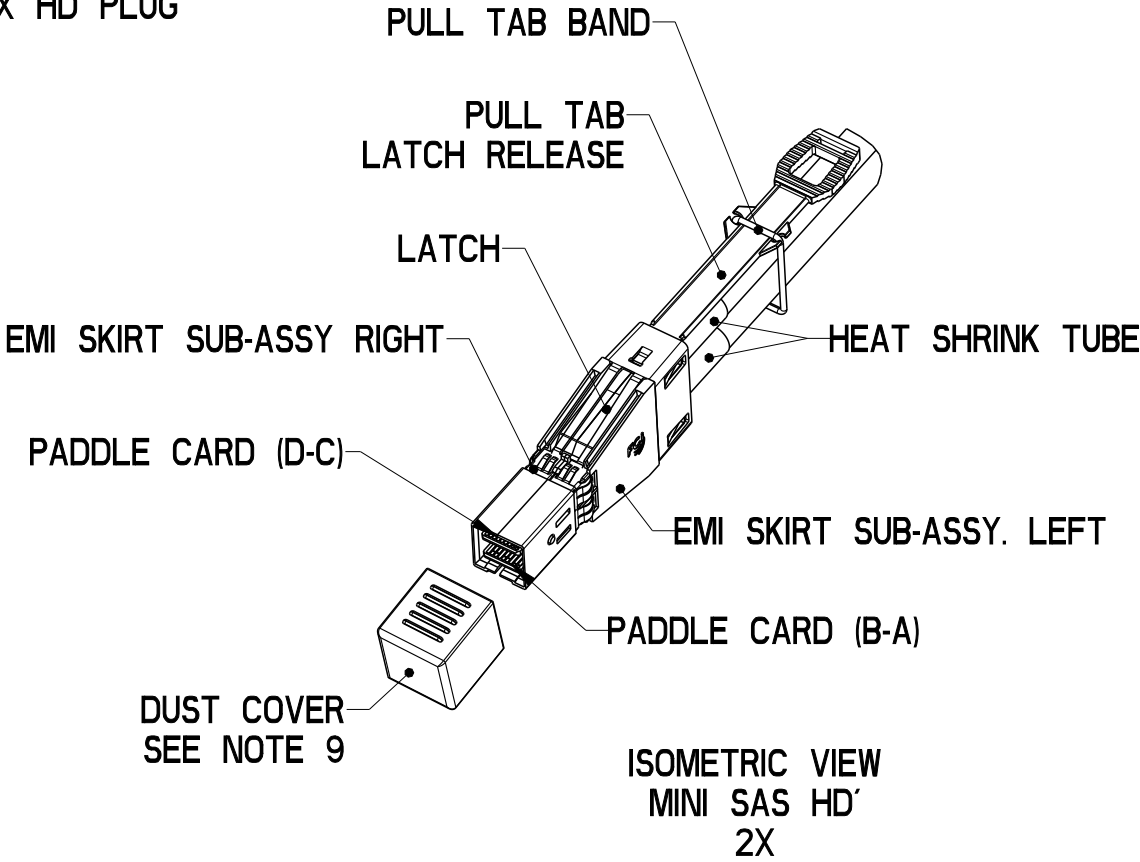
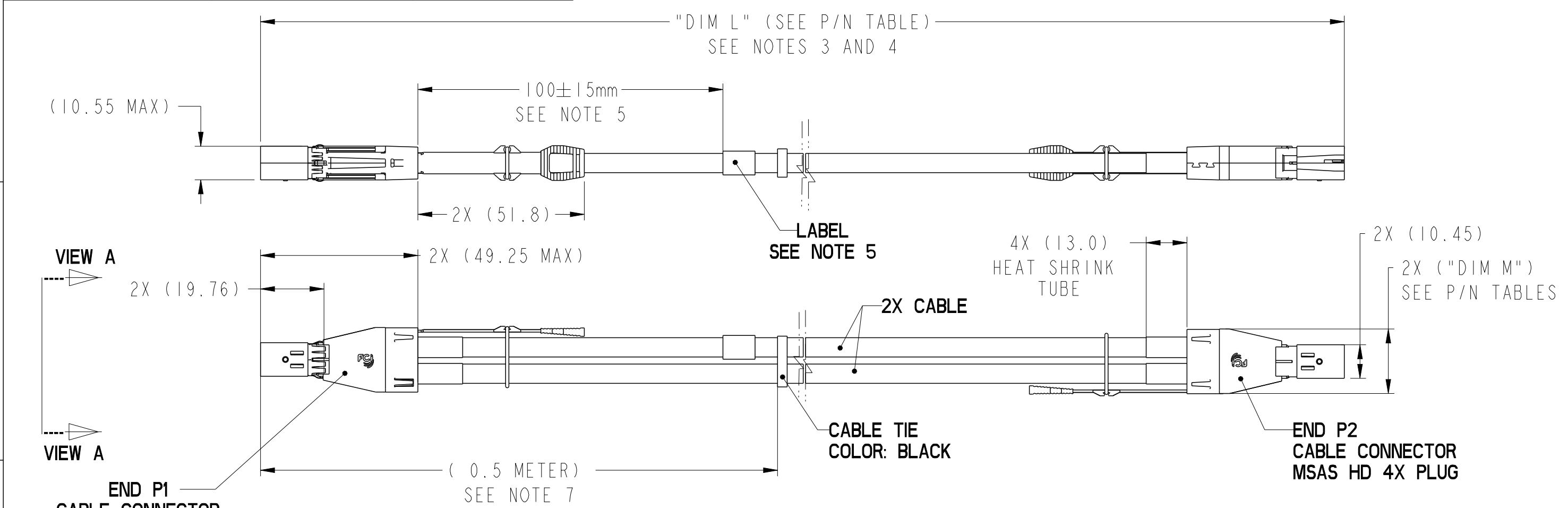
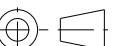
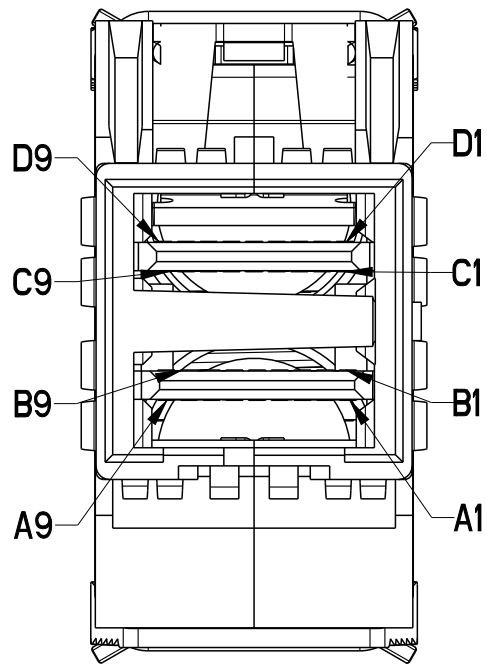


