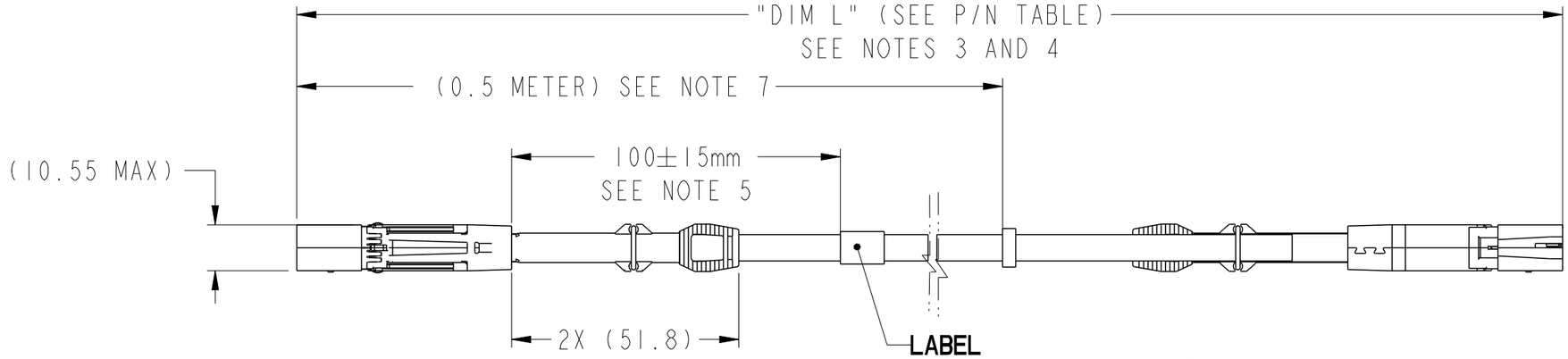
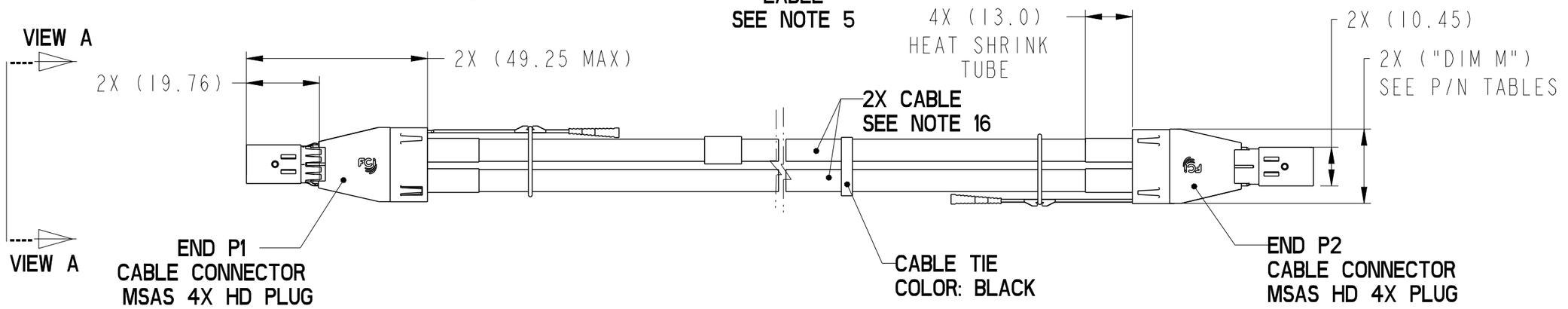
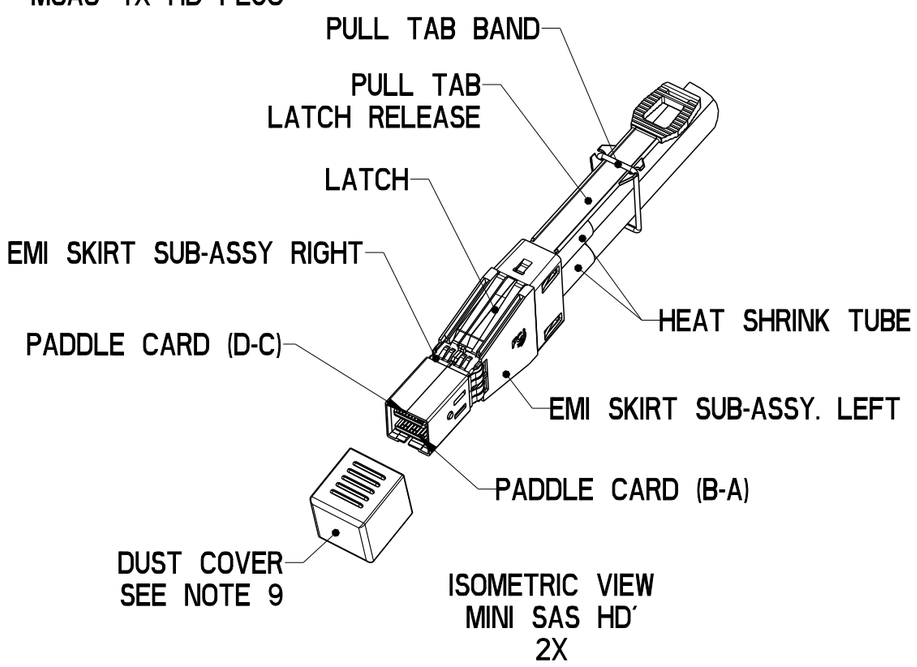
PRODUCT NUMBER	DESCRIPTION	NOTES
10112041-XXXXLF	NON-HF	SEE SHT. 3
10112041-XXXXHLF	HALOGEN FREE (H)	SEE SHT. 4







