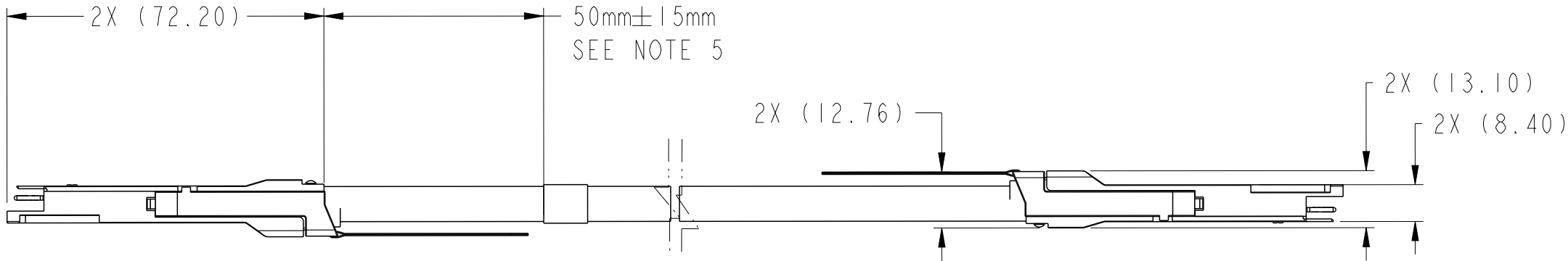
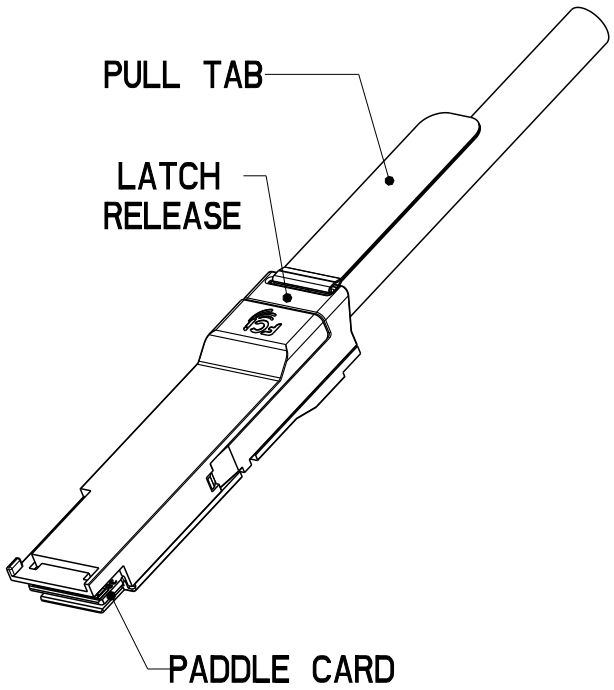
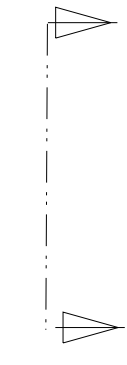


