

END P1  
CABLE CONNECTOR  
CXP (PASSIVE) PLUG

END P2  
CABLE CONNECTOR  
CXP (PASSIVE) PLUG

VIEW A

VIEW A

2X(9.81)  
2X14.60 MAX  
2X16.21 MAX

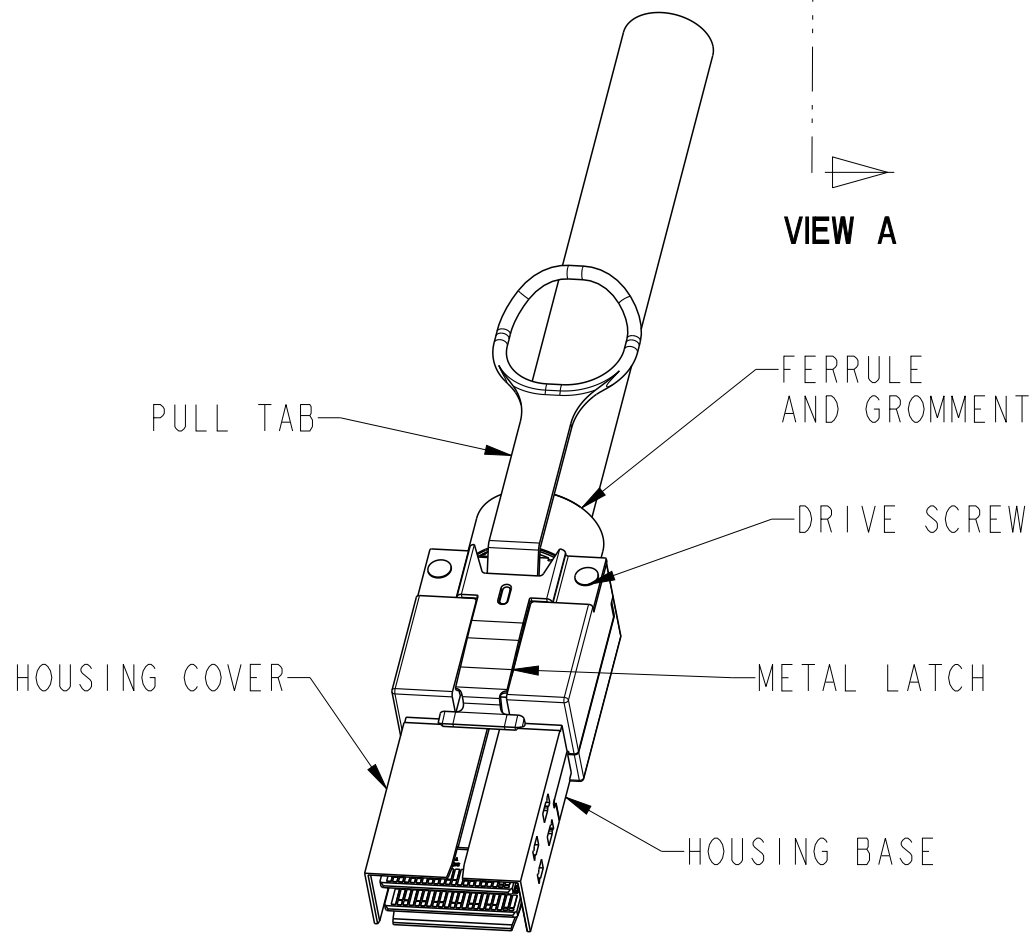
2X28.45±0.13

CABLE

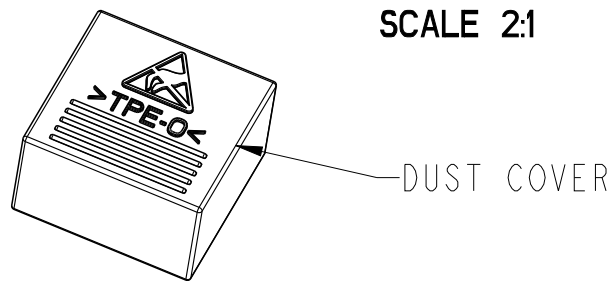
55±5mm  
HEAT SHRINK

100±15mm

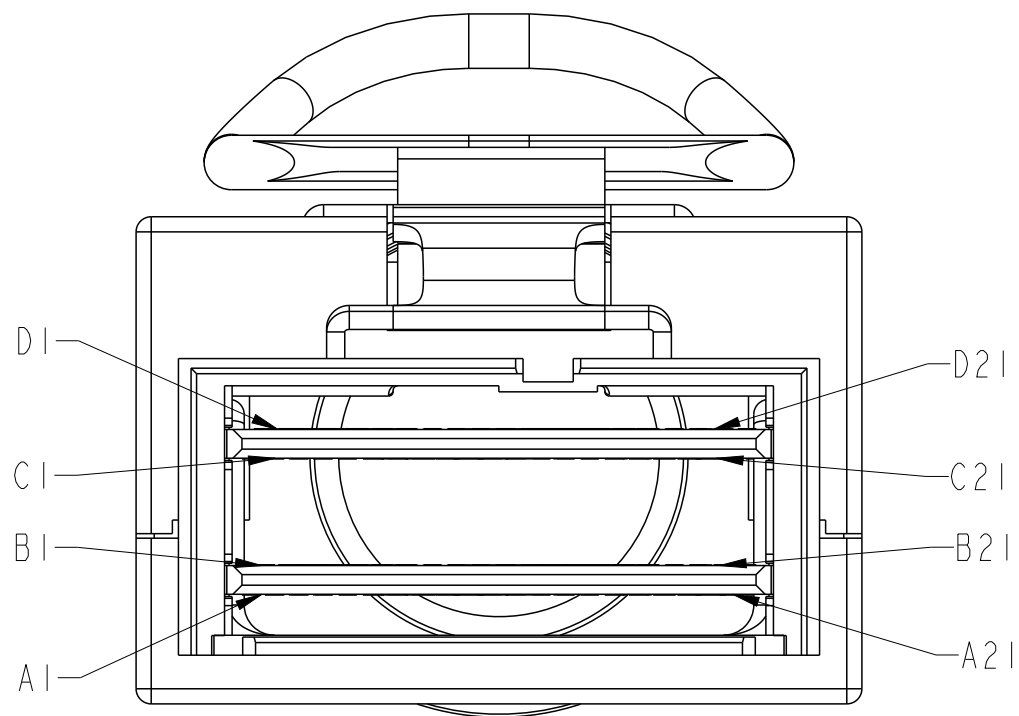
LABEL  
SEE NOTES 5



P1  
ISOMETRIC VIEW  
SCALE 2:1



|               |                               |             |                                                         |            |                |    |                 |               |                        |              |
|---------------|-------------------------------|-------------|---------------------------------------------------------|------------|----------------|----|-----------------|---------------|------------------------|--------------|
| spec ref      | -                             | dr          | Deborah Ingram                                          | 2011/04/15 | projection     | MM | size            | A2            | scale                  | 1:2          |
| tolerance std | ASME Y14.5                    | eng         | Ya Li                                                   | 2015/08/05 | chr            | -  | ecn no          | ELX-N-21586-1 | rel level              | Released     |
| surface       | ✓                             | appr        | Frank Mao                                               | 2015/08/05 | product family | -  | cat. no.        | -             | Product - Customer Drw | sheet 1 of 3 |
| linear        | 0.X ±Y<br>0.XX ±Y<br>0.XXX ±Y | title       | FINAL ASSEMBLY - STANDARD<br>CXP PASSIVE CABLE ASSEMBLY |            |                |    | dwg no          | 10116951      | rev                    | C            |
| angular       | 0° ±Y°                        | www.fci.com | PDS: Rev :C                                             |            |                |    | STATUS:Released |               | Printed: Aug 05, 2015  |              |



