

| FCI PART NUMBER | DESCRIPTION                            | NOTES       |
|-----------------|--|-------------|
| 10123416-XXXXLF | CONTROLLER TO CONTROLLER CONFIGURATION | SEE TABLE 2 |

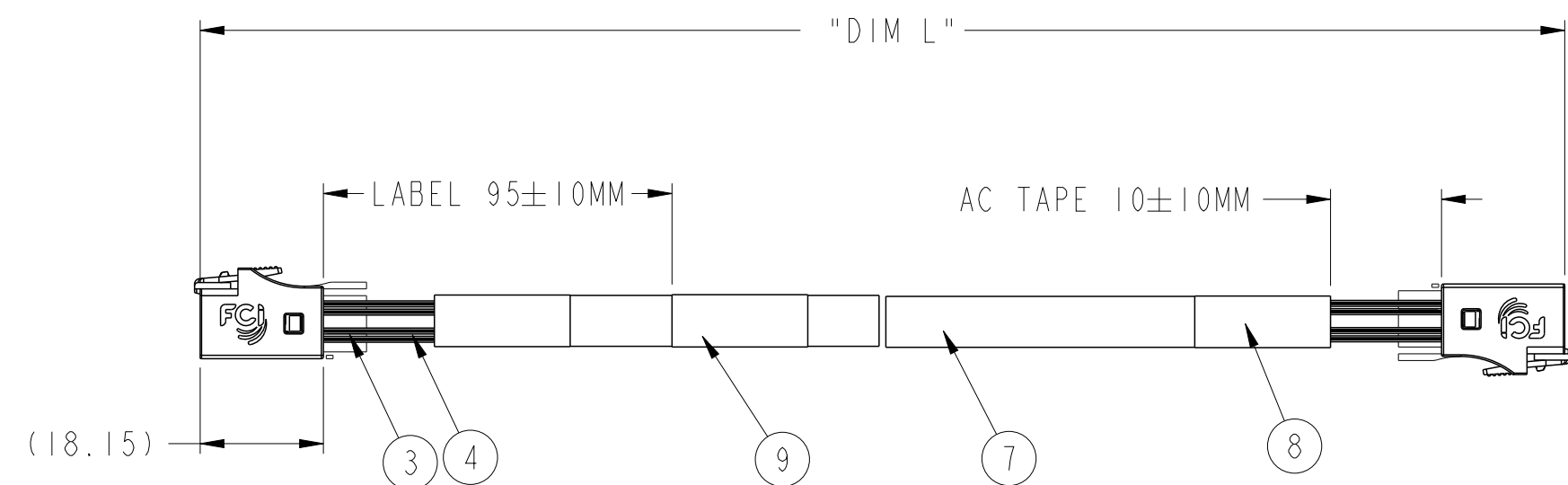
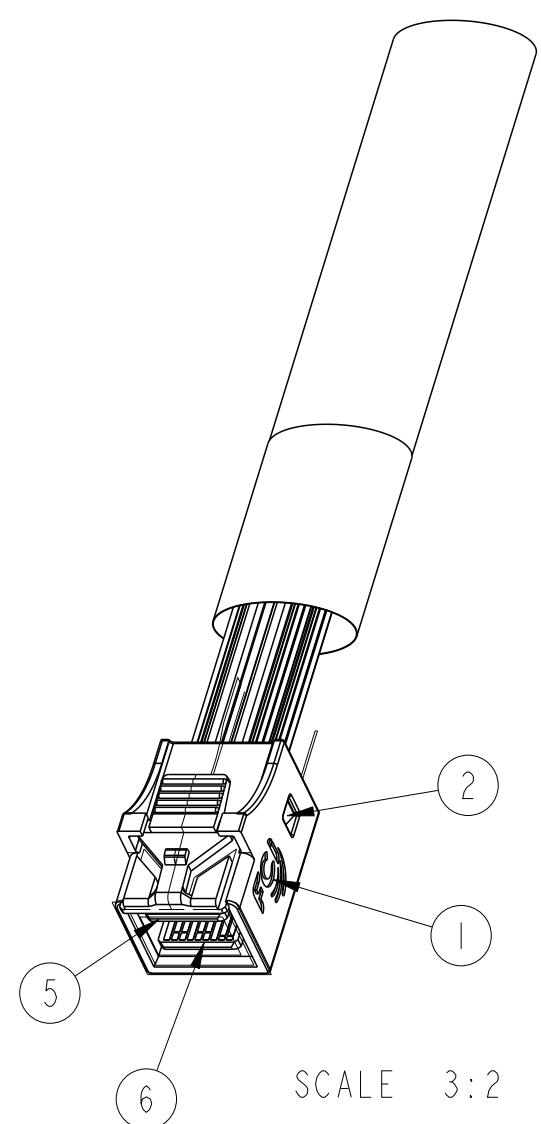