PRODUCT NUMBER	DESCRIPTION	NOTES
10117949-XXXXLF	NON-HF	SEE SHT. 3
10117949-XXXXHLF	HALOGEN FREE (H)	SEE SHT. 3

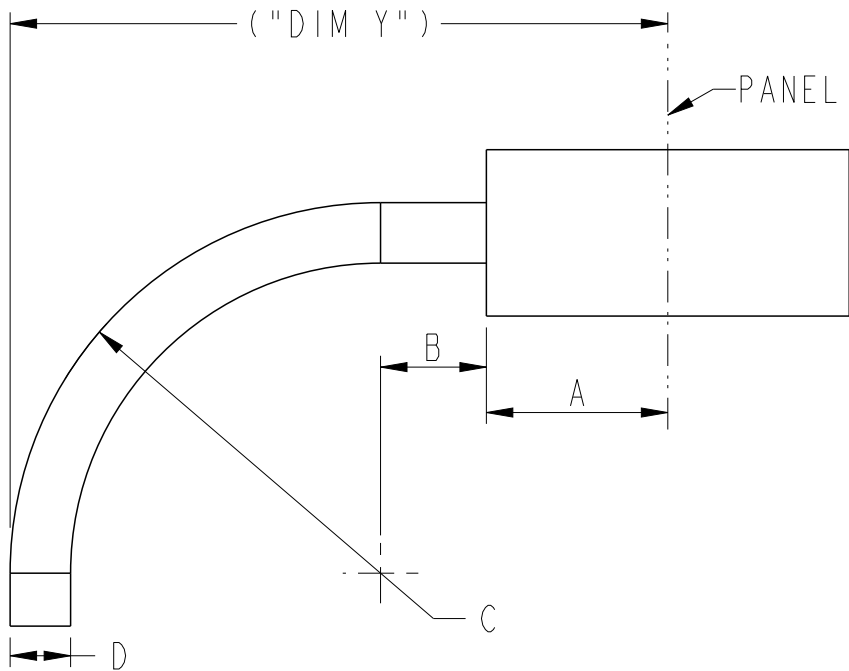


dr	David Lord	2011/09/06	projection 	mm 	size	A3	scale	1:2
eng	Tommy Lin	2013/10/18			ecn no	ELX-N-16075-1		
chr	-	-						
appr	Roger Cheng	2013/10/21	product family	C&A	rel level	Released		
	title	FINAL ASSEMBLY (PASSIVE)			dwg no	10117949		rev
		MSAS HD 4X ASSEMBLY (12 Gb/s)						
www.fci.com	cat. no.	-	Product - Customer Drw				sheet 1 of 4	

PRODUCT NUMBER	DESCRIPTION	NOTES
10117949-XXXXLF	NON-HF	SEE SHT. 3
10117949-XXXXHLF	HALOGEN FREE (H)	SEE SHT. 3

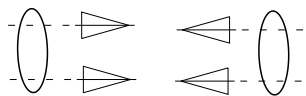


P1
VIEW A
SCALE 4:1

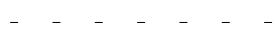


BEND RADIUS
TOP VIEW OF CONNECTOR

LEGEND:



HIGH-SPEED SERIAL
DIFFERENTIAL PAIRS



SIGNAL RETURN



POWER AND MANAGEMENT
INTERFACE

MINIMUM CABLE BEND TABLE

CABLE	A	B	C	D (nominal)	("DIM Y") NON-HF
24 AWG	29.5	13.0	50.28	Ø 8.38	92.78
26 AWG			42.6	Ø 7.1	85.1
28 AWG			36.6	Ø 6.1	79.1
30 AWG			31.8	Ø 5.3	74.3

MINIMUM CABLE BEND TABLE

CABLE	A	B	C	D (nominal)	("DIM Y") HF
24 AWG	29.5	13.0	50.28	Ø 8.38	92.78
26 AWG			45	Ø 7.5	87.5
28 AWG			39	Ø 6.5	81.5
30 AWG			35.4	Ø 5.9	77.9

WIRING LIST (SEE NOTE 6)

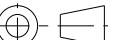
END P1

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

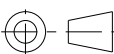
SHIELD-----

-----SHIELD

dr	David Lord	2011/09/06	projection 	mm 	size	A3	scale	1:2				
eng	Tommy Lin	2013/10/18			ecn no	ELX-N-16075-1						
chr	-	-										
appr	Roger Cheng	2013/10/21	product family		C&A	rel level		Released				
			title			FINAL ASSEMBLY (PASSIVE)			dwg no	10117949	rev	J
						MSAS HD 4X ASSEMBLY (12 Gb/s)						
www.fci.com			cat. no.		-	Product - Customer Drw			sheet 2 of 4			

