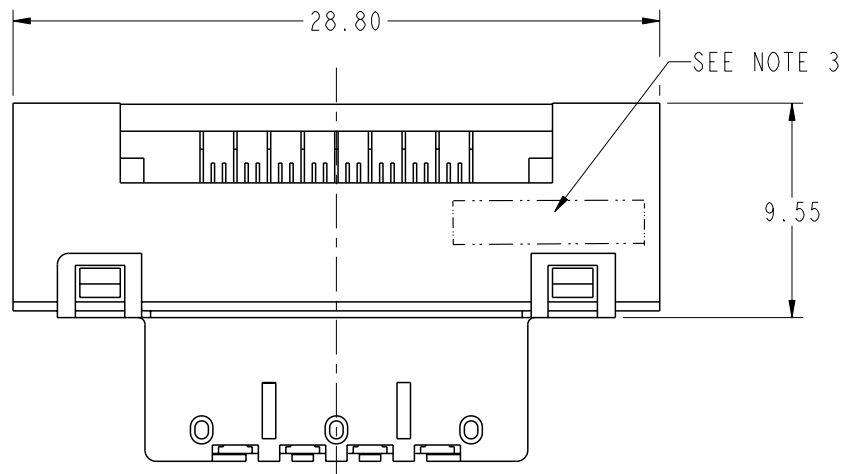
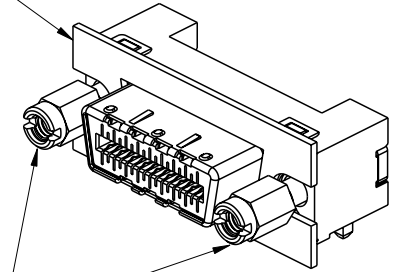
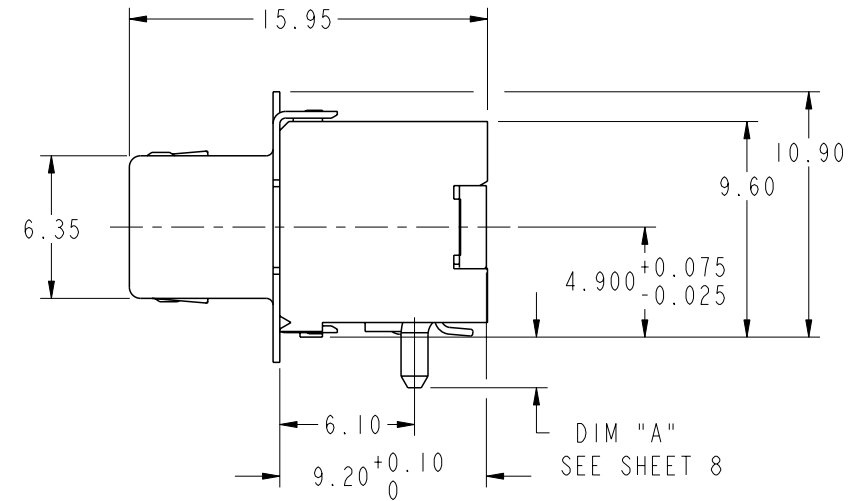
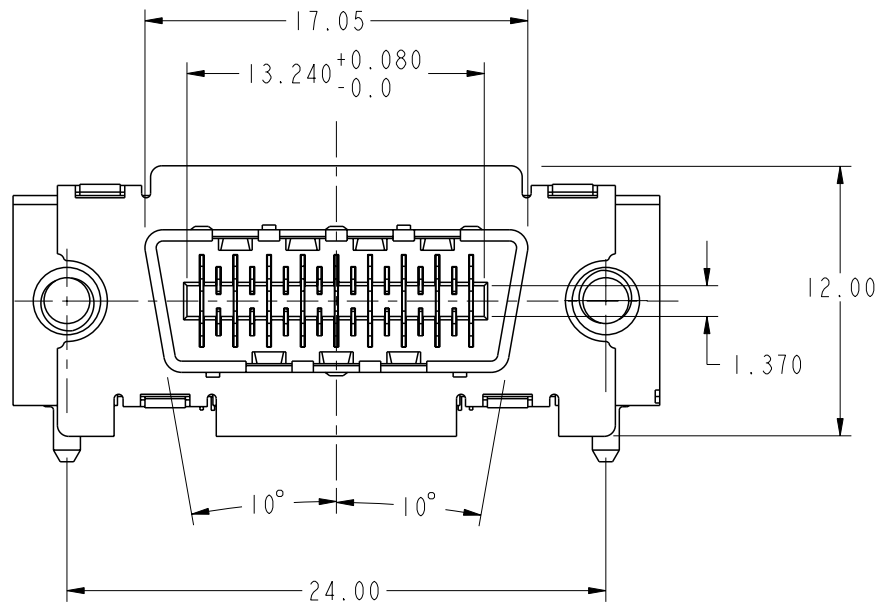