TABLE 1 - BILL OF MATERIALS

| ITEM | DESCRIPTION                          | QTY | NOTES       |
|------|--------------------------------------|-----|-------------|
| 1    | mSAS HD INTERNAL HOUSING- SHORT      | 2   |             |
| 2    | mSAS HD INTERNAL PCB INSERT- SHORT   | 2   |             |
| 3    | FLAT RIBBON CABLE GPPG (30 AWG)      | A/R | SEE TABLE 2 |
| 4    | SIDE BAND FLAT RIBBON CABLE (30 AWG) | A/R |             |
| 5    | mSAS HD INTERNAL LOWER (A-B) PCB     | 2   |             |
| 6    | mSAS HD INTERNAL UPPER (C-D) PCB     | 2   |             |
| 7    | PLASTIC BRAID                        | A/R |             |
| 8    | ACETATE TAPE 20mm BLACK              | A/R |             |
| 9    | LABEL                                | 1   | SEE NOTE 5  |
| 10   | 3525 LOCTITE                         | A/R | NOT SHOWN   |

|                                       |                     |      |             |            |                                    |    |              |    |               |     |
|---------------------------------------|---------------------|------|-------------|------------|------------------------------------|----|--------------|----|---------------|-----|
| spec ref                              | -                   | dr   | Andy Wu     | 2013/01/03 | projection                         | mm | size         | A3 | scale         | 1:1 |
| tolerance std                         | ISO 406<br>ISO 1101 | eng  | Andy Wu     | 2013/01/17 |                                    |    | ecn no       |    | ELX-N-13885-1 |     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                     | chr  | -           | -          |                                    |    | rel level    |    | Released      |     |
| surface                               | ✓                   | appr | Roger Cheng | 2013/01/20 | product family                     | -  | dwg no       |    | 10123416      |     |
| ISO 1302                              | linear              | 0.X  | ±0.3        |            | mSAS HD INTERNAL (4i)              |    | rev          |    | B             |     |
|                                       |                     | 0.XX | ±0.10       |            | CABLE ASSEMBLY- 6 Gb/s, short type |    |              |    |               |     |
|                                       | angular             | 0°   | ±2°         |            | www.fci.com                        |    | cat. no.     |    | -             |     |
|                                       |                     |      |             |            | Product - Customer Drw             |    | sheet 1 of 4 |    |               |     |



Copyright FCI.

| FCI PART NUMBER | DESCRIPTION                            | NOTES       |
|-----------------|--|-------------|
| 10123416-XXXXLF | CONTROLLER TO CONTROLLER CONFIGURATION | SEE TABLE 2 |

| TABLE 2- CABLE PART NUMBER LIST |                               |     |  |
|---------------------------------|-------------------------------|-----|--|
| PART NUMBER                     | "DIM L" CABLE LENGTH (METERS) | AWG | NOTES  |
| 10123416-2030LF                 | 0.3                           | 30  | CONTROLLER TO CONTROLLER WIRING CONFIGURATION (SHEET 2)<br>----<br>(SEE SHEET 4 FOR ALL NOTES) |
| 10123416-2040LF                 | 0.4                           | 30  |  |
| 10123416-2050LF                 | 0.5                           | 30  |  |
| 10123416-2060LF                 | 0.6                           | 30  |  |
| 10123416-2070LF                 | 0.7                           | 30  |  |
| 10123416-2080LF                 | 0.8                           | 30  |  |
| 10123416-2090LF                 | 0.9                           | 30  |  |
| 10123416-2100LF                 | 1.0                           | 30  |  |

NOTE:

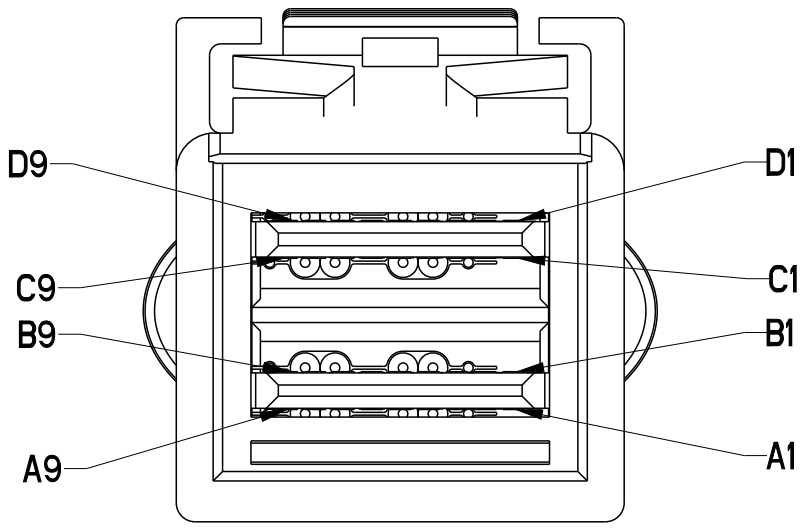
1. ALL CABLE PERFORMANCE COMPLIANCE SAS2.1
2. CABLE MORE THAN 1.0 METER COULD NOT MEET SAS2.1 INSERTION LOSS -6dB MAX.