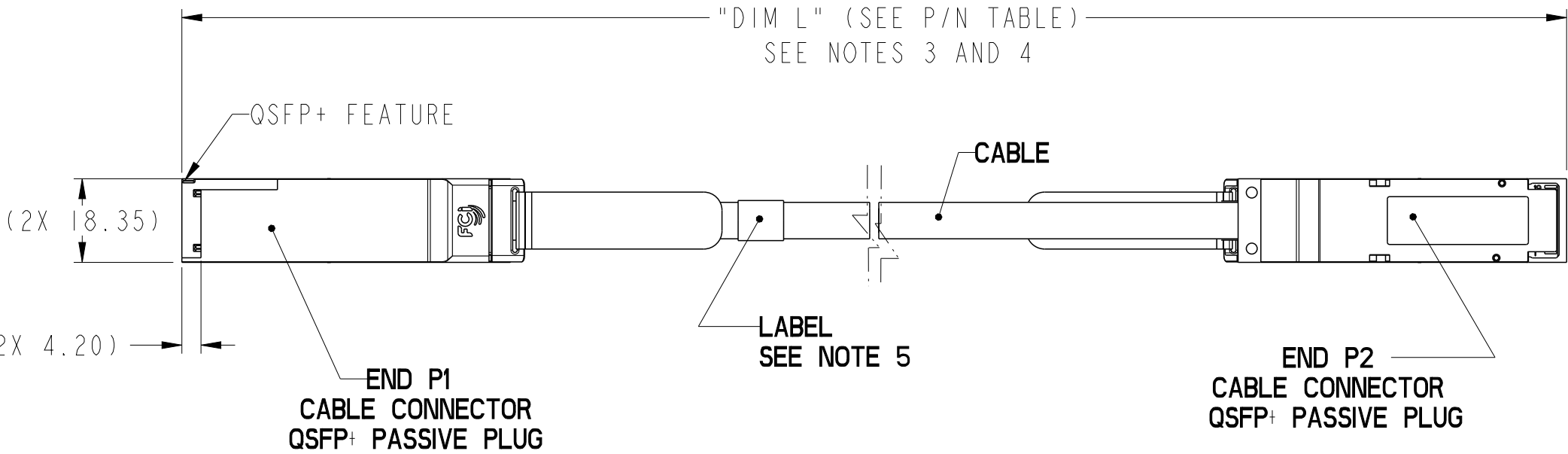
| Product number    | DESCRIPTION       | NOTES      |
|-------------------|-------------------|------------|
| 10093084-XXXXLF   | NON-HF            | SEE SHT. 3 |
| 10093084-XXXXHFLF | HALOGEN FREE (HF) | SEE SHT. 4 |

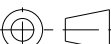


VIEW A



VIEW A



|                                                                                                  |                |            |                                                                                                                        |                                                                                                                |           |                |              |      |               |
|--------------------------------------------------------------------------------------------------|----------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------|----------------|--------------|------|---------------|
| dr                                                                                               | Deborah Ingram | 2009/07/20 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size      | A3             | scale        | 3:10 |               |
| eng                                                                                              | Michael Zhou   | 2015/05/13 |                                                                                                                        |                                                                                                                | ecn no    |                |              |      | ELX-N-20844-1 |
| chr                                                                                              | -              | -          |                                                                                                                        |                                                                                                                | rel       |                |              |      | Chan          |
| appr                                                                                             | Frank Mao      | 2015/05/13 | product family                                                                                                         |                                                                                                                | QSFP PLUG |                |              |      |               |
| <div></div> |                |            | title                                                                                                                  |                                                                                                                |           | FINAL ASSEMBLY |              | rev  |               |
|                                                                                                  |                |            | QSFP+ (PASSIVE) ASSEMBLY                                                                                               |                                                                                                                |           | 10093084       |              | L    |               |
| www.fci.com                                                                                      |                | cat. no.   | -                                                                                                                      | Product - Customer Drw                                                                                         |           |                | sheet 1 of 5 |      |               |

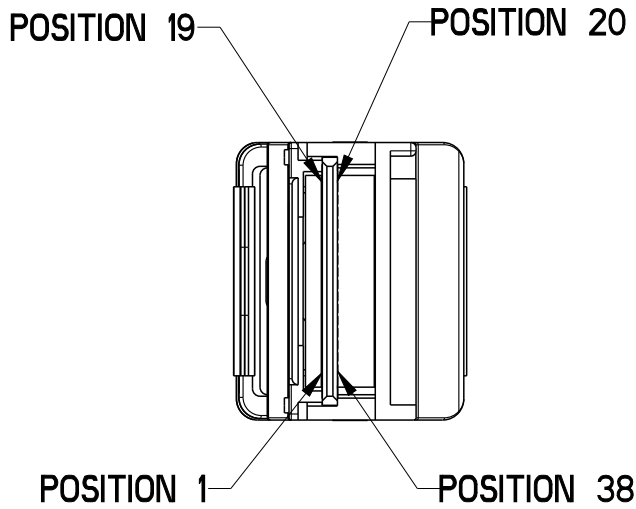


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|                   |                   |            |
|-------------------|-------------------|------------|
| Product number    | DESCRIPTION       | NOTES      |
| 10093084-XXXXLF   | NON-HF            | SEE SHT. 3 |
| 10093084-XXXXHFLF | HALOGEN FREE (HF) | SEE SHT. 4 |