AVAILABLE WITH OR WITHOUT
EMI GASKET.
FOAM GASKET P/N 10019396-001 CAN
BE PURCHASED SEPARATELY.
METAL GASKET P/N 10043517 MUST BE
PURCHASED ALREADY ASSEMBLED.



P/N 10009634-001, 2X
THREADED STANDOFFS SOLD
SEPARATELY



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rev	ecn no	dr	date
D	V04-0460	DAI	2004/06/08
E	V04-0830	TAB	2004/08/18
F	V04-1005	DAI	2004/10/06
G	V05-0063	TAB	2005/02/14
H	105-0141	HVN	2005/08/12
J	106-0123	HVN	2006/07/26
K	108-0048	RPK	2008/03/28

www.fciconnect.com		surface 3.2 ASME Y14.5	tolerance std ASME Y14.5	projection ASME Y14.5	MM
		TOLERANCES UNLESS OTHERWISE SPECIFIED		size A4	Scale 3:1
Dr	G. PETERS	2003/08/13	ANGULAR	0.X ±.30	ECN 108-0048
Eng	D. BRANN	2003/08/13	LINEAR	0.XX ±.10	
Chr	RAMESH P K	2008/03/27	0° ±2°	0.XXX ±.050	
Appr	RAMESH P K	2008/03/27	Product family EyeMax (tm)		Spec ref
FCI		title 4X R/A THUMBSCREW RECPT ASSEMBLY, w/ 7 KEY SLOTS		dwg no 10009629	Rev. K
		catalog no	CUSTOMER		sheet 1 of 9

REV F - 2006-04-17

PDM: Rev:K

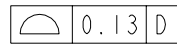
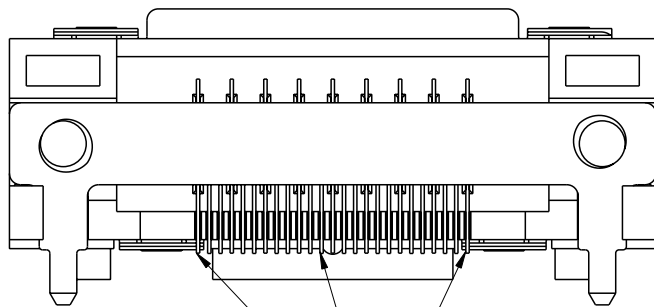
STATUS Released

