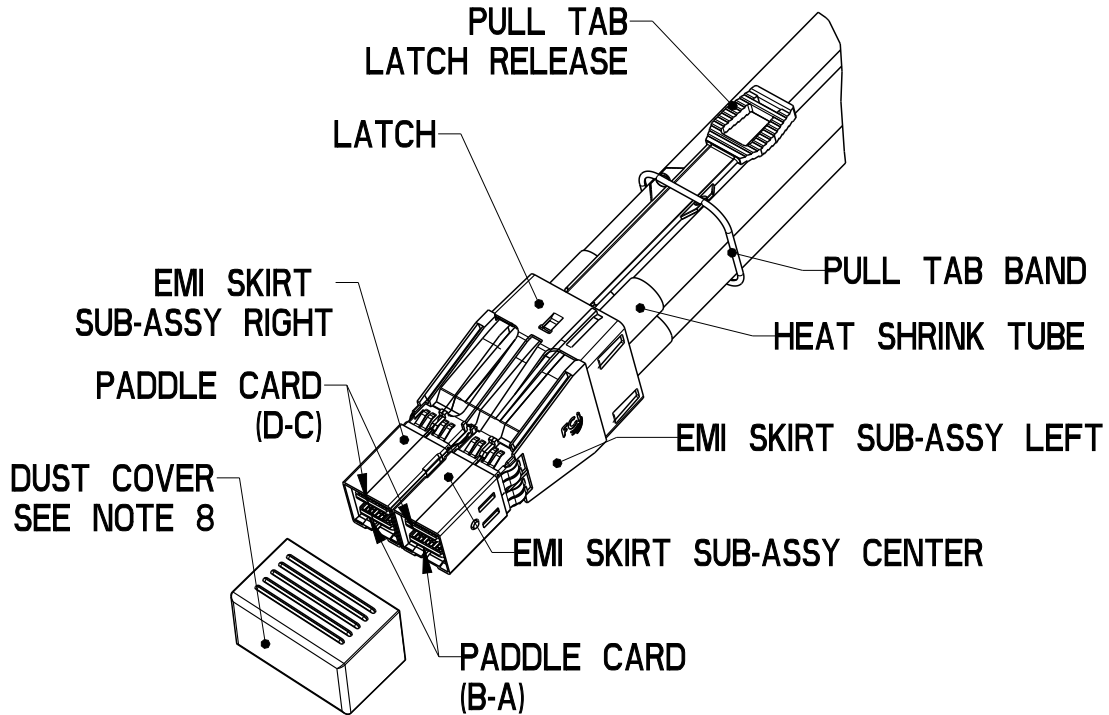
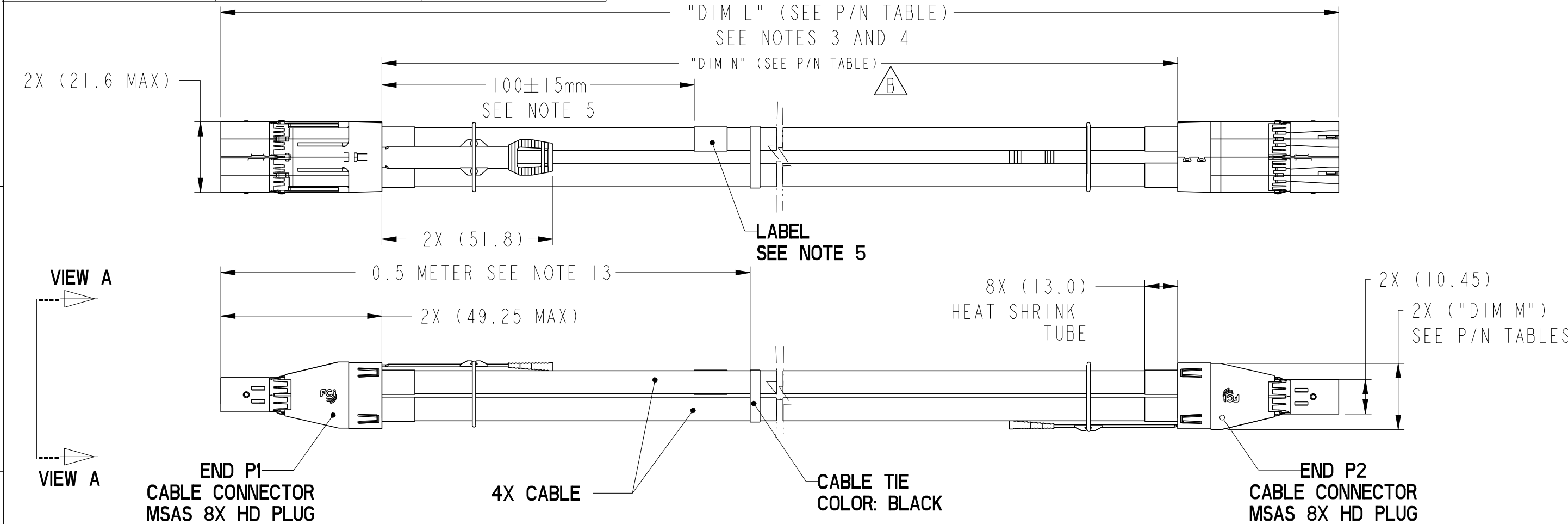


