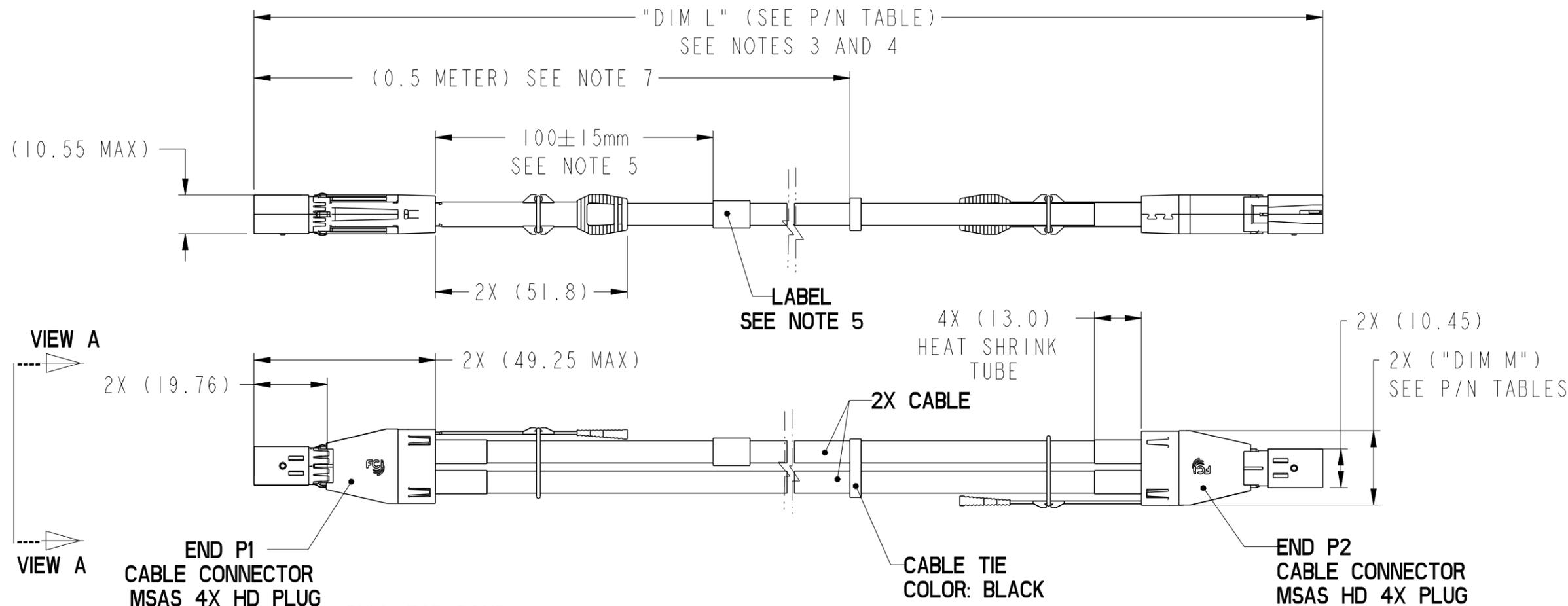


| PRODUCT NUMBER | DESCRIPTION | NOTES |
|------------------|------------------|------------|
| 10112041-XXXXLF | NON-HF | SEE SHT. 3 |
| 10112041-XXXXHLF | HALOGEN FREE (H) | SEE SHT. 4 |