Printed: Apr 02, 2008

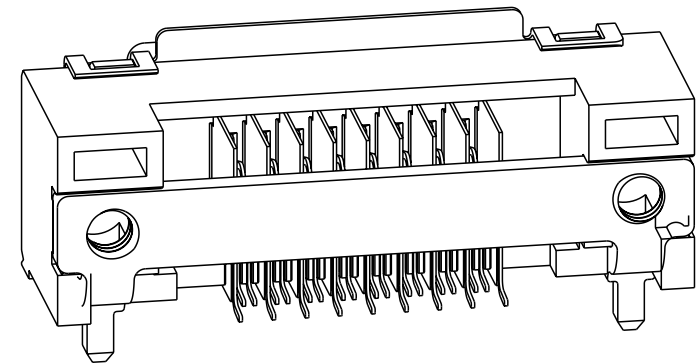
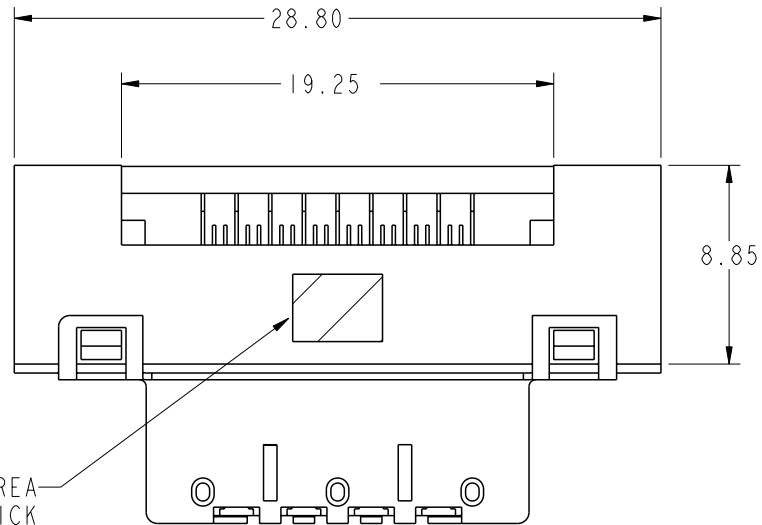


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CROSS HATCH AREA
IS FOR VACUUM PICK
& PLACE REF. ONLY



COPLANARITY MEASUREMENT TO BE TAKEN
AT THE BOTTOM MOST POINT ON CONTACT TAILS
COPLANARITY ZONE IS BELOW DATUM D.



www.fciconnect.com			surface 3.2 ASME Y14.5		tolerance std ASME Y14.5		projection 		MM 	
TOLERANCES UNLESS OTHERWISE SPECIFIED										
Dr	G. PETERS	2003/08/13	ANGULAR		0.X		±.30		size A4	Scale 3:1
Eng	D. BRANN	2003/08/13			LINEAR		0.XX			
Chr	RAMESH P K	2008/03/27	0° ±2°		0.XXX		±.050		ECN	108-0048
Appr	RAMESH P K	2008/03/27	Product family EyeMax (tm)						Spec ref -	
			title 4X R/A THUMBSCREW RECPT ASSEMBLY, w/ 7 KEY SLOTS				dwg no 10009629			Rev. K
catalog no			-				CUSTOMER			sheet 2 of 9



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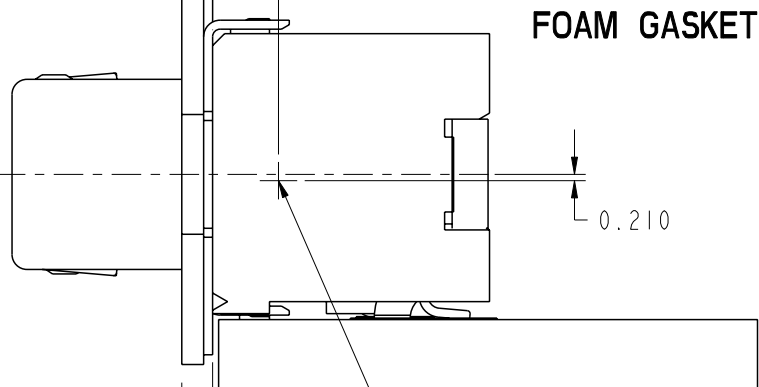
A

B

C

D

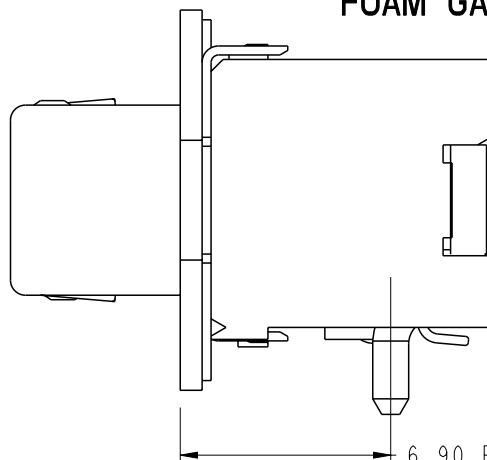
REV F - 2006-04-17



FOAM GASKET

10009629 CENTER OF GRAVITY
SEE NOTE 5

0.20 REF. DISTANCE FROM PCB TO REAR OF "D" SHELL
1.00 REF. DISTANCE FROM PCB TO INSIDE SURFACE
OF BULKHEAD OR PCI BRACKET
BULKHEAD/BRACKET NOT SHOWN



