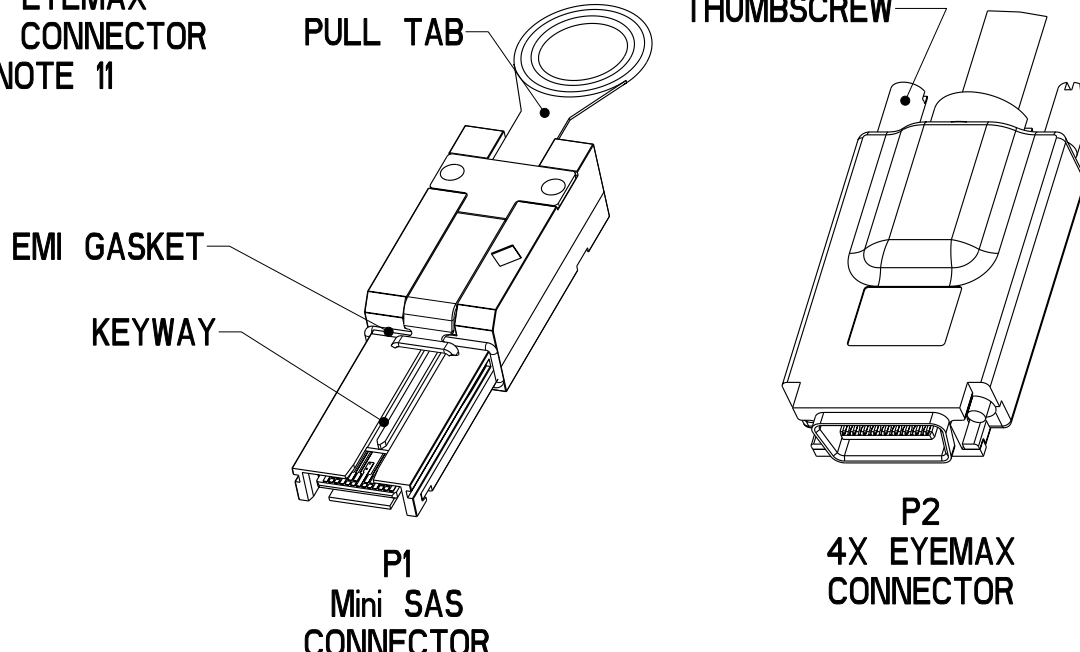
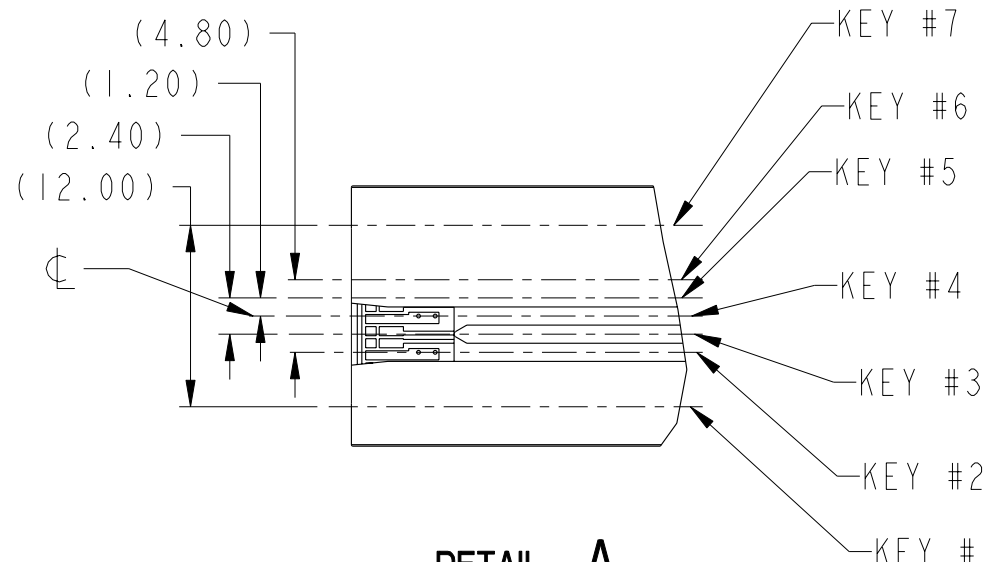