## LOW SPEED SIGNALS P1 & P2

| POSITION | SYMBOL  |
|----------|---------|
| 8        | ModSeLL |
| 9        | ResetL  |
| 10       | VccRx   |
| 11       | SCL     |
| 12       | SDA     |
| 27       | ModPrsL |
| 28       | IntL    |
| 29       | VccTx   |
| 30       | VccI    |
| 31       | LPMode  |

## WIRING LIST (SEE NOTE 6)

END P1

END P2

| POSITION | SYMBOL   |      | POSITION | SYMBOL   |
|----------|----------|------|----------|----------|
| 1        | GND (TX) | ---▷ | 20       | GND (RX) |
| 2        | TX2n     | ---▷ | 21       | RX2n     |
| 3        | TX2p     | ---▷ | 22       | RX2p     |
| 4        | GND (TX) | ---▷ | 23       | GND (RX) |
| 5        | TX4n     | ---▷ | 24       | RX4n     |
| 6        | TX4p     | ---▷ | 25       | RX4p     |
| 7        | GND (TX) | ---▷ | 26       | GND (RX) |
| 13       | GND (RX) | ◁--- | 32       | GND (TX) |
| 14       | RX3p     | ◁--- | 33       | TX3p     |
| 15       | RX3n     | ◁--- | 34       | TX3n     |
| 16       | GND (RX) | ◁--- | 35       | GND (TX) |
| 17       | RX1p     | ◁--- | 36       | TX1p     |
| 18       | RX1n     | ◁--- | 37       | TX1n     |
| 19       | GND (RX) | ◁--- | 38       | GND (TX) |
| 20       | GND (RX) | ◁--- | 1        | GND (TX) |
| 21       | RX2n     | ◁--- | 2        | TX2n     |
| 22       | RX2p     | ◁--- | 3        | TX2p     |
| 23       | GND (RX) | ◁--- | 4        | GND (TX) |
| 24       | RX4n     | ◁--- | 5        | TX4n     |
| 25       | RX4p     | ◁--- | 6        | TX4p     |
| 26       | GND (RX) | ◁--- | 7        | GND (TX) |
| 32       | GND (TX) | ---▷ | 13       | GND (RX) |
| 33       | TX3p     | ---▷ | 14       | RX3p     |
| 34       | TX3n     | ---▷ | 15       | RX3p     |
| 35       | GND (TX) | ---▷ | 16       | GND (RX) |
| 36       | TX1p     | ---▷ | 17       | RX1p     |
| 37       | TX1n     | ---▷ | 18       | RX1n     |
| 38       | GND (TX) | ---▷ | 19       | GND (RX) |

SHIELD-----▷ SHIELD

|             |                |                                            |                                   |                           |                   |               |     |
|-------------|----------------|--------------------------------------------|-----------------------------------|---------------------------|-------------------|---------------|-----|
| dr          | Deborah Ingram | 2009/07/20                                 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size              | scale         |     |
| eng         | Michael Zhou   | 2015/05/13                                 |                                   |                           | A3                | 3:10          |     |
| chr         | -              | -                                          |                                   |                           | ecn no            | ELX-N-20844-1 |     |
| appr        | Frank Mao      | 2015/05/13                                 | product family                    | QSFP PLUG                 | rel Chan Released |               |     |
|             | title          | FINAL ASSEMBLY<br>QSFP+ (PASSIVE) ASSEMBLY |                                   |                           | dwg no            | 10093084      | rev |
|             |                |                                            |                                   |                           |                   |               |     |
| www.fci.com | cat. no.       | -                                          | Product - Customer Drw            |                           |                   | sheet 2 of 5  |     |