dr	Deborah Ingram	2010/05/07	projection	mm	size A3 / scale 1:2
eng	Tom Feng	2015/08/12			ecn no ELX-N-21649-1
chr	-	-			
appr	Frank Mao	2015/08/12	product family C&A		rel level Released

FCI	title: FINAL ASSEMBLY (PASSIVE) MSAS HD 4X ASSEMBLY (3Gb/s - 6Gb/s)	dwg no 10112041	rev D
www.fci.com	cat. no. -	Product - Customer Drw	sheet 1 of 5

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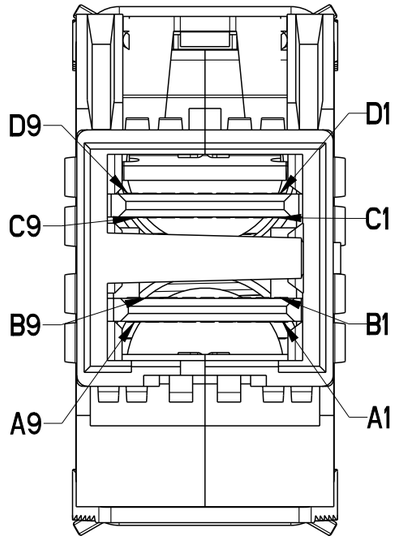
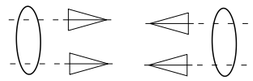
PRODUCT NUMBER	DESCRIPTION	NOTES
10112041-XXXXLF	NON-HF	SEE SHT. 3
10112041-XXXXHLF	HALOGEN FREE (H)	SEE SHT. 4



P1

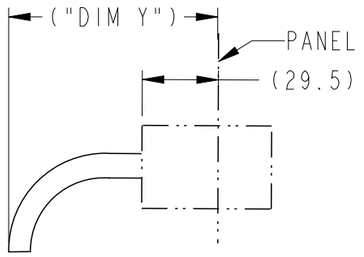
P1
VIEW A
SCALE 4:1

LEGEND:

	HIGH-SPEED SERIAL DIFFERENTIAL PAIRS
	SIGNAL RETURN
	POWER AND MANAGEMENT INTERFACE

MINIMUM CABLE BEND TABLE

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



PEND RADIUS
TOP VIEW OF CONNECTOR

WIRING LIST (SEE NOTE 6)

