAL CABLE ASSEMBLY-ALTERNATE CABLE<br>Mini SAS 2.0/SATA (CRKT) |                | cat. no.        |        | Product - Customer Drw |           | sheet 2 of 6 |   |
| angular       | 0° ±2°                                | www.fci.com |            | PDS: Rev :H  |                | STATUS:Released |        | Printed: Sep 24, 2014  |           |              |   |

# SATA

| PRODUCT NUMBER<br>SEE NOTE 4 | DESCRIPTION            | GAUGE  | "DIM L"<br>LENGTH | END P1<br>KEY SLOT | END P2<br>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 | dwg no                               |               | 10084749                          | rev          | H |
| ---           | linear                                | 0.X   | ±0.3       |             | title                    |              | FINAL CABLE ASSEMBLY-ALTERNATE CABLE |               | cat. no. - Product - Customer Drw | sheet 3 of 6 |   |
|               |                                       | 0.XX  | ±0.10      |             | Mini SAS 2.0/SATA (CRKT) |              |                                      |               |                                   |              |   |
|               |                                       | 0.XXX | ±0.050     |             |                          |              |                                      |               |                                   |              |   |
|               | angular                               | 0°    | ±2°        | www.fci.com |                          |              |                                      |               |                                   |              |   |

1

2

3

4

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<br>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 =  $\pm 25.0\text{mm}$   
 > 1 METER TO 6 METERS =  $\pm 2\%$  OF "DIM L"

|               |                                       |             |               |            |            |                        |                |               |           |          |
|---------------|---------------------------------------|-------------|---------------|------------|------------|------------------------|----------------|---------------|-----------|----------|
| 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 | title      |                        | dwg no         | 10084749      | rev       | H        |
| ---           | linear                                | www.fci.com |               | cat. no.   | -          | Product - Customer Drw |                | sheet 5 of 6  |           |          |
|               | angular                               | 0°          | $\pm 2^\circ$ |            |            |                        |                |               |           |          |



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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 SHIPPMENT 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 | ---                                   | eng     | Tom Feng   | 2014/09/24 |                |  | ecn no             | ELX-N-18883-1          | rel level     | Released |
| ---           | TOLERANCES UNLESS OTHERWISE SPECIFIED | chr     | -          | -          |                |  |                    |                        |               |          |
| ---           |                                       | appr    | Delhy Liu  | 2014/09/24 | product family | MiniSAS/SATA   |                    |                        |               |          |
| surface       | ✓                                     | linear  | 0.X        | ±0.3       |                | FINAL CABLE ASSEMBLY-ALTERNATE CABLE<br>Mini SAS 2.0/SATA (CRKT) | dwg no<br>10084749 | rev<br>H               | angular<br>0° | ±2°      |
|               |                                       |         | 0.XX       | ±0.10      |                |  |                    |                        |               |          |
|               |                                       |         | 0.XXX      | ±0.050     |                |  |                    |                        |               |          |
| ---           |                                       | angular | 0°         | ±2°        | www.fci.com    | cat. no.   | -                  | Product - Customer Drw | sheet 6 of 6  |          |



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## Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

### Наши контакты:

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