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NON-HALOGEN FREE CABLE ASSEMBLY PART NUMBERS

| PART NUMBER     | "DIM L" LENGTH (Meters) | AWG | NOTES   |
|-----------------|-------------------------|-----|---------|
| 10093084-1005LF | 0.5                     | 32  | NOTE 12 |
| 10093084-1010LF | 1.0                     | 32  |         |
| 10093084-2005LF | 0.5                     | 30  | NOTE 12 |
| 10093084-200ALF | 0.75                    | 30  |         |
| 10093084-2010LF | 1.0                     | 30  |         |
| 10093084-2015LF | 1.5                     | 30  |         |
| 10093084-2020LF | 2.0                     | 30  |         |
| 10093084-2025LF | 2.5                     | 30  |         |
| 10093084-2030LF | 3.0                     | 30  |         |
| 10093084-2050LF | 5.0                     | 30  |         |
| 10093084-2070LF | 7.0                     | 30  |         |
| 10093084-3005LF | 0.5                     | 28  | NOTE 12 |
| 10093084-3010LF | 1.0                     | 28  |         |
| 10093084-3015LF | 1.5                     | 28  |         |
| 10093084-3020LF | 2.0                     | 28  |         |
| 10093084-3025LF | 2.5                     | 28  |         |
| 10093084-3030LF | 3.0                     | 28  |         |
| 10093084-3035LF | 3.5                     | 28  |         |
| 10093084-3040LF | 4.0                     | 28  |         |
| 10093084-3045LF | 4.5                     | 28  |         |
| 10093084-3050LF | 5.0                     | 28  |         |
| 10093084-3070LF | 7.0                     | 28  |         |
| 10093084-4005LF | 0.5                     | 26  | NOTE 12 |
| 10093084-4010LF | 1.0                     | 26  |         |
| 10093084-4015LF | 1.5                     | 26  |         |
| 10093084-4020LF | 2.0                     | 26  |         |
| 10093084-4025LF | 2.5                     | 26  |         |
| 10093084-4030LF | 3.0                     | 26  |         |
| 10093084-4035LF | 3.5                     | 26  |         |
| 10093084-4040LF | 4.0                     | 26  |         |
| 10093084-4045LF | 4.5                     | 26  |         |
| 10093084-4050LF | 5.0                     | 26  |         |
| 10093084-4055LF | 5.5                     | 26  |         |
| 10093084-4060LF | 6.0                     | 26  |         |
| 10093084-4065LF | 6.5                     | 26  |         |
| 10093084-4070LF | 7.0                     | 26  |         |

| PART NUMBER     | "DIM L" LENGTH (Meters) | AWG | NOTES   |
|-----------------|-------------------------|-----|---------|
| 10093084-5005LF | 0.5                     | 24  | NOTE 12 |
| 10093084-5010LF | 1.0                     | 24  |         |
| 10093084-5015LF | 1.5                     | 24  |         |
| 10093084-5020LF | 2.0                     | 24  |         |
| 10093084-5025LF | 2.5                     | 24  |         |
| 10093084-5030LF | 3.0                     | 24  |         |
| 10093084-5035LF | 3.5                     | 24  |         |
| 10093084-5040LF | 4.0                     | 24  |         |
| 10093084-5045LF | 4.5                     | 24  |         |
| 10093084-5050LF | 5.0                     | 24  |         |
| 10093084-5055LF | 5.5                     | 24  |         |
| 10093084-5060LF | 6.0                     | 24  |         |
| 10093084-5065LF | 6.5                     | 24  |         |
| 10093084-5070LF | 7.0                     | 24  |         |
| 10093084-5075LF | 7.5                     | 24  |         |
| 10093084-5080LF | 8.0                     | 24  |         |
| 10093084-5085LF | 8.5                     | 24  |         |
| 10093084-5090LF | 9.0                     | 24  |         |
| 10093084-5095LF | 9.5                     | 24  |         |
| 10093084-5100LF | 10.0                    | 24  |         |

|             |                |            |                                   |                           |                |                        |               |        |  |          |              |     |  |   |
|-------------|----------------|------------|-----------------------------------|---------------------------|----------------|------------------------|---------------|--------|--|----------|--------------|-----|--|---|
| dr          | Deborah Ingram | 2009/07/20 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size           | A3                     | scale         | 1:1    |  |          |              |     |  |   |
| eng         | Michael Zhou   | 2015/05/13 |                                   |                           | ecn no         | ELX-N-20844-1          |               |        |  |          |              |     |  |   |
| chr         | -              | -          |                                   |                           |                | rel                    | Chan Released |        |  |          |              |     |  |   |
| appr        | Frank Mao      | 2015/05/13 | product family                    |                           |                |                        | QSFP PLUG     |        |  |          |              |     |  |   |
|             |                | title      |                                   |                           | FINAL ASSEMBLY |                        |               | dwg no |  | 10093084 |              | rev |  | L |
| www.fci.com |                | cat. no.   |                                   | -                         |                | Product - Customer Drw |               |        |  |          | sheet 3 of 5 |     |  |   |