VIEW A-A  
PIN ASSIGNMENTS  
SCALE 4:1

| P1  |   |           |       | P2  |   |               |
|-----|---|-----------|-------|-----|---|---------------|
| PIN | F | SIGNAL    | TYPE  | PIN | F | SIGNAL        |
| B1  | L | GND       | C   C | D1  | L | GND           |
| B2  | S | Tx0p      | ----> | D2  | S | Rx0p          |
| B3  | S | Tx0n      | ----> | D3  | S | Rx0n          |
| B4  | L | GND       | C   C | D4  | L | GND           |
| B5  | S | Tx2p      | ----> | D5  | S | Rx2p          |
| B6  | S | Tx2n      | ----> | D6  | S | Rx2n          |
| B7  | L | GND       | C   C | D7  | L | GND           |
| B8  | S | Tx4p      | ----> | D8  | S | Rx4p          |
| B9  | S | Tx4n      | ----> | D9  | S | Rx4n          |
| B10 | L | GND       | C   C | D10 | L | GND           |
| B11 | S | Tx6p      | ----> | D11 | S | Rx6p          |
| B12 | S | Tx6n      | ----> | D12 | S | Rx6n          |
| B13 | L | GND       | C   C | D13 | L | GND           |
| B14 | S | Tx8p      | ----> | D14 | S | Rx8p          |
| B15 | S | Tx8n      | ----> | D15 | S | Rx8n          |
| B16 | L | GND       | C   C | D16 | L | GND           |
| B17 | S | Tx10p     | ----> | D17 | S | Rx10p         |
| B18 | S | Tx10n     | ----> | D18 | S | Rx10n         |
| B19 | L | GND       | C   C | D19 | L | GND           |
| B20 | S | VCC3.3-Tx | □ □   | D20 | M | VCC3.3-Rx     |
| B21 | S | VCC12-Tx  | □ □   | D21 | M | VCC12-Rx      |
| A1  | L | GND       | C   C | C1  | L | GND           |
| A2  | S | Tx1p      | ----> | C2  | S | Rx1p          |
| A3  | S | Tx1n      | ----> | C3  | S | Rx1n          |
| A4  | L | GND       | C   C | C4  | L | GND           |
| A5  | S | Tx3p      | ----> | C5  | S | Rx3p          |
| A6  | S | Tx3n      | ----> | C6  | S | Rx3n          |
| A7  | L | GND       | C   C | C7  | L | GND           |
| A8  | S | Tx5p      | ----> | C8  | S | Rx5p          |
| A9  | S | Tx5n      | ----> | C9  | S | Rx5n          |
| A10 | L | GND       | C   C | C10 | L | GND           |
| A11 | S | Tx7p      | ----> | C11 | S | Rx7p          |
| A12 | S | Tx7n      | ----> | C12 | S | Rx7n          |
| A13 | L | GND       | C   C | C13 | L | GND           |
| A14 | S | Tx9p      | ----> | C14 | S | Rx9p          |
| A15 | S | Tx9n      | ----> | C15 | S | Rx9n          |
| A16 | L | GND       | C   C | C16 | L | GND           |
| A17 | S | Tx11p     | ----> | C17 | S | Rx11p         |
| A18 | S | Tx11n     | ----> | C18 | S | Rx11n         |
| A19 | L | GND       | C   C | C19 | L | GND           |
| A20 | S | SCL       | □ □   | C20 | S | PRSNT_L       |
| A21 | S | SDA       | □ □   | C21 | S | Int_L/Reset_L |

| P1  |   |               |       | P2  |   |           |
|-----|---|---------------|-------|-----|---|-----------|
| PIN | F | SIGNAL        | TYPE  | PIN | F | SIGNAL    |
| C1  | L | GND           | C   C | A1  | L | GND       |
| C2  | S | Rx1p          | <---- | A2  | S | Tx1p      |
| C3  | S | Rx1n          | <---- | A3  | S | Tx1n      |
| C4  | L | GND           | C   C | A4  | L | GND       |
| C5  | S | Rx3p          | <---- | A5  | S | Tx3p      |
| C6  | S | Rx3n          | <---- | A6  | S | Tx3n      |
| C7  | L | GND           | C   C | A7  | L | GND       |
| C8  | S | Rx5p          | <---- | A8  | S | Tx5p      |
| C9  | S | Rx5n          | <---- | A9  | S | Tx5n      |
| C10 | L | GND           | C   C | A10 | L | GND       |
| C11 | S | Rx7p          | <---- | A11 | S | Tx7p      |
| C12 | S | Rx7n          | <---- | A12 | S | Tx7n      |
| C13 | L | GND           | C   C | A13 | L | GND       |
| C14 | S | Rx9p          | <---- | A14 | S | Tx9p      |
| C15 | S | Rx9n          | <---- | A15 | S | Tx9n      |
| C16 | L | GND           | C   C | A16 | L | GND       |
| C17 | S | Rx11p         | <---- | A17 | S | Tx11p     |
| C18 | S | Rx11n         | <---- | A18 | S | Tx11n     |
| C19 | L | GND           | C   C | A19 | L | GND       |
| C20 | S | PRSNT_L       | □ □   | A20 | S | SCL       |
| C21 | S | Int_L/Reset_L | □ □   | A21 | S | SDA       |
| D1  | L | GND           | C   C | B1  | L | GND       |
| D2  | S | Rx0p          | <---- | B2  | S | Tx0p      |
| D3  | S | Rx0n          | <---- | B3  | S | Tx0n      |
| D4  | L | GND           | C   C | B4  | L | GND       |
| D5  | S | Rx2p          | <---- | B5  | S | Tx2p      |
| D6  | S | Rx2p          | <---- | B6  | S | Tx2n      |
| D7  | L | GND           | C   C | B7  | L | GND       |
| D8  | S | Rx4p          | <---- | B8  | S | Tx4p      |
| D9  | S | Rx4n          | <---- | B9  | S | Tx4n      |
| D10 | L | GND           | C   C | B10 | L | GND       |
| D11 | S | Rx6p          | <---- | B11 | S | Tx6p      |
| D12 | S | Rx6n          | <---- | B12 | S | Tx6n      |
| D13 | L | GND           | C   C | B13 | L | GND       |
| D14 | S | Rx8p          | <---- | B14 | S | Tx8p      |
| D15 | S | Rx8n          | <---- | B15 | S | Tx8n      |
| D16 | L | GND           | C   C | B16 | L | GND       |
| D17 | S | Rx10p         | <---- | B17 | S | Tx10p     |
| D18 | S | Rx10n         | <---- | B18 | S | Tx10n     |
| D19 | L | GND           | C   C | B19 | L | GND       |
| D20 | S | VCC3.3-Rx     | □ □   | B20 | M | VCC3.3-Tx |
| D21 | S | VCC12-Rx      | □ □   | B21 | M | VCC12-Tx  |