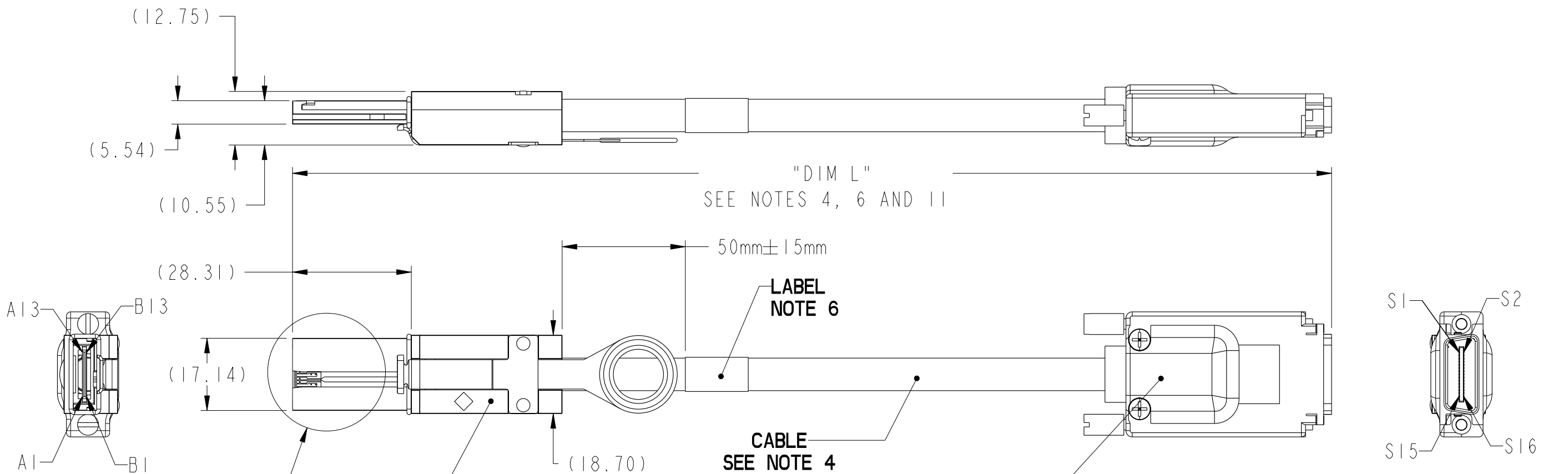

