

PRODUCT NUMBER  
SEE TABLE

M2.5 OVAL HEAD SCREWS

PLUG ASSEMBLY:  
WITH or WITHOUT PCB  
SEE CHART ON SHEET 5.

M2.5 THUMBSCREWS  
SEE NOTE 5

CABLE COLLAR:  
3 SIZES AVAILABLE  
SEE APPLICATION SPECIFICATION  
GS-20-026 TO SELECT THE  
CORRECT SIZE FOR THE DIAMETER  
OF CABLE.

THUMBSCREW COVERS



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rev	ecn no	dr	date
B	V03-1084	DA1	11/14/03
C	V04-0016	DA1	02/11/04
D	V04-0508	DA1	06/16/04
E	V04-1005	DA1	10/6/04
F	V05-0064	TAB	03/07/05
G	V05-0543	TAB	06/29/05
H	M08-0009	AGS	01/14/08

TOLERANCES UNLESS OTHERWISE SPECIFIED		
LINEAR	0.X	±.3
	0.XX	±.10
	0.XXX	±.050
ANGULAR	0°	±2°

www.fciconnect.com		surface 3.2 ASME Y14.5	tolerance std ASME Y14.5	projection	MM
TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR	LINEAR	size A4	Scale 1:1
Dr	G. PETERS	08/21/03	0.X	±	ECN M08-0009
Eng	D. BRANN	08/21/03	0.XX	±	Spec ref -
Chr	D. BRANN	08/21/03	0.XXX	±	
Appr	D. BRANN	08/21/03	Product family EyeMax (TM)		
FCI		title 4X THUMBSCREW PLUG KIT		dwg no 10013923	Rev. H
catalog no		CUSTOMER		sheet 1 of 6	

PRODUCT NUMBER  
SEE TABLE

A

B

C

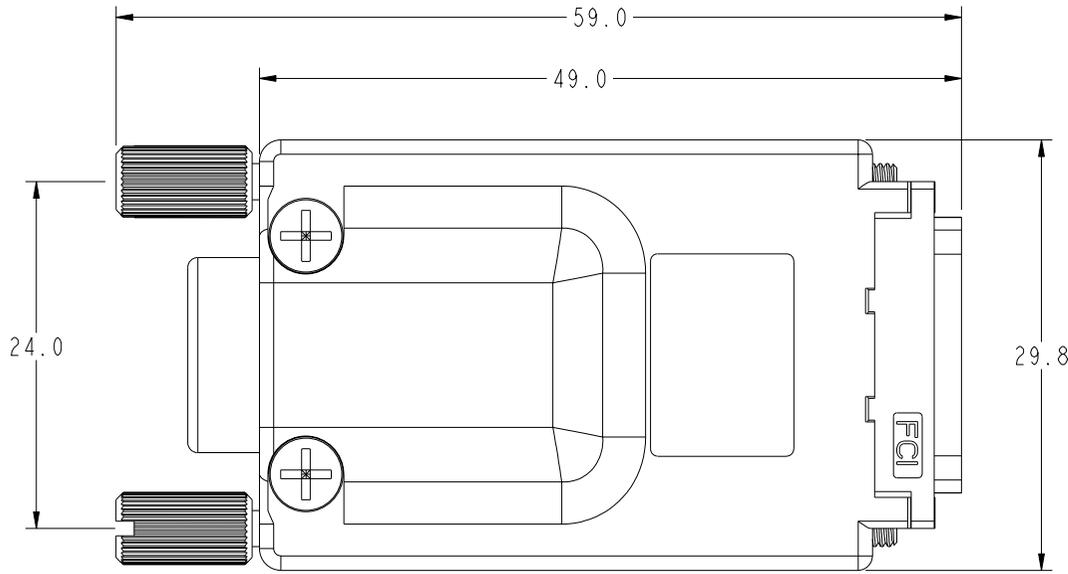
D

A

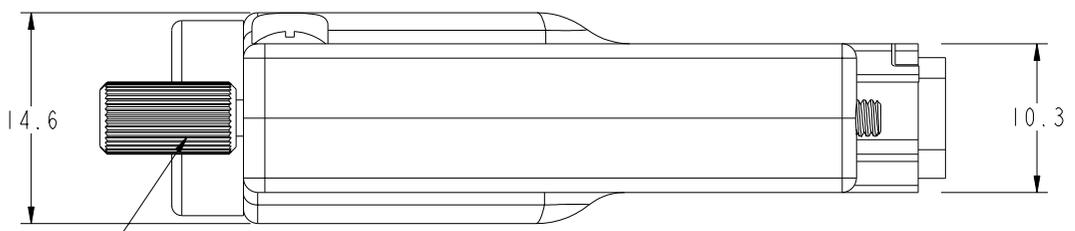
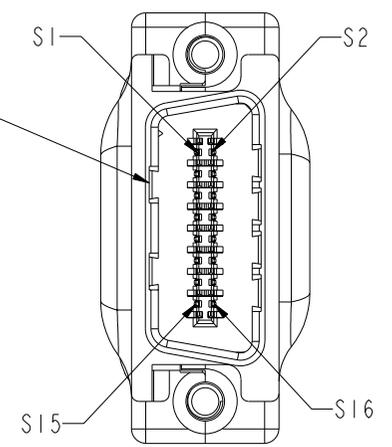
B

C

D



AVAILABLE WITH OR  
WITHOUT KEY SLOTS  
SEE TABLE SHEET 5



SEE NOTE 5



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	title 4X THUMBSCREW PLUG KIT EYEMAX(tm)	dwg no 10013923	Rev. H
	catalog no -	CUSTOMER	sheet 2 of 6