PRODUCT NUMBER	DESCRIPTION	NOTES
10117950-XXXXLF	NON-HF	SEE SHT. 3
10117950-XXXXHLF	HALOGEN FREE (H)	SEE SHT. 3

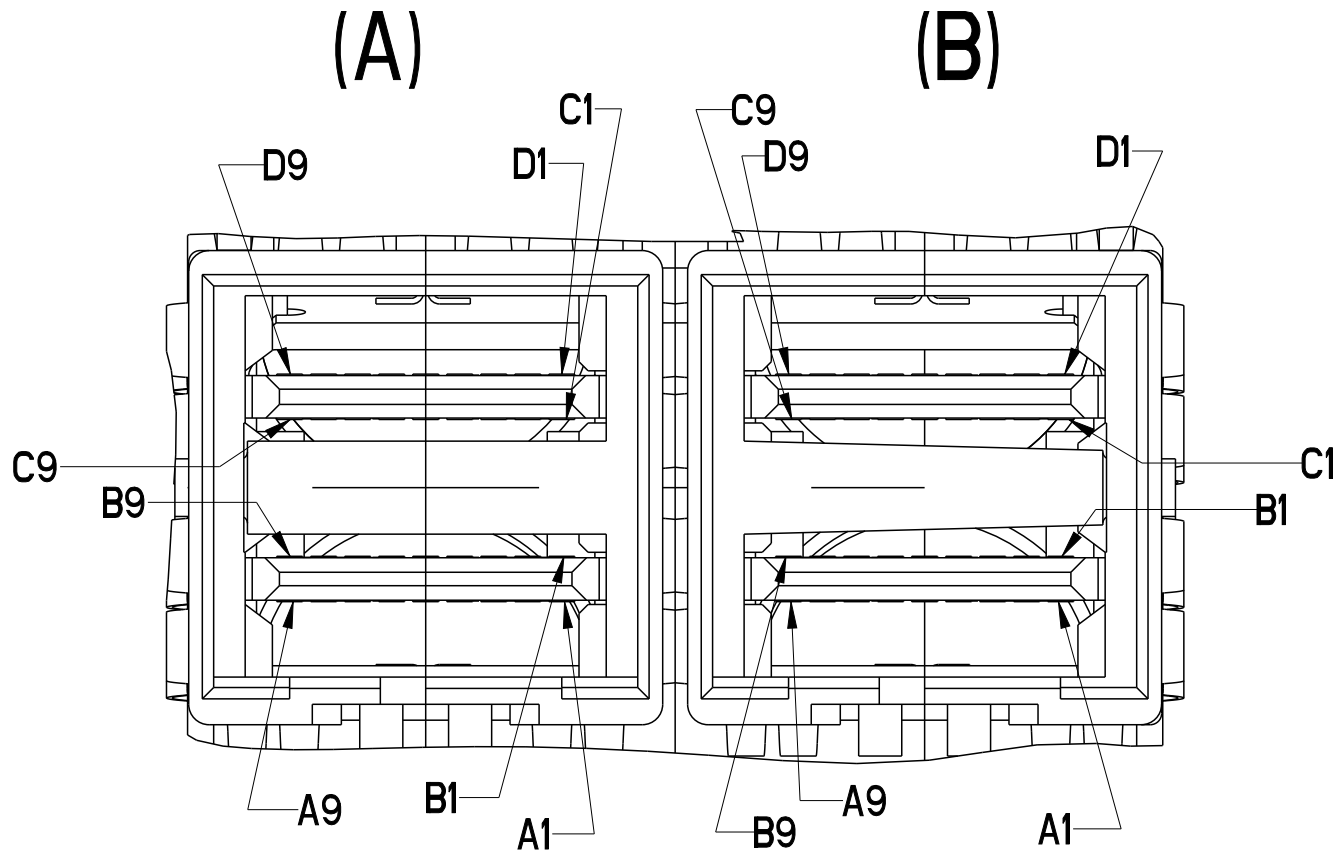


ISOMETRIC VIEW
MINI SAS 8X HD
2X

dr	Deborah Ingram	2011/11/16	projection	size	A3	scale	4:5
eng	Tommy Lin	2013/01/07		mm	ecn no	ELX-N-13827-1	
chr	-	-			rel level	Released	
appr	Roger Cheng	2013/01/08	product family	C&A			
www.fci.com		cat. no.	-		Product - Customer Drw	sheet 1 of 4	
FCI		title	FINAL ASSEMBLY (PASSIVE)		dwg no	10117950	rev
			MSAS HD 8X ASSEMBLY (12 Gb)				B

PRODUCT NUMBER	DESCRIPTION
10117950-XXXXLF	NON-HF
10117950-XXXXHLF	HALOGEN FREE (H)