|                                       |                     |      |             |            |   |          |                |                        |              |          |   |
|---------------------------------------|---------------------|------|-------------|------------|---|----------|----------------|------------------------|--------------|----------|---|
| spec ref                              | -                   | dr   | Andy Wu     | 2013/01/03 | projection  | mm       | size           | A3                     | scale        | 1:2      |   |
| tolerance std                         | ISO 406<br>ISO 1101 | eng  | Andy Wu     | 2013/01/17 |   |          | ecn no         | ELX-N-13885-1          |              |          |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                     | chr  | -           | -          |   |          | product family | -                      | rel level    | Released |   |
| surface                               | ISO 1302            | appr | Roger Cheng | 2013/01/20 | mSAS HD INTERNAL (4i)<br>CABLE ASSEMBLY- 6 Gb/s, short type |          | dwg no         | 10123416               |              | rev      | B |
|                                       | linear              | 0.X  | ±0.3        |            | www.fci.com   | cat. no. | -              | Product - Customer Drw | sheet 2 of 4 |          |   |
|                                       |                     | 0.XX | ±0.10       |            |   |          |                |                        |              |          |   |
|                                       | angular             | 0°   | ±2°         |            |   |          |                |                        |              |          |   |



Copyright FCI.

| FCI PART NUMBER | DESCRIPTION                            | NOTES       |
|-----------------|--|-------------|
| 10123416-XXXXLF | CONTROLLER TO CONTROLLER CONFIGURATION | SEE TABLE 2 |



SCALE 5:1

| LEGEND |                                      |
|--------|--------------------------------------|
|        | HIGH-SPEED SERIAL DIFFERENTIAL PAIRS |
|        | SIGNAL RETURN                        |
|        | SIDEBAND SIGNAL                      |

| WIRING LIST (CONTROLLER TO CONTROLLER) |            |       |                     |            |
|--|------------|-------|---------------------|------------|
| END P1 (CONTROLLER)                    |            |       | END P2 (CONTROLLER) |            |
| 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 |       | B2                  | SIDEBAND 1 |
| D1                                     | SIDEBAND 5 |       | C2                  | SIDEBAND 2 |
| C1                                     | SIDEBAND 4 |       | B1                  | SIDEBAND 3 |
| C2                                     | SIDEBAND 2 |       | D1                  | SIDEBAND 5 |
| 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 |       | D2                  | SIDEBAND 6 |
| B1                                     | SIDEBAND 3 |       | C1                  | SIDEBAND 4 |
| A1                                     | SIDEBAND 7 |       | A2                  | SIDEBAND 0 |
| A2                                     | SIDEBAND 0 |       | A1                  | SIDEBAND 7 |
| 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   | Andy Wu     | 2013/01/03 | projection                         | mm       | size      | A3                     | scale        | 1:1 |
| tolerance std | ISO 406<br>ISO 1101                   | eng  | Andy Wu     | 2013/01/17 |                                    | ←→       | ecn no    | ELX-N-13885-1          |              |     |
|               | TOLERANCES UNLESS OTHERWISE SPECIFIED | chr  | -           | -          | product family                     | -        | rel level | Released               |              |     |
| surface       | ISO 1302                              | appr | Roger Cheng | 2013/01/20 | mSAS HD INTERNAL (4i)              |          | dwg no    | 10123416               | rev          | B   |
|               | linear                                |      |             |            | CABLE ASSEMBLY- 6 Gb/s, short type |          |           |                        |              |     |
|               | angular                               |      |             |            | www.fci.com                        | cat. no. | -         | Product - Customer Drw | sheet 3 of 4 |     |

Copyright FCI.

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 = ±15mm  
"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 MINIMUM 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.



Copyright FCI.

|                                      |       |                                       |             |                       |                |                        |                        |               |       |     |  |
|--------------------------------------|-------|---------------------------------------|-------------|-----------------------|----------------|------------------------|------------------------|---------------|-------|-----|--|
| spec ref -                           |       | dr                                    | Andy Wu     | 2013/01/03            | projection<br> | mm<br>                 | size                   | A3            | scale | 1:1 |  |
| tolerance std<br>ISO 406<br>ISO 1101 |       | TOLERANCES UNLESS OTHERWISE SPECIFIED |             |                       |                |                        | ecn no                 | ELX-N-13885-1 |       |     |  |
| surface ✓                            |       | eng                                   | Andy Wu     | 2013/01/17            |                |                        | product family         | -             |       |     |  |
| ISO 1302                             |       | chr                                   | -           | -                     | rel level      | Released               |                        |               |       |     |  |
| linear                               | 0.X   | ±0.3                                  |             | mSAS HD INTERNAL (4i) | cat. no.       | -                      | Product - Customer Drw | sheet 4 of 4  | rev   | B   |  |
|                                      | 0.XX  | ±0.10                                 |             |                       |                |                        |                        |               |       |     |  |
|                                      | 0.XXX | ±0.005                                |             |                       |                |                        |                        |               |       |     |  |
| angular                              | 0°    | ±2°                                   | www.fci.com | cat. no.              | -              | Product - Customer Drw | sheet 4 of 4           | rev           | B     |     |  |
| ISO 1302                             |       | www.fci.com                           |             | cat. no. -            |                | Product - Customer Drw |                        | sheet 4 of 4  |       |     |  |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.