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| PART NUMBER       | "DIM L" LENGTH (Meters) | AWG | NOTES   |
|-------------------|-------------------------|-----|---------|
| 10093084-1005HFLF | 0.5                     | 32  | NOTE 11 |
| 10093084-1010HFLF | 1.0                     | 32  |         |
|                   |                         |     |         |
| 10093084-2005HFLF | 0.5                     | 30  | NOTE 11 |
| 10093084-200AHFLF | 0.75                    | 30  |         |
| 10093084-2010HFLF | 1.0                     | 30  |         |
| 10093084-2015HFLF | 1.5                     | 30  |         |
| 10093084-2020HFLF | 2.0                     | 30  |         |
| 10093084-2025HFLF | 2.5                     | 30  |         |
| 10093084-2030HFLF | 3.0                     | 30  |         |
| 10093084-2050HFLF | 5.0                     | 30  |         |
| 10093084-2070HFLF | 7.0                     | 30  |         |
|                   |                         |     |         |
| 10093084-3005HFLF | 0.5                     | 28  | NOTE 11 |
| 10093084-3010HFLF | 1.0                     | 28  |         |
| 10093084-3015HFLF | 1.5                     | 28  |         |
| 10093084-3020HFLF | 2.0                     | 28  |         |
| 10093084-3025HFLF | 2.5                     | 28  |         |
| 10093084-3030HFLF | 3.0                     | 28  |         |
| 10093084-3035HFLF | 3.5                     | 28  |         |
| 10093084-3040HFLF | 4.0                     | 28  |         |
| 10093084-3045HFLF | 4.5                     | 28  |         |
| 10093084-3050HFLF | 5.0                     | 28  |         |
| 10093084-3070HFLF | 7.0                     | 28  |         |
|                   |                         |     |         |
| 10093084-4005HFLF | 0.5                     | 26  | NOTE 11 |
| 10093084-4010HFLF | 1.0                     | 26  |         |
| 10093084-4015HFLF | 1.5                     | 26  |         |
| 10093084-4020HFLF | 2.0                     | 26  |         |
| 10093084-4025HFLF | 2.5                     | 26  |         |
| 10093084-4030HFLF | 3.0                     | 26  |         |
| 10093084-4035HFLF | 3.5                     | 26  |         |
| 10093084-4040HFLF | 4.0                     | 26  |         |
| 10093084-4045HFLF | 4.5                     | 26  |         |
| 10093084-4050HFLF | 5.0                     | 26  |         |
| 10093084-4055HFLF | 5.5                     | 26  |         |
| 10093084-4060HFLF | 6.0                     | 26  |         |
| 10093084-4065HFLF | 6.5                     | 26  |         |
| 10093084-4070HFLF | 7.0                     | 26  |         |

HALOGEN FREE CABLE ASSEMBLY PART NUMBERS

2

2

3

3

PDS: Rev :L

4

4

STATUS:Released

Printed: May 13, 2015

| PART NUMBER       | "DIM L" LENGTH (Meters) | AWG | NOTES   |
|-------------------|-------------------------|-----|---------|
| 10093084-5005HFLF | 0.5                     | 24  | NOTE 11 |
| 10093084-5010HFLF | 1.0                     | 24  |         |
| 10093084-5015HFLF | 1.5                     | 24  |         |
| 10093084-5020HFLF | 2.0                     | 24  |         |
| 10093084-5025HFLF | 2.5                     | 24  |         |
| 10093084-5030HFLF | 3.0                     | 24  |         |
| 10093084-5035HFLF | 3.5                     | 24  |         |
| 10093084-5040HFLF | 4.0                     | 24  |         |
| 10093084-5045HFLF | 4.5                     | 24  |         |
| 10093084-5050HFLF | 5.0                     | 24  |         |
| 10093084-5055HFLF | 5.5                     | 24  |         |
| 10093084-5060HFLF | 6.0                     | 24  |         |
| 10093084-5065HFLF | 6.5                     | 24  |         |
| 10093084-5070HFLF | 7.0                     | 24  |         |
| 10093084-5075HFLF | 7.5                     | 24  |         |
| 10093084-5080HFLF | 8.0                     | 24  |         |
| 10093084-5085HFLF | 8.5                     | 24  |         |
| 10093084-5090HFLF | 9.0                     | 24  |         |
| 10093084-5095HFLF | 9.5                     | 24  |         |
| 10093084-5100HFLF | 10.0                    | 24  |         |