PRODUCT NUMBER  
SEE TABLE

DATE CODE AREA

KEYING FEATURE

SIGNAL POSITION 1

GROUND POSITION 1

POSITION MARK #1



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REV F - 2006-04-17

	title	4X THUMBSCREW PLUG KIT	dwg no	10013923	Rev.	H
		EYEMAX(tm)				
	catalog no	-	CUSTOMER	sheet 3 of 6		

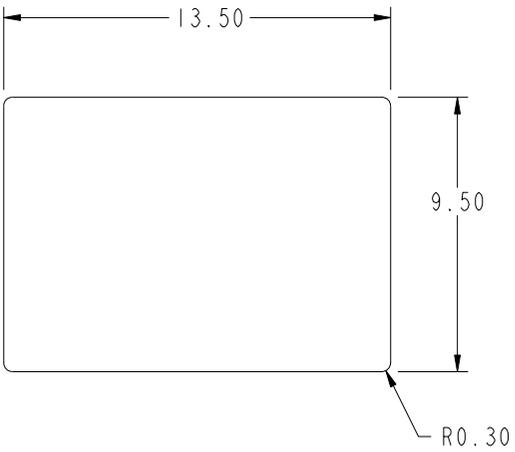
PDM: Rev:H

STATUS: Released

Printed: Jul 22, 2010



PRODUCT NUMBER	WITH KEY SLOTS	DESCRIPTION
10013923-001	YES	PLUG KIT WITH UNEQUALIZED P1 PCB
10013923-002	YES	PLUG KIT WITHOUT PCB
10013923-003	YES	PLUG KIT WITH EQUALIZED P1 PCB WITHOUT COMPONENTS
10013923-004	YES	PLUG KIT WITH EQUALIZED P1 PCB WITH COMPONENTS
10013923-011	NO	PLUG KIT WITH UNEQUALIZED P1 PCB
10013923-012	NO	PLUG KIT WITHOUT PCB
10013923-013	NO	PLUG KIT WITH EQUALIZED P1 PCB WITHOUT COMPONENTS
10013923-014	NO	PLUG KIT WITH EQUALIZED P1 PCB WITH COMPONENTS
10013923-101	YES	PLUG KIT WITH UNEQUALIZED P2 PCB
10013923-103	YES	PLUG KIT WITH EQUALIZED P2 PCB WITHOUT COMPONENTS
10013923-104	YES	PLUG KIT WITH EQUALIZED P2 PCB WITH COMPONENTS
10013923-111	NO	PLUG KIT WITH UNEQUALIZED P2 PCB
10013923-113	NO	PLUG KIT WITH EQUALIZED P2 PCB WITHOUT COMPONENTS
10013923-114	NO	PLUG KIT WITH EQUALIZED P2 PCB WITH COMPONENTS



**RECOMMENDED CUSTOMER LABEL SIZE**

\* ADD LF TO PRODUCT NUMBERS FOR LEAD FREE SOLDER TAILS  
 EXAMPLE: 10013923-001LF



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	title	4X THUMBSCREW PLUG KIT	dwg no	10013923	Rev.	H
		EYEMAX(tm)				
	catalog no	-	CUSTOMER	sheet 5 of 6		

PCB NOTES:

- 1. PADS ON BOTH SIDES OF PCB.
- 2. DIMENSIONS APPLY TO BOTH SIDES OF PCB LOCATED FROM DATUMS A & B.
- 3. EXTENSIONS SHOULD NOT BE USED TO LOCATE SOLDER TAILS TO SOLDER PADS ONLY AS AID IN ASSEMBLY BY LIMITING TOP TO BOTTOM MOVEMENT OF PCB.
- 4. PCB THICKNESS: 1.57mm (.062").

LEAD FREE NOTES:

- 1. IF LEAD FREE PART NUMBER, THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.60mm THICK CIRCUIT BOARD.
- 2. PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING SPECIFICATION GS-14-920.
- 3. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

NOTES:

- 1. PACKAGING SPECIFICATION: GS-14-794
- 2. APPLICATION SPECIFICATION: GS-20-026 FOR PADDLE CARD AND CABLE TERMINATION DETAILS. FOR EASE OF WIRE MANAGEMENT, A P1 ASSEMBLY IS RECOMMENDED ON ONE END OF THE CABLE AND A P2 ASSEMBLY ON THE OTHER END.
- 3. PRODUCT SPECIFICATION: GS-12-209
- 4. MATERIAL:
  - CONTACTS: COPPER ALLOY WITH Au OVER Ni PLATING IN THE CONTACT AREA AND SOLDER TAIL PLATING: TIN-LEAD UNLESS THE PART NUMBER ENDS IN LF. FOR A PART THAT ENDS IN LF (LEAD FREE), 2um MIN MATTE TIN OVER 1.27um MIN Ni UNDERPLATING.
  - HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0 RATED, SUITABLE FOR REFLOW SOLDERING.
  - SHELLS: ZINC WITH NICKEL PLATING AND COPPER UNDERPLATING.
  - CABLE COLLAR: THERMOPLASTIC
  - THUMB SCREWS, OVAL HD. SCREWS: STAINLESS STEEL
- 5. RECOMMENDED MAXIMUM TORQUE FOR ATTACHING THUMBSCREW TO MATING RECEPTACLE: 0.225 N-m (2.0 lbf-in).
- 6. MATES WITH RECEPTACLE 10009629.
- 7. PLUG ASSEMBLIES, COVER ASSEMBLY KITS (10021736) AND CABLE COLLARS (10007239) CAN BE PURCHASED AS SEPERATE ITEMS. PLUG ASSEMBLY DRAWINGS: ARE 58443-NO PCB, 58638-UNEQUALIZED, 10026692-EQUALIZED.

A

B

C

D

A

B

C

D



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		EYEMAX(tm)			
	catalog no	-	CUSTOMER	sheet 6 of 6	