P1-(A) TO P2-(A)
P1-(B) TO P2-(B)



VIEW A (END P1)
SCALE 6:1

LENGEND:

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

WIRING LIST (SEE NOTE 6)			
END P1 / (A) (B)		END P2 / (A) (B)	
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

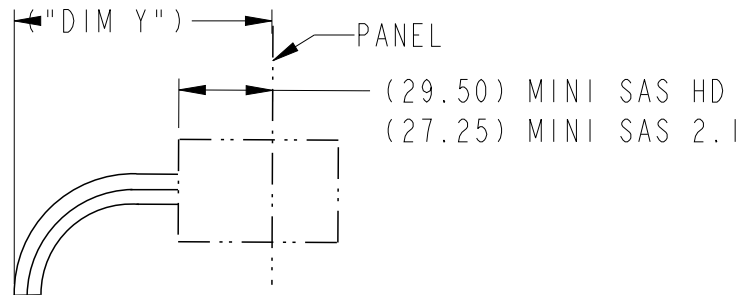
dr	Deborah Ingram	2011/11/16	projection	mm	size	A3	scale	1:1
eng	Tommy Lin	2013/01/07			ecn no	ELX-N-13827-1		
chr	-	-						
appr	Roger Cheng	2013/01/08	product family		C&A	rel level		Released
	title	FINAL ASSEMBLY (PASSIVE)			dwg no	10117950		rev
		MSAS HD 8X ASSEMBLY (12 Gb)						
www.fci.com	cat. no.		-	Product - Customer Drw			sheet 2 of 4	

1		2		3		4								
A	PART NUMBER (NON-HALOGEN FREE) SEE NOTE 12	LENGTH "DIM L" (Meters)	LENGTH "DIM N" (Meters)	("DIM M") (mm)	AWG	B	PART NUMBER (HALOGEN FREE) AEE NOTE 11	LENGTH "DIM L" (Meters)	("DIM M") (mm)	AWG	A			
	10117950-2005LF	0.5		17.3	30		10117950-2005HLF	0.5	17.3	30				
	10117950-2010LF	1.0		17.3	30		10117950-2010HLF	1.0	17.3	30				
	10117950-2015LF	1.5		17.3	30		10117950-2015HLF	1.5	17.3	30				
	10117950-2020LF	2.0		17.3	30		10117950-2020HLF	2.0	17.3	30				
	10117950-2004LF	(0.43)	0.33	17.3	30		10117950-3010HLF	1.0	17.3	28				
	10117950-3010LF	1.0		17.3	28		10117950-3015HLF	1.5	17.3	28				
	10117950-3015LF	1.5		17.3	28		10117950-3020HLF	2.0	17.3	28				
	10117950-3020LF	2.0		17.3	28		10117950-3025HLF	2.5	17.3	28				
	10117950-3025LF	2.5		17.3	28		10117950-3030HLF	3.0	17.3	28				
	10117950-3030LF	3.0		17.3	28		10117950-4020HLF	2.0	20.1	26				
	10117950-4020LF	2.0		20.1	26		10117950-4025HLF	2.5	20.1	26				
	10117950-4025LF	2.5		20.1	26		10117950-4030HLF	3.0	20.1	26				
	10117950-4030LF	3.0		20.1	26		10117950-4035HLF	3.5	20.1	26				
	10117950-4035LF	3.5		20.1	26		10117950-4040HLF	4.0	20.1	26				
	10117950-4040LF	4.0		20.1	26									
	B											B		

PRODUCT NUMBER	DESCRIPTION
10117950-XXXXLF	NON-HF
10117950-XXXXHLF	HALOGEN FREE (H)

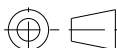
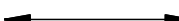
NOTES:

- 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 = $\pm 25\text{mm}$
"DIM L" 1 METER TO 4 METERS = $\pm 2\%$ OF "DIM L"
"DIM L" > 4 METERS = $+0.00/-4\%$ OF "DIM L"
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 - OTHER TESTING PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-651.
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 ASSEMBLED PRIOR TO PACKAGING.
9. 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.
10. MEETS ELECTRICAL REQUIREMENTS OF SAS 2.1.
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. 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.
14. MATES WITH SERIES:10112627 or 10112628.



PEND RADIUS
TOP VIEW OF CONNECTOR

MINI SAS HD MINIMUM CABLE BEND TABLE		
CABLE	("DIM Y") HF	("DIM Y") (NON-HF)
26 AWG	100.0	99.7
28 AWG	99.1	98.7
30 AWG	98.5	97.9

dr	Deborah Ingram	2011/11/16	projection 	mm 	size	A3	scale	1:2			
eng	Tommy Lin	2013/01/07			ecn no		ELX-N-13827-1				
chr	-	-			rel level		Released				
appr	Roger Cheng	2013/01/08	product family		C&A						
			title		FINAL ASSEMBLY (PASSIVE)		dwg no		10117950	rev	B
www.fci.com			cat. no.		-		Product - Customer Drw		sheet 4 of 4		
			MSAS HD 8X ASSEMBLY (12 Gb)								