A

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C

D

|                        |                |                            |                                   |                           |         |                        |          |              |
|------------------------|----------------|----------------------------|-----------------------------------|---------------------------|---------|------------------------|----------|--------------|
| dr                     | Deborah Ingram | 2009/07/20                 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size    | A3                     | scale    | 3:10         |
| eng                    | Michael Zhou   | 2015/05/13                 |                                   |                           | ec n no | ELX-N-20844-1          |          |              |
| chr                    | -              | -                          |                                   |                           | rel     | Chan Released          |          |              |
| appr                   | Frank Mao      | 2015/05/13                 | product family                    | QSFP PLUG                 |         |                        |          |              |
| <div>www.fci.com</div> |                | cat. no.                   |                                   | -                         |         | Product - Customer Drw |          | sheet 4 of 5 |
| <div>FCI</div>         |                | FINAL ASSEMBLY             |                                   |                           |         | dwg no                 | 10093084 |              |
|                        |                | + QSFP+ (PASSIVE) ASSEMBLY |                                   |                           |         |                        |          | rev          |
|                        |                |                            |                                   |                           |         |                        |          | L            |

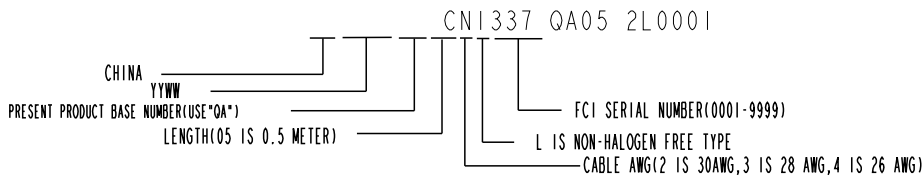
| Product number    | DESCRIPTION       | NOTES      |
|-------------------|-------------------|------------|
| 10093084-XXXXLF   | NON-HF            | SEE SHT. 3 |
| 10093084-XXXXHFLF | HALOGEN FREE (HF) | SEE SHT. 4 |

NOTES:

- ① - MATERIAL:  
CASTINGS: ZINC ALLOY/ COPPER UNDERPLATE/ NICKEL OVERPLATE  
PULL TAB: THERMOPLASTIC POLYMER  
LATCH RELEASE: ZINC DIECAST, NICKEL OVERPLATE  
DRIVE SCREWS: STAINLESS STEEL  
STRAIN RELIEF COLLAR: BRASS  
SPRING: STAINLESS STEEL  
PADDLE CARD: PRINTED CIRCUIT SUBSTRATE
- 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 =  $\pm 25\text{mm}$   
"DIM L" = 1 METER TO 10 METERS =  $\pm 2\%$  OF "DIM L"  
"DIM L" > 10 METERS =  $+0.00 / -4\%$  OF "DIM L"

- ⑤- UNLESS OTHERWISE SPECIFIED LABEL POSITION IS TO BE 50mm FROM REAR OF CONNECTOR.
- LABEL DETAILS:
- |                                             |                |
|---------------------------------------------|----------------|
| MANUFACTURER CODE OR NAME                   | COUNTRY ORIGIN |
| CUSTOMER P/N OR FCI P/N                     |                |
| REVISION                                    |                |
| DATE CODE (YY/MM/DD FORMAT) - SERIAL NUMBER |                |
| 2D BAR CODE OF 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 - IMPEDANCE:  $100\Omega$  DIFFERENTIAL.
- 8 - OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-622.
- 9 - PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING PER SPECIFICATION GS-14-920. PACKAGE CABLE ASSEMBLIES PER GS-14-1272. DUST CAPS ARE TO BE ASSEMBLED PRIOR TO PACKAGING.
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.