PART NUMBER (NON-HALOGEN FREE) SEE NOTE 12	"DIM L" LENGTH (Meters)	"DIM M" (mm)	AWG	
10117949-2003LF	0.3	17.3	30	A
10117949-2004LF	0.4	17.3	30	
10117949-2005LF	0.5	17.3	30	
10117949-2006LF	0.6	17.3	30	
10117949-2007LF	0.7	17.3	30	
10117949-2008LF	0.75	17.3	30	
10117949-2009LF	0.9	17.3	30	
10117949-2010LF	1.0	17.3	30	
10117949-2015LF	1.5	17.3	30	
10117949-2020LF	2.0	17.3	30	
10117949-3005LF	0.5	17.3	28	B
10117949-3006LF	0.6	17.3	28	
10117949-3007LF	0.7	17.3	28	
10117949-3008LF	0.8	17.3	28	
10117949-3009LF	0.9	17.3	28	
10117949-3010LF	1.0	17.3	28	
10117949-3015LF	1.5	17.3	28	
10117949-3020LF	2.0	17.3	28	
10117949-3025LF	2.5	17.3	28	
10117949-3030LF	3.0	17.3	28	
10117949-4010LF	1.0	20.1	26	C
10117949-4015LF	1.5	20.1	26	
10117949-4020LF	2.0	20.1	26	
10117949-4025LF	2.5	20.1	26	
10117949-4030LF	3.0	20.1	26	
10117949-4035LF	3.5	20.1	26	
10117949-4040LF	4.0	20.1	26	
10117949-4045LF	4.5	20.1	26	
10117949-4050LF	5.0	20.1	26	
10117949-4055LF	5.5	20.1	26	
10117949-4060LF	6.0	20.1	26	
10117949-5010LF	1.0	20.1	24	D
10117949-5015LF	1.5	20.1	24	
10117949-5020LF	2.0	20.1	24	
10117949-5025LF	2.5	20.1	24	
10117949-5030LF	3.0	20.1	24	
10117949-5035LF	3.5	20.1	24	
10117949-5040LF	4.0	20.1	24	
10117949-5045LF	4.5	20.1	24	
10117949-5050LF	5.0	20.1	24	
10117949-5055LF	5.5	20.1	24	
10117949-5060LF	6.0	20.1	24	
10117949-5065LF	6.5	20.1	24	
10117949-5070LF	7.0	20.1	24	
10117949-5075LF	7.5	20.1	24	
10117949-5080LF	8.0	20.1	24	

PART NUMBER (HALOGEN FREE) SEE NOTE 11	"DIM L" LENGTH (Meters)	"DIM M" (mm)	AWG	
10117949-2003HLF	0.3	17.3	30	A
10117949-2004HLF	0.4	17.3	30	
10117949-2005HLF	0.5	17.3	30	
10117949-2006HLF	0.6	17.3	30	
10117949-2007HLF	0.7	17.3	30	
10117949-2008HLF	0.75	17.3	30	
10117949-2009HLF	0.9	17.3	30	
10117949-2010HLF	1.0	17.3	30	
10117949-2015HLF	1.5	17.3	30	
10117949-2020HLF	2.0	17.3	30	
10117949-3005HLF	0.5	17.3	28	B
10117949-3006HLF	0.6	17.3	28	
10117949-3007HLF	0.7	17.3	28	
10117949-3008HLF	0.8	17.3	28	
10117949-3009HLF	0.9	17.3	28	
10117949-3010HLF	1.0	17.3	28	
10117949-3015HLF	1.5	17.3	28	
10117949-3020HLF	2.0	17.3	28	
10117949-3025HLF	2.5	17.3	28	
10117949-3030HLF	3.0	17.3	28	
10117949-4010HLF	1.0	20.1	26	C
10117949-4015HLF	1.5	20.1	26	
10117949-4020HLF	2.0	20.1	26	
10117949-4025HLF	2.5	20.1	26	
10117949-4030HLF	3.0	20.1	26	
10117949-4035HLF	3.5	20.1	26	
10117949-4040HLF	4.0	20.1	26	
10117949-4045HLF	4.5	20.1	26	
10117949-4050HLF	5.0	20.1	26	
10117949-4055HLF	5.5	20.1	26	
10117949-4060HLF	6.0	20.1	26	
10117949-5010HLF	1.0	20.1	24	D
10117949-5015HLF	1.5	20.1	24	
10117949-5020HLF	2.0	20.1	24	
10117949-5025HLF	2.5	20.1	24	
10117949-5030HLF	3.0	20.1	24	
10117949-5035HLF	3.5	20.1	24	
10117949-5040HLF	4.0	20.1	24	
10117949-5045HLF	4.5	20.1	24	
10117949-5050HLF	5.0	20.1	24	
10117949-5055HLF	5.5	20.1	24	
10117949-5060HLF	6.0	20.1	24	
10117949-5065HLF	6.5	20.1	24	
10117949-5070HLF	7.0	20.1	24	
10117949-5075HLF	7.5	20.1	24	
10117949-5080HLF	8.0	20.1	24	