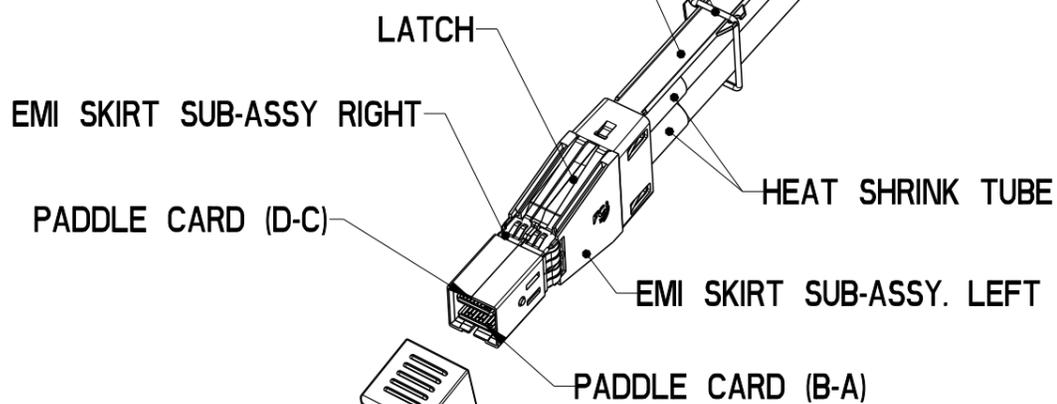
VIEW A

VIEW A

END P1
CABLE CONNECTOR
MSAS 4X HD PLUG

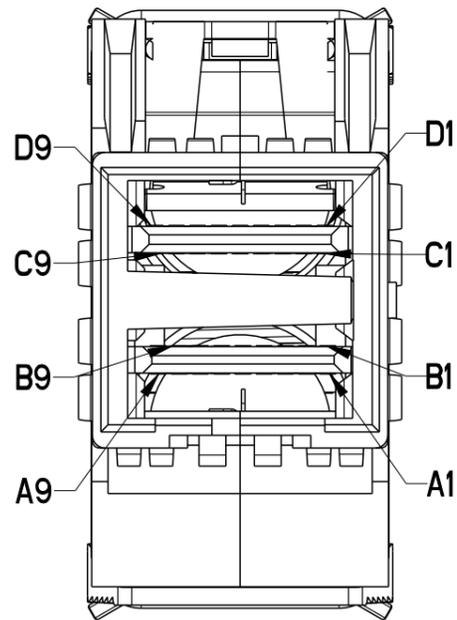
PULL TAB BAND

PULL TAB
LATCH RELEASE



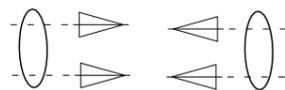
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|-------------|----------------|------------|---|----|------------------------|----|--------------|-----|
| dr | Deborah Ingram | 2010/05/07 | projection | mm | size | A3 | scale | 1:2 |
| eng | Deborah Ingram | 2012/01/26 | | | ecn no | | - | |
| chr | - | - | | | rel level | | Released | |
| appr | Brad Brubaker | 2012/01/26 | product family | | C&A | | - | |
| | | | title FINAL ASSEMBLY (PASSIVE) MSAS HD 4X ASSEMBLY (3Gb/s - 6Gb/s) | | dwg no 10112041 | | rev A | |
| www.fci.com | | | cat. no. - | | Product - Customer Drw | | sheet 1 of 5 | |

| PRODUCT NUMBER | DESCRIPTION | NOTES |
|------------------|------------------|------------|
| 10112041-XXXXLF | NON-HF | SEE SHT. 3 |
| 10112041-XXXXHLF | HALOGEN FREE (H) | SEE SHT. 4 |



P1
VIEW A
SCALE 4:1

LEGEND:



HIGH-SPEED SERIAL
DIFFERENTIAL PAIRS



SIGNAL RETURN



POWER AND MANAGEMENT
INTERFACE

WIRING LIST (SEE NOTE 6)

| END P1 | | | END P2 | |
|----------|----------|---------|----------|----------|
| 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 | Vman | ◀ ▶ | B2 | ModPrsL |
| D1 | Vact | ◀ ▶ | B1 | Vact |
| C1 | SCL | ◀ ▶ | A1 | Reserved |
| C2 | SDA | ◀ ▶ | A2 | IntL |
| 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 | ModPrsL | ◀ ▶ | D2 | Vman |
| B1 | Vact | ◀ ▶ | D1 | Vact |
| A1 | Reserved | ◀ ▶ | C1 | SCL |
| A2 | IntL | ◀ ▶ | C2 | SDA |
| 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 |