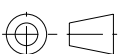






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rev	ecn no	dr	date
A	V09-0332	DAI	2009-06-24

www.fciconnect.com			surface - 		tolerance std --- ---					
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	D. INGRAM	2009-04-01	ANGULAR		LINEAR		0.X	±0.3	size A3	Scale 1:1
Eng	D. INGRAM	2009-04-01					0.XX	±0.10		
Chr	B. BRUBAKER	2009-04-01					0°	±2°	0.XXX	±0.050
Appr	R. CHENG	2009-04-01	Product family					C&A	Spec ref ---	
		title Mini SAS to 4X EYEMAX CABLE ASSEMBLY					dwg no 10099803			Rev. A
catalog no					-		CUSTOMER		sheet 1 of 5	

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4

A

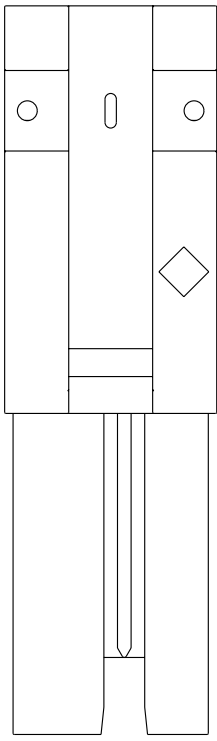
B

C

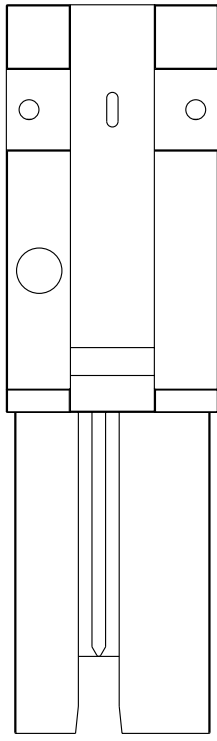
D



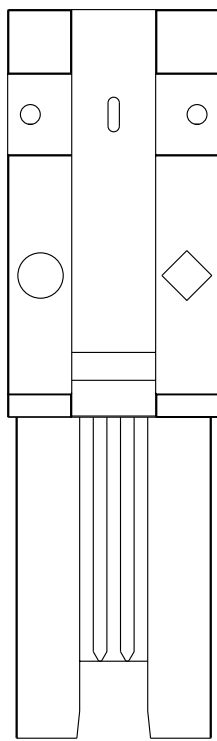
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KEYS 4 & 2
TABLE ROUTING
(OUT PORT), SAS
SCALE 3:2



KEYS 6 & 4
SUBTRACTIVE ROUTING
(IN PORT), SAS
SCALE 3:2



KEYS 6, 4, & 2
UNIVERSAL KEY, SAS
SCALE 3:2

SAS

PRODUCT NUMBER SEE NOTE 4		DESCRIPTION	GAUGE	END P1 Mini SAS KEY	IDENTIFIER
10099803-M060002LF		X4 SAS CABLE ASSEMBLY	24 AWG	4, 6	SUBTRACTIVE ROUTING (IN PORT), SAS
	-N040002LF	X4 SAS CABLE ASSEMBLY	26 AWG	4, 6	
	-N050002LF	X4 SAS CABLE ASSEMBLY	26 AWG	4, 6	
	-P010002LF	X4 SAS CABLE ASSEMBLY	28 AWG	4, 6	
	-P020002LF	X4 SAS CABLE ASSEMBLY	28 AWG	4, 6	
	-P030002LF	X4 SAS CABLE ASSEMBLY	28 AWG	4, 6	
	-M060003LF	X4 SAS CABLE ASSEMBLY	24 AWG	2, 4, 6	UNIVERSAL KEY, SAS
	-N040003LF	X4 SAS CABLE ASSEMBLY	26 AWG	2, 4, 6	
	-N050003LF	X4 SAS CABLE ASSEMBLY	26 AWG	2, 4, 6	
	-P010003LF	X4 SAS CABLE ASSEMBLY	28 AWG	2, 4, 6	
	-P015003LF	X4 SAS CABLE ASSEMBLY	28 AWG	2, 4, 6	
	-P020003LF	X4 SAS CABLE ASSEMBLY	28 AWG	2, 4, 6	
	-P025003LF	X4 SAS CABLE ASSEMBLY	28 AWG	2, 4, 6	SAS, TABLE ROUTING (OUT PORT), TO SUBTRACTIVE ROUTING (IN PORT)
	-P030003LF	X4 SAS CABLE ASSEMBLY	28 AWG	2, 4, 6	
	-M060001LF	X4 SAS CABLE ASSEMBLY	24 AWG	2, 4	
	-N040001LF	X4 SAS CABLE ASSEMBLY	26 AWG	2, 4	
	-N050001LF	X4 SAS CABLE ASSEMBLY	26 AWG	2, 4	
	-P010001LF	X4 SAS CABLE ASSEMBLY	28 AWG	2, 4	
	-P020001LF	X4 SAS CABLE ASSEMBLY	28 AWG	2, 4	
10099803-P030001LF		X4 SAS CABLE ASSEMBLY	28 AWG	2, 4	