PIN OUT CHART (WIRING) SEE NOTE 6

|               |            |         |                |            |                |              |        |                           |           |          |
|---------------|------------|---------|----------------|------------|----------------|--------------|--------|---------------------------|-----------|----------|
| spec ref      | -          | dr      | Deborah Ingram | 2011/04/15 | projection     | MM           | size   | A2                        | scale     | 1:2      |
| tolerance std | ASME Y14.5 | eng     | Ya Li          | 2015/08/05 | chr            | -            | ecn no | ELX-N-21586-1             | rel level | Released |
| surface       | ✓          | appr    | Frank Mao      | 2015/08/05 | product family | -            | title  | FINAL ASSEMBLY - STANDARD | dwg no    | 10116951 |
| ASME Y14.5    | linear     | angular | 0°             | ±Y°        | 0.X            | ±Y           | 0.XX   | ±Y                        | 0.XXX     | ±Y       |
| www.fci.com   | cat. no.   | -       | Product        | -          | Customer Drw   | sheet 2 of 3 | rev    | C                         |           |          |

NOTES:

1. MATERIAL:  
COVERS: ZINC ALLOY  
PULL STRAP: THERMOPLASTIC  
LATCH: STAINLESS STEEL  
FERRULE: BRASS  
PIN: STAINLESS STEEL  
(LOCTITE) EPOXY  
SPLIT GROMMET: POLYURETHANE  
PADDLE CARD: PRINTED CIRCUIT SUBSTRATE - FR4  
CABLE JACKETS TO BE CL2 RATED - UL94-0
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 = ± 25mm  
"DIM L" = 1 METER TO 5 METERS = ± 2% OF "DIM L"

5. CONTENTS OF LABEL ARE TO BE:  
LABEL DETAILS:

FCI CHINA  
FCI P/N  
REVISION:C  
SN: CNYWWCA \*\* \* #####  
|||||  
(the first \*\* present cable length, eg:05--0.5m, 15--1.5m...)  
(the 2nd \* present cable wire guage, eg:2--30awg, 4--26awg...)  
( the 3th \* present L--lead free or H--halongen free .)  
( the #### present serial number, eg: 0001, 0002...)  
( barcode content is CNYWWCA \*\* \* ##### in 128 code )

FONT SHALL BE CLEARLY VISIBLE AND BLACK IN COLOR.

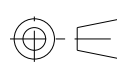
6. ALL CABLE ASSEMBLIES SHALL BE 100% TESTED FOR CONTINUITY AS DEFINED IN WIRING LIST.
7. OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-0943.
8. PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING PER SPECIFICATION GS-14-920.  
PACKAGE CABLE ASSEMBLIES PER GS-14-1272. DUST COVERS ARE TO BE PLACED ON ASSEMBLIES PRIOR TO PACKAGING.
9. IMPEDANCE: 100Ω DIFFERENTIAL.
10. 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.