SHIELD-----▶ SHIELD

| | | | | | | | | |
|-------------|----------------|------------|----------------|--------------------------|------------------------|----------|--------------|----------|
| dr | Deborah Ingram | 2010/05/07 | projection | mm | size | A3 | scale | 1:2 |
| eng | Deborah Ingram | 2012/01/26 | | | ecn no | - | rel level | Released |
| chr | - | - | | | | | | |
| appr | Brad Brubaker | 2012/01/26 | product family | C&A | | | | |
| | | | title | FINAL ASSEMBLY (PASSIVE) | dwg no | 10112041 | rev | A |
| www.fci.com | | | cat. no. | - | Product - Customer Drw | | sheet 2 of 5 | |

| PART NUMBER (NON-HALOGEN FREE) SEE NOTE 12 | "DIM L" LENGTH (Meters) | "DIM M" (mm) | AWG |
|--|-------------------------|-----------------|-----|
| 10112041-2005LF | 0.5 | 17.3 | 30 |
| 10112041-2010LF | 1.0 | 17.3 | 30 |
| 10112041-2015LF | 1.5 | 17.3 | 30 |
| 10112041-2020LF | 2.0 | 17.3 | 30 |
| 10112041-2025LF | 2.5 | 17.3 | 30 |
| 10112041-2030LF | 3.0 | 17.3 | 30 |
| 10112041-2040LF | 4.0 | 17.3 | 30 |
| 10112041-3010LF | 1.0 | 17.3 | 28 |
| 10112041-3015LF | 1.5 | 17.3 | 28 |
| 10112041-3020LF | 2.0 | 17.3 | 28 |
| 10112041-3025LF | 2.5 | 17.3 | 28 |
| 10112041-3030LF | 3.0 | 17.3 | 28 |
| 10112041-3035LF | 3.5 | 17.3 | 28 |
| 10112041-3040LF | 4.0 | 17.3 | 28 |
| 10112041-3045LF | 4.5 | 17.3 | 28 |
| 10112041-3050LF | 5.0 | 17.3 | 28 |
| 10112041-3060LF | 6.0 | 17.3 | 28 |
| 10112041-4020LF | 2.0 | 20.1 | 26 |
| 10112041-4025LF | 2.5 | 20.1 | 26 |
| 10112041-4030LF | 3.0 | 20.1 | 26 |
| 10112041-4035LF | 3.5 | 20.1 | 26 |
| 10112041-4040LF | 4.0 | 20.1 | 26 |
| 10112041-4045LF | 4.5 | 20.1 | 26 |
| 10112041-4050LF | 5.0 | 20.1 | 26 |
| 10112041-4055LF | 5.5 | 20.1 | 26 |
| 10112041-4060LF | 6.0 | 20.1 | 26 |
| 10112041-4065LF | 6.5 | 20.1 | 26 |
| 10112041-4070LF | 7.0 | 20.1 | 26 |
| 10112041-4080LF | 8.0 | 20.1 | 26 |

| PART NUMBER (NON- HALOGEN FREE) SEE NOTE 12 | "DIM L" LENGTH (Meters) | "DIM M" (mm) | AWG |
|---|-------------------------|-----------------|-----|
| 10112041-5030LF | 3.0 | 20.1 | 24 |
| 10112041-5035LF | 3.5 | 20.1 | 24 |
| 10112041-5040LF | 4.0 | 20.1 | 24 |
| 10112041-5045LF | 4.5 | 20.1 | 24 |
| 10112041-5050LF | 5.0 | 20.1 | 24 |
| 10112041-5055LF | 5.5 | 20.1 | 24 |
| 10112041-5060LF | 6.0 | 20.1 | 24 |
| 10112041-5065LF | 6.5 | 20.1 | 24 |
| 10112041-5070LF | 7.0 | 20.1 | 24 |
| 10112041-5075LF | 7.5 | 20.1 | 24 |
| 10112041-5080LF | 8.0 | 20.1 | 24 |
| 10112041-5085LF | 8.5 | 20.1 | 24 |
| 10112041-5090LF | 9.0 | 20.1 | 24 |
| 10112041-5095LF | 9.5 | 20.1 | 24 |
| 10112041-5100LF | 10.0 | 20.1 | 24 |

NON-HALOGEN FREE CABLE ASSEMBLY PART NUMBERS



Copyright FCI.