- ⑪ "HF" PRODUCT NUMBERS DESIGNATE THE USE OF HALOGEN FREE RAW CABLE.
- ⑫ HALOGEN FREE RAW CABLE CAN BE USED AS A SUBSTITUTE ON NON-HF PRODUCT NUMBERS.
13. LONGER LENGTH APPLICATIONS REQUIRE HOST SYSTEM PREMPHASIS AND/OR EQUALIZATION.
14. PRODUCT CAPABILITY MATRIX SHOWS THE MINIMUM RECOMMENDED CABLE GAUGE PER LENGTH TO MEET THE PERFORMANCE LEVEL OF EACH INDUSTRY STANDARD.
15. RAW CABLE IS OPTIONAL□WHICH HAD BEEN QUALIFIED BY FCI AND MEET FCI PRODUCT SPEC GS-12-622

| PRODUCT CAPABILITY MATRIX (SEE NOTE 14) |                    |    |    |    |    |    |    |    |    |     |
|-----------------------------------------|--------------------|----|----|----|----|----|----|----|----|-----|
| PERFORMANCE LEVEL                       | CABLE LENGTH / AWG |    |    |    |    |    |    |    |    |     |
|                                         | 1M                 | 2M | 3M | 4M | 5M | 6M | 7M | 8M | 9M | 10M |
| Infiniband - QDR                        | 30                 | 30 | 30 | 28 | 26 | 24 |    |    |    |     |
| Infiniband - DDR                        | 30                 | 30 | 30 | 28 | 28 | 26 | 26 | 24 | 24 | 24  |
| Infiniband - SDR                        | 30                 | 30 | 30 | 28 | 28 | 26 | 26 | 24 | 24 | 24  |

|               |  |                                       |  |       |  |                |  |              |  |            |  |                |  |                        |  |        |  |               |  |              |  |                |  |           |  |           |  |          |  |
|---------------|--|---------------------------------------|--|-------|--|----------------|--|--------------|--|------------|--|----------------|--|------------------------|--|--------|--|---------------|--|--------------|--|----------------|--|-----------|--|-----------|--|----------|--|
| spec ref      |  |                                       |  | dr    |  | Deborah Ingram |  | 2009/07/20   |  | projection |  | mm             |  | size                   |  | A3     |  | scale         |  | 3:10         |  |                |  |           |  |           |  |          |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       |  | eng            |  | Michael Zhou |  | 2015/05/13 |  |                |  |                        |  | ecn no |  | ELX-N-20844-1 |  |              |  |                |  |           |  |           |  |          |  |
|               |  |                                       |  |       |  | chr            |  | -            |  | -          |  |                |  |                        |  |        |  |               |  |              |  |                |  |           |  |           |  |          |  |
|               |  |                                       |  |       |  | appr           |  | Frank Mao    |  | 2015/05/13 |  |                |  |                        |  |        |  |               |  |              |  | product family |  | QSFP PLUG |  | rel level |  | Released |  |
| surface       |  | linear                                |  | 0.X   |  | ±0.3           |  |              |  | title      |  | FINAL ASSEMBLY |  |                        |  |        |  | dwg no        |  | 10093084     |  |                |  |           |  | rev       |  | L        |  |
|               |  |                                       |  | 0.XX  |  | ±0.10          |  |              |  |            |  |                |  |                        |  |        |  |               |  |              |  |                |  |           |  |           |  |          |  |
|               |  |                                       |  | 0.XXX |  | ±0.050         |  |              |  |            |  |                |  |                        |  |        |  |               |  |              |  |                |  |           |  |           |  |          |  |
|               |  | angular                               |  | 0°    |  | ±2°            |  | www.fci.com  |  | cat. no.   |  | -              |  | Product - Customer Drw |  |        |  |               |  | sheet 5 of 5 |  |                |  |           |  |           |  |          |  |

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## Contact Us :

### ➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

### ➤ Sales :

Direct +86 (21) 6401-6692  
Email [amall@ameya360.com](mailto:amall@ameya360.com)  
QQ 800077892  
Skype ameyasales1 ameyasales2

### ➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

### ➤ Partnership :

Tel +86 (21) 64016692-8333  
Email [mkt@ameya360.com](mailto:mkt@ameya360.com)