| Pruduct number<br>(LEAD FREE) | "DIM L"<br>LENGTH<br>METERS | AWG | NOTES |
|-------------------------------|-----------------------------|-----|-------|
| 10116951-2005LF               | 0.5                         | 30  |       |
| 10116951-2010LF               | 1.0                         | 30  |       |
| 10116951-2015LF               | 1.5                         | 30  |       |
| 10116951-2020LF               | 2.0                         | 30  |       |
| 10116951-2025LF               | 2.5                         | 30  |       |
| 10116951-2030LF               | 3.0                         | 30  |       |
| 10116951-4005LF               | 0.5                         | 26  |       |
| 10116951-4010LF               | 1.0                         | 26  |       |
| 10116951-4015LF               | 1.5                         | 26  |       |
| 10116951-4020LF               | 2.0                         | 26  |       |
| 10116951-4025LF               | 2.5                         | 26  |       |
| 10116951-4030LF               | 3.0                         | 26  |       |
| 10116951-4035LF               | 3.5                         | 26  |       |
| 10116951-4040LF               | 4.0                         | 26  |       |
| 10116951-4042LF               | 4.25                        | 26  |       |
| 10116951-4045LF               | 4.5                         | 26  |       |
| 10116951-4050LF               | 5.0                         | 26  |       |

| Pruduct number<br>(HALOGEN FREE) | "DIM L"<br>LENGTH<br>METERS | AWG | NOTES |
|----------------------------------|-----------------------------|-----|-------|
| 10116951-2005HLF                 | 0.5                         | 30  |       |
| 10116951-2010HLF                 | 1.0                         | 30  |       |
| 10116951-2015HLF                 | 1.5                         | 30  |       |
| 10116951-2020HLF                 | 2.0                         | 30  |       |
| 10116951-2025HLF                 | 2.5                         | 30  |       |
| 10116951-2030HLF                 | 3.0                         | 30  |       |
| 10116951-4005HLF                 | 0.5                         | 26  |       |
| 10116951-4010HLF                 | 1.0                         | 26  |       |
| 10116951-4015HLF                 | 1.5                         | 26  |       |
| 10116951-4020HLF                 | 2.0                         | 26  |       |
| 10116951-4025HLF                 | 2.5                         | 26  |       |
| 10116951-4030HLF                 | 3.0                         | 26  |       |
| 10116951-4035HLF                 | 3.5                         | 26  |       |
| 10116951-4040HLF                 | 4.0                         | 26  |       |
| 10116951-4042HLF                 | 4.25                        | 26  |       |
| 10116951-4045HLF                 | 4.5                         | 26  |       |
| 10116951-4050HLF                 | 5.0                         | 26  |       |

| Performance<br>Level | Unequalized cable length/AWG* |       |       |       |       |       |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|
|                      | 1M                            | 2M    | 2.5M  | 3M    | 4M    | 4.25M |
| Infiniband-QDR       | 30AWG                         | 30AWG | 30AWG | 26AWG | 26AWG | 26AWG |
| IEEE 802.3ba         | 30AWG                         | 30AWG | 30AWG | TBD   | TBD   |       |

\*MINIMUM RECOMENDED CABLE AWG IS SHOWN

|                                                                                               |                                       |                   |     |                                                                                       |                                                                                                                                      |                                                         |                 |              |
|-----------------------------------------------------------------------------------------------|---------------------------------------|-------------------|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------|--------------|
| spec ref -                                                                                    |                                       | dr Deborah Ingram |     | 2011/04/15                                                                            | <div>projection</div> <div></div> <div>MM</div> | size A2                                                 | scale 1:2       |              |
| tolerance std ASME Y14.5                                                                      | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng Ya Li         |     | 2015/08/05                                                                            |                                                                                                                                      | ecn no ELX-N-21586-1                                    |                 |              |
|                                                                                               |                                       | chr -             |     | -                                                                                     |                                                                                                                                      |                                                         |                 |              |
|                                                                                               |                                       | appr Frank Mao    |     | 2015/08/05                                                                            |                                                                                                                                      | product family -                                        |                 |              |
|                                                                                               |                                       |                   |     |                                                                                       |                                                                                                                                      | rel level Released                                      |                 |              |
| surface  | linear                                | 0.X               | ±Y  |  | title                                                                                                                                | FINAL ASSEMBLY - STANDARD<br>CXP PASSIVE CABLE ASSEMBLY | dwg no 10116951 | rev C        |
|                                                                                               |                                       | 0.XX              | ±Y  |                                                                                       |                                                                                                                                      |                                                         |                 |              |
|                                                                                               |                                       | 0.XXX             | ±Y  |                                                                                       |                                                                                                                                      |                                                         |                 |              |
| ASME Y14.5                                                                                    | angular                               | 0°                | ±Y° | www.fci.com                                                                           | cat. no. -                                                                                                                           | Product - Customer Drw                                  |                 | sheet 3 of 3 |