| | | | | | | | | |
|-------------|----------------|------------|----------------|------------------------|--------------|--------------------------|--------|----------|
| dr | Deborah Ingram | 2010/05/07 | projection | mm ←→ | size | A3 | scale | 1:2 |
| eng | Deborah Ingram | 2012/01/26 | | | ecn no | - | | |
| chr | - | - | product family | C&A | rel level | Released | | |
| appr | Brad Brubaker | 2012/01/26 | | | title | FINAL ASSEMBLY (PASSIVE) | dwg no | 10112041 |
| www.fci.com | | cat. no. | - | Product - Customer Drw | sheet 3 of 5 | | | |

| PART NUMBER (HALOGEN FREE) SEE NOTE 11 | "DIM L" LENGTH (Meters) | "DIM M" (mm) | AWG |
|--|-------------------------|-----------------|-----|
| 10112041-2005HLF | 0.5 | 17.3 | 30 |
| 10112041-2010HLF | 1.0 | 17.3 | 30 |
| 10112041-2015HLF | 1.5 | 17.3 | 30 |
| 10112041-2020HLF | 2.0 | 17.3 | 30 |
| 10112041-2025HLF | 2.5 | 17.3 | 30 |
| 10112041-2030HLF | 3.0 | 17.3 | 30 |
| 10112041-2040HLF | 4.0 | 17.3 | 30 |
| 10112041-3010HLF | 1.0 | 17.3 | 28 |
| 10112041-3015HLF | 1.5 | 17.3 | 28 |
| 10112041-3020HLF | 2.0 | 17.3 | 28 |
| 10112041-3025HLF | 2.5 | 17.3 | 28 |
| 10112041-3030HLF | 3.0 | 17.3 | 28 |
| 10112041-3035HLF | 3.5 | 17.3 | 28 |
| 10112041-3040HLF | 4.0 | 17.3 | 28 |
| 10112041-3045HLF | 4.5 | 17.3 | 28 |
| 10112041-3050HLF | 5.0 | 17.3 | 28 |
| 10112041-3060HLF | 6.0 | 17.3 | 28 |
| 10112041-4020HLF | 2.0 | 20.1 | 26 |
| 10112041-4025HLF | 2.5 | 20.1 | 26 |
| 10112041-4030HLF | 3.0 | 20.1 | 26 |
| 10112041-4035HLF | 3.5 | 20.1 | 26 |
| 10112041-4040HLF | 4.0 | 20.1 | 26 |
| 10112041-4045HLF | 4.5 | 20.1 | 26 |
| 10112041-4050HLF | 5.0 | 20.1 | 26 |
| 10112041-4055HLF | 5.5 | 20.1 | 26 |
| 10112041-4060HLF | 6.0 | 20.1 | 26 |
| 10112041-4065HLF | 6.5 | 20.1 | 26 |
| 10112041-4070HLF | 7.0 | 20.1 | 26 |
| 10112041-4080HLF | 8.0 | 20.1 | 26 |

| PART NUMBER (HALOGEN FREE) SEE NOTE 11 | "DIM L" LENGTH (Meters) | "DIM M" (mm) | AWG |
|--|-------------------------|-----------------|-----|
| 10112041-5030HLF | 3.0 | 20.1 | 24 |
| 10112041-5035HLF | 3.5 | 20.1 | 24 |
| 10112041-5040HLF | 4.0 | 20.1 | 24 |
| 10112041-5045HLF | 4.5 | 20.1 | 24 |
| 10112041-5050HLF | 5.0 | 20.1 | 24 |
| 10112041-5055HLF | 5.5 | 20.1 | 24 |
| 10112041-5060HLF | 6.0 | 20.1 | 24 |
| 10112041-5065HLF | 6.5 | 20.1 | 24 |
| 10112041-5070HLF | 7.0 | 20.1 | 24 |
| 10112041-5075HLF | 7.5 | 20.1 | 24 |
| 10112041-5080HLF | 8.0 | 20.1 | 24 |
| 10112041-5085HLF | 8.5 | 20.1 | 24 |
| 10112041-5090HLF | 9.0 | 20.1 | 24 |
| 10112041-5095HLF | 9.5 | 20.1 | 24 |
| 10112041-5100HLF | 10.0 | 20.1 | 24 |