dr	David Lord	2011/09/06	projection 	mm 	size	scale				
eng	Tommy Lin	2013/10/18			A3	1:2				
chr	-	-			ecn no	ELX-N-16075-1				
appr	Roger Cheng	2013/10/21	product family		C&A	rel level	Released			
FCi		title		FINAL ASSEMBLY (PASSIVE)			dwg no	10117949	rev	J
				MSAS HD 4X ASSEMBLY (12 Gb/s)						
www.fci.com		cat. no.		-		Product - Customer Drw			sheet 3 of 4	

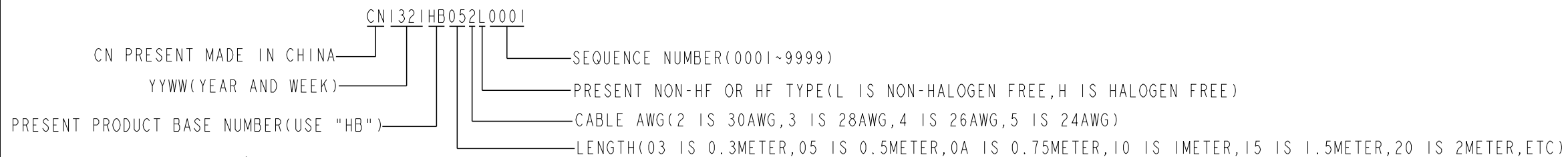
PRODUCT NUMBER	DESCRIPTION	NOTES
10117949-XXXXLF	NON-HF	SEE SHT. 3
10117949-XXXXHLF	HALOGEN FREE (H)	SEE SHT. 3

NOTES:

- 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: POLYOLEFIN
- THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2011/65/EU)
- THIS DIMENSION IS A FINISHED PRODUCT LENGTH.
- UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE IS TO BE:
"DIM L" < 1 METER = $\pm 25\text{mm}$
"DIM L" 1 METER TO 4 METERS = $\pm 2\%$ OF "DIM L"
"DIM L" > 4 METERS = $+0.00/-4\%$ OF "DIM L"
- LABEL DETAILS:

MANUFACTURER CODE OR NAME	COUNTRY OF ORIGIN
CUSTOMER P/N OR FCI P/N	
REVISION	
SERIAL NUMBER	

FONT SHALL BE CLEARLY VISIBLE AND BLACK IN COLOR.
SERIAL NUMBER IS ONLY USED FOR TRACKING PRODUCT,DETAIL IS AS BELOW :



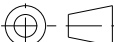
LABEL EXAMPLE



- ALL CABLE ASSEMBLIES 100% TESTED FOR CONTINUITY AS DEFINED IN WIRING LIST.
- 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.
- OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-651.
- 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.

NOTES CONTINUED:

- A " $\triangle$ " 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.
- "H" PRODUCT NUMBERS DESIGNATE THE USE OF HALOGEN FREE RAW CABLE.
- HALOGEN FREE RAW CABLE CAN BE USED AS A SUBSTITUTE ON NON-HF PRODUCT NUMBERS.
- CABLE ASSEMBLY CAN MEET SAS 3.0 SPECIFICATION.
- MATES TO SERIES: 10112626 or 10112627 Or 10112628

dr	David Lord	2011/09/06	projection 	mm 	size	A3	scale	1:2	
eng	Tommy Lin	2013/10/18			ecn no				ELX-N-16075-1
chr	-	-			rel level				Released
appr	Roger Cheng	2013/10/21	product family		C&A				
	title		FINAL ASSEMBLY (PASSIVE) MSAS HD 4X ASSEMBLY (12 Gb/s)		dwg no	10117949		rev	J
www.fci.com	cat. no.		-	Product - Customer Drw			sheet 4 of 4		