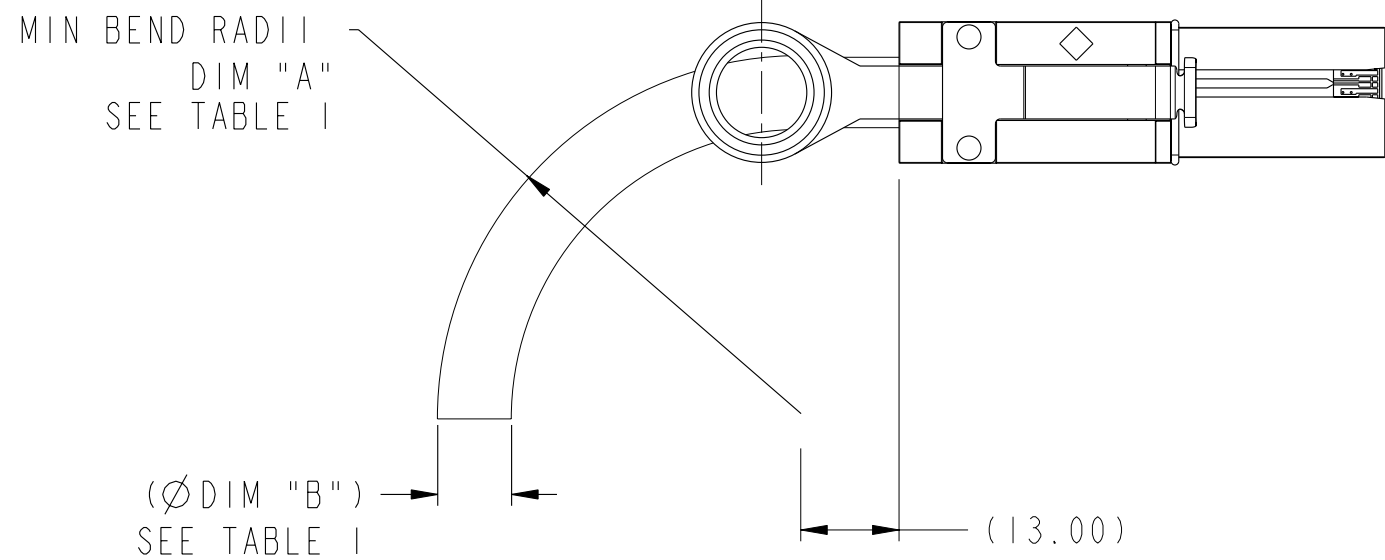
SAS KEYING OPTIONS

	title Mini SAS to 4X EYEMAX CABLE ASSEMBLY		dwg no 10099803		Rev. A
	catalog no -		CUSTOMER		sheet 2 of 5

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BEND RADIUS
(24 AWG SHOWN)

TABLE 1		
CABLE	DIM "A"	DIM "B"
24 AWG	(R46.9)	(Ø 9.5mm)
26 AWG	(R41.7)	(Ø 8.3mm)
28 AWG	(R37.7)	(Ø 7.6mm)

WIRING LIST SEE NOTE 7

P1	GND	A1	-----	G9	GND	P2
	Rx 0+	A2	←-----○-----	S16	Tx 0+	
	Rx 0-	A3	←-----○-----	S15	Tx 0-	
	GND	A4	-----	G8	GND	
	Rx 1+	A5		S14	Tx 1+	
	Rx 1-	A6		S13	Tx 1-	
	GND	A7		G7	GND	
	Rx 2+	A8		S12	Tx 2+	
	Rx 2-	A9		S11	Tx 2-	
	GND	A10		G6	GND	
	Rx 3+	A11		S10	Tx 3+	
	Rx 3-	A12		S9	Tx 3-	
	GND	A13		G5	GND	
	GND	B13				
	Tx 3-	B12		S8	Rx 3-	
	Tx 3+	B11		S7	Rx 3+	
	GND	B10		G4	GND	
	Tx 2-	B9		S6	Rx 2-	
	Tx 2+	B8		S5	Rx 2+	
	GND	B7		G3	GND	
	Tx 1-	B6		S4	Rx 1-	
	Tx 1+	B5		S3	Rx 1+	
	GND	B4	-----	G2	GND	
	Tx 0-	B3	-----○-----→	S2	Rx 0-	
	Tx 0+	B2	-----○-----→	S1	Rx 0+	
	GND	B1	-----	G1	GND	
CHASSIS GROUND					CHASSIS GROUND	



