



**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 |
| ---           | linear                                | 0.XX  | ±0.10      |             | title                    |              | FINAL CABLE ASSEMBLY-ALTERNATE CABLE |               |                        |          |              |
| ---           | linear                                | 0.XXX | ±0.050     |             | Mini SAS 2.0/SATA (CRKT) |              |                                      |               |                        |          |              |
| ---           | angular                               | 0°    | ±2°        | www.fci.com | PDS: Rev :H              |              | STATUS:Released                      |               | 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       | rel level     | Released               | rev          | H                 |
| ---           | linear                                | 0.X    | ±0.3       |            | title<br>FINAL CABLE ASSEMBLY-ALTERNATE CABLE<br>Mini SAS 2.0/SATA (CRKT) | dwg no<br>10084749 | cat. no.<br>- | Product - Customer Drw | sheet 3 of 6 | angular<br>0° ±2° |
| ---           | 0.XX                                  | ±0.10  |            |            |   |                    |               |                        |              |                   |
| ---           | 0.XXX                                 | ±0.050 |            |            |   |                    |               |                        |              |                   |



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 | TOLERANCES UNLESS OTHERWISE SPECIFIED  | eng   | Tom Feng   | 2014/09/24 |                        |    | ecn no       |       | ELX-N-18883-1 |       |        |     |         |    |     |  |   |                                |                    |          |
| ---           |  | chr   | -          | -          |                        |    | rel level    |       | Released      |       |        |     |         |    |     |  |   |                                |                    |          |
| surface       | <table border="1"> <tr> <td rowspan="3"> </td> <td>linear</td> <td>0.X</td> <td>±0.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.10</td> </tr> <tr> <td></td> <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<br>FINAL CABLE ASSEMBLY-ALTERNATE CABLE<br>Mini SAS 2.0/SATA (CRKT) | product family<br>MiniSAS/SATA | dwg no<br>10084749 | rev<br>H |
|               | linear   |       | 0.X        | ±0.3       |                        |    |              |       |               |       |        |     |         |    |     |  |   |                                |                    |          |
|               |  |       | 0.XX       | ±0.10      |                        |    |              |       |               |       |        |     |         |    |     |  |   |                                |                    |          |
|               |  | 0.XXX | ±0.050     |            |                        |    |              |       |               |       |        |     |         |    |     |  |   |                                |                    |          |
| ---           | angular  | 0°    | ±2°        |            |                        |    |              |       |               |       |        |     |         |    |     |  |   |                                |                    |          |
| ---           |  | appr  | Delhy Liu  | 2014/09/24 | Product - Customer Drw |    | sheet 6 of 6 |       |               |       |        |     |         |    |     |  |   |                                |                    |          |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкуренспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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