HALOGEN FREE CABLE ASSEMBLY PART NUMBERS



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| | | | | | | | | |
|------|----------------|---|----------------|--------------------|-------------|----------|-------|------------------------|
| dr | Deborah Ingram | 2010/05/07 | projection | mm | size | A3 | scale | 1:2 |
| eng | Deborah Ingram | 2012/01/26 | | | ecn no | - | | |
| chr | - | - | product family | C&A | rel level | Released | | |
| appr | Brad Brubaker | 2012/01/26 | | | www.fci.com | cat. no. | - | Product - Customer Drw |
| | | FINAL ASSEMBLY (PASSIVE) MSAS HD 4X ASSEMBLY (3Gb/s - 6Gb/s) | | dwg no 10112041 | rev A | | | |

| PRODUCT NUMBER | DESCRIPTION | NOTES |
|------------------|------------------|------------|
| 10112041-XXXXLF | NON-HF | SEE SHT. 3 |
| 10112041-XXXXHLF | HALOGEN FREE (H) | SEE SHT. 4 |

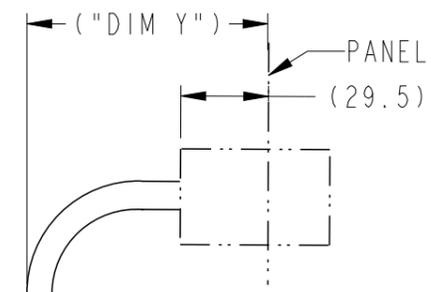
NOTES:

- 1 - MATERIAL:
 BACK SHELLS: ZINC ALLOY/ COPPER UNDERPLATE/ NICKEL OVERPLATE
 PULL TAB: THERMOPLASTIC POLYMER
 LATCH : STAINLESS STEEL
 FERRULE: BRASS
 EMI SKIRT: STAINLESS STEEL
 LOCTITE
 PADDLE CARD: PRINTED CIRCUIT SUBSTRATE
 HEAT SHRINK TUBE: HIGH POLYMER
- 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 10 METERS = ± 2% OF "DIM L"
 "DIM L" > 10 METERS = +0.00/-4% OF "DIM L"
- 5- LABEL DETAILS:
 MANUFACTURER CODE OR NAME COUNTRY OF ORIGIN
 CUSTOMER P/N OR FCI P/N
 REVISION
 DATE CODE (YY/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. PLACE A CABLE TIE EVERY 0.5 METER ON ALL ASSEMBLIES, UNLESS OTHERWISE SPECIFIED. IN CASE OF 0.5 METER CABLE ASSEMBLY, CABLE TIE IS TO BE APPLIED AT THE MIDWAY POINT.
- 8 - OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-651.
- 9 - 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 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. "H" 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. MEETS ELECTRICAL REQUIREMENTS OF SAS 2.1.
14. MATES WITH SERIES: 10112626 or 10112627 or 10112628

| MINIMUM CABLE BEND TABLE | | |
|--------------------------|-----------------|---------------------|
| CABLE | ("DIM Y") HF | ("DIM Y") NON-HF |
| 24 AWG | 92.8 | 90.5 |
| 26 AWG | 87.5 | 85.1 |
| 28 AWG | 81.5 | 79.1 |
| 30 AWG | 77.9 | 74.3 |



PEND RADIUS
TOP VIEW OF CONNECTOR

| | | | | | | | | |
|-------------|----------------|--|------------|----|------------------------|-----------------|--------------|-----|
| dr | Deborah Ingram | 2010/05/07 | projection | mm | size | A3 | scale | 1:2 |
| eng | Deborah Ingram | 2012/01/26 | | | product family | C&A | ecn no | - |
| chr | - | - | | | | | | |
| appr | Brad Brubaker | 2012/01/26 | | | | | | |
| | | FINAL ASSEMBLY (PASSIVE) MSAS HD 4X ASSEMBLY (3Gb/s - 6Gb/s) | | | dwg no 10112041 | rev A | | |
| www.fci.com | | cat. no. | - | | Product - Customer Drw | | sheet 5 of 5 | |