END P1 POSITION	END P1 SYMBOL		END P2 POSITION	END P2 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	Tom Feng	2015/08/12			ecn no ELX-N-21649-1
chr	-	-			
appr	Frank Mao	2015/08/12	product family C&A		rel level Released

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title: FINAL ASSEMBLY (PASSIVE)
MSAS HD 4X ASSEMBLY (3Gb/s - 6Gb/s)

dwg no 10112041 rev D

cat. no. - | Product - Customer Drw | sheet 2 of 5

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PART NUMBER (NON-HALOGEN FREE) SEE NOTE 12 AND 16	"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
10112041-3065LF ONLY FOR CUSTOMER SPECIAL APPLIACATION, NOT STD OFFERING FOR THIS LENGTH	6.5	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 AND 16	"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

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dr	Deborah Ingram	2010/05/07	projection	mm	size A3	scale 1:2
eng	Tom Feng	2015/08/12			ecn no	ELX-N-21649-1
chr	-	-				
appr	Frank Mao	2015/08/12	product family	C&A	rel level	Released

www.fci.com	title: FINAL ASSEMBLY (PASSIVE) MSAS HD 4X ASSEMBLY (3Gb/s - 6Gb/s)	dwg no 10112041	rev D
	cat. no. -	Product - Customer Drw	sheet 3 of 5

PART NUMBER (HALOGEN FREE) SEE NOTE 11 AND 16	"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 AND 16	"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	Tom Feng	2015/08/12			ecn no	ELX-N-21649-1
chr	-	-			rel level	Released
appr	Frank Mao	2015/08/12	product family	C&A		

www.fci.com	title: FINAL ASSEMBLY (PASSIVE) MSAS HD 4X ASSEMBLY (3Gb/s - 6Gb/s)	dwg no 10112041	rev D
	cat. no. -	Product - Customer Drw	sheet 4 of 5

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

C 2 - THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2011/65/EU)

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"

D 5- LABEL DETAILS:
MANUFACTURER CODE OR NAME COUNTRY OF ORIGIN
FCI P/N
FCI CUSTOMER DRAWING REVISION
FCI SERIAL NUMBER
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. 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.

C 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.
FCI PACKAGE TRACKING BAG LABEL IS ONLY FOR REFERENCE.

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

NOTES CONTINUED:

C 15. EEPROM INFORMATION REFER TO FCI LATEST PRODUCT SPEC. GS-12-651.

C 16. CABLE IS OPTIONAL,WHICH HAD BEEN QUALIFIED BY FCI AND MEET FCI PRODUCT SPEC. GS-12-651.

FCI SERIAL NUMBER IS ONLY USED FOR TRACKING PRODUCT,DETAIL IS AS BELOW :

CN1352HA052L0001

CN PRESENT MADE IN CHINA
YYWW(YEAR AND WEEK)
PRESENT PRODUCT BASE NUMBER(USE "HA")
SEQUENCE NUMBER(0001~9999)
NON-HF OR HF TYPE(L IS NON-HALOGEN FREE,H IS HALOGEN FREE)
CABLE AWG(2 IS 30AWG,3 IS 28AWG,4 IS 26AWG,5 IS 24AWG)
LENGTH(05 IS 0.5METER,10 IS 1METER,15 IS 1.5METER,ETC)

CABLE LABEL EXAMPLE:

D
FCI CHINA
10112041-2005LF
REV.D
CN1352HA052L0001

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dr	Deborah Ingram	2010/05/07	projection	mm	size A3 / scale 1:2
eng	Tom Feng	2015/08/12			ecn no ELX-N-21649-1
chr	-	-			
appr	Frank Mao	2015/08/12	product family C&A		rel level Released

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title: FINAL ASSEMBLY (PASSIVE)
MSAS HD 4X ASSEMBLY (3Gb/s - 6Gb/s)

dwg no 10112041

rev D

cat. no. - | Product - Customer Drw | sheet 5 of 5