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NOTES:

- 1 - MATES WITH:
MATING RECEPTACLE DRAWING FOR 4X EYEMAX CONNECTOR IS 10009629.
- 2 - Mini SAS ELECTRICAL PERFORMANCE PER CURRENT REVISION
OF SERIAL ATA, T10/1760-D (SAS-2 REQUIREMENTS).
- 3 - Mini SAS: THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN
ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC)

④ - PART NUMBER DESCRIPTION

10099803 - X XX XX XX LF

LEAD FREE (SEE NOTE 3 AND 10)

Mini SAS/SATA KEY

01: 2,4

02: 4,6

03: 2,4,6

LENGTH

XX= METERS, XX=CENTIMETERS

0100 = 01 METERS, 00 CENTIMETERS ("DIM L")

GAUGE

M: 24 AWG

N: 26 AWG

P: 28 AWG

⑤ - UNLESS OTHERWISE SPECIFIED ASSEMBLED LENGTH TOLERANCE IS TO BE:

< 1 METER = $\pm 25.0\text{mm}$

> 1 METER TO 6 METERS = $\pm 2\%$ OF "DIM L"

⑥ - UNLESS OTHERWISE SPECIFIED LABEL POSITION IS TO BE 50mm FROM REAR OF CONNECTOR PL.

LABEL DETAILS:

MANUFACTURER CODE OR NAME

CUSTOMER P/N OR FCI P/N

REVISION

DATE CODE (WW/YY FORMAT) - SERIAL NUMBER

COUNTRY ORIGIN

FONT SHALL BE CLEARLY VISIBLE AND BLACK IN COLOR.

	Mini SAS to 4X EYEMAX	dwg no 10099803	Rev. A
	CABLE ASSEMBLY		
catalog no	-	CUSTOMER	sheet 4 of 5

NOTES CONTINUED:

- 7 - ALL CABLE ASSEMBLIES SHALL BE 100% TESTED FOR CONTINUITY AS DEFINED IN WIRING LIST.
- 8 - UNLESS OTHERWISE SPECIFIED ALL CABLE ASSEMBLIES SHALL BE 100% HI-POT TESTED BY APPLYING 300V DC FOR A MINIMUM OF 10ms, UNLESS ACTIVE COMPONENTS ARE USED IN THIS ASSEMBLY.
- 9 - OTHER TESTING FOR Mini SAS PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-548.
-OTHER TESTING FOR EYEMAX PERFORMED AS REQUIRED BY PRODUCT SPECIFICATION: GS-12-216.
- 10 - PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING PER SPECIFICATION GS-14-920.
PACKAGE CABLE ASSEMBLIES PER GS-14-1272.
11. THIS DIMENSION IS A FINISHED PRODUCT LENGTH.
12. Mini SAS MATERIAL:
BACKSHELLS: ZINC DIECAST
PULL TAB: MOLDED THERMOPLASTIC
LATCH: STAINLESS STEEL
JET MELT: POLYAMIDE POLYMER
- 4X EYE MAX MATERIAL:
BACKSHELLS: ZINC ALLOY WITH NICKEL OVERPLATE
CABLE COLLARS: PLASTIC
PLUG ASSEMBLIES: THERMOPLASTIC AND COPPER ALLOY
THUMBSCREWS: STAINLESS STEEL
PCB BOARD: FR4 FIBERGLASS



Mini SAS to 4X EYEMAX
CABLE ASSEMBLY
catalog no

dwg no 10099803
CUSTOMER

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