FOAM GASKET

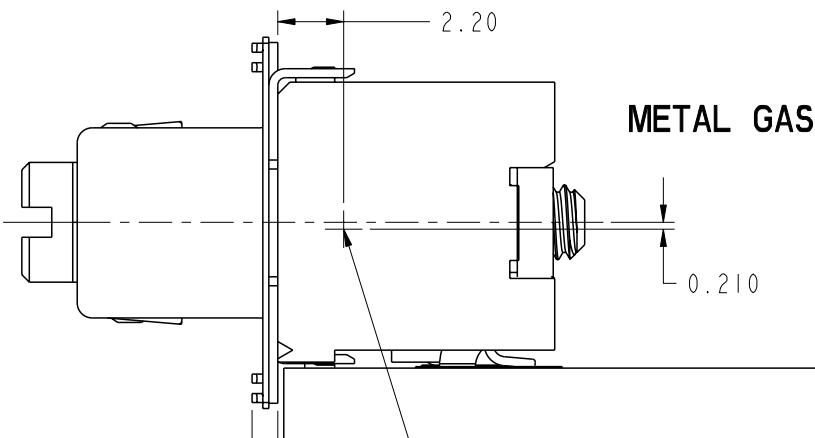
6.90 REF.
DISTANCE FROM CENTER OF GROUND PEG
TO INSIDE SURFACE OF BULKHEAD OR PCI BRACKET
GASKET COMPRESSED **BULKHEAD/BRACKET NOT SHOWN**

BULKHEAD/BRACKET NOT SHOWN

6.75 REF.
DISTANCE FROM CENTER OF GROUND PEG
TO INSIDE SURFACE OF BULKHEAD OR PCI BRACKET
GASKET COMPRESSED.

METAL GASKET

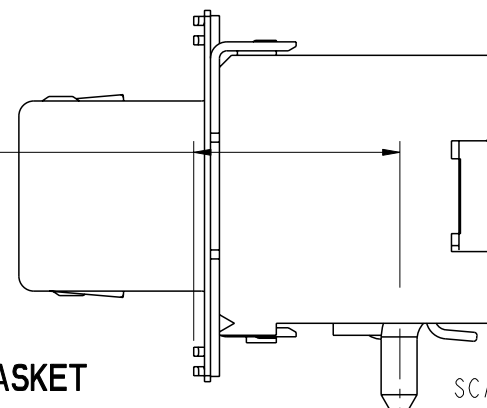
SCALE 4:1



METAL GASKET

10009629 CENTER OF GRAVITY
SEE NOTE 5

0.20 REF. DISTANCE FROM PCB TO REAR OF "D" SHELL
1.00 REF. DISTANCE FROM PCB TO INSIDE SURFACE
OF BULKHEAD OR PCI BRACKET
BULKHEAD/BRACKET NOT SHOWN



www.fciconnect.com			surface 3.2 ASME Y14.5		tolerance std ASME Y14.5 -		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	G. PETERS	2003/08/13	ANGULAR	LINEAR	0.X ±.3		size A4	Scale 1:1		
Eng	D. BRANN	2003/08/13			0.XX ±.10					
Chr	RAMESH P K	2008/03/27			0.XXX ±.050					
Appr	RAMESH P K	2008/03/27	Product family EyeMax (tm)					ECN 108-0048		
			Spec ref							
			title 4X R/A THUMBSCREW RECPT ASSEMBLY, w/ 7 KEY SLOTS			dwg no 10009629			Rev K	
			catalog no -			CUSTOMER			sheet 3 of 9	

PDM: Rev:K

STATUS Released

Printed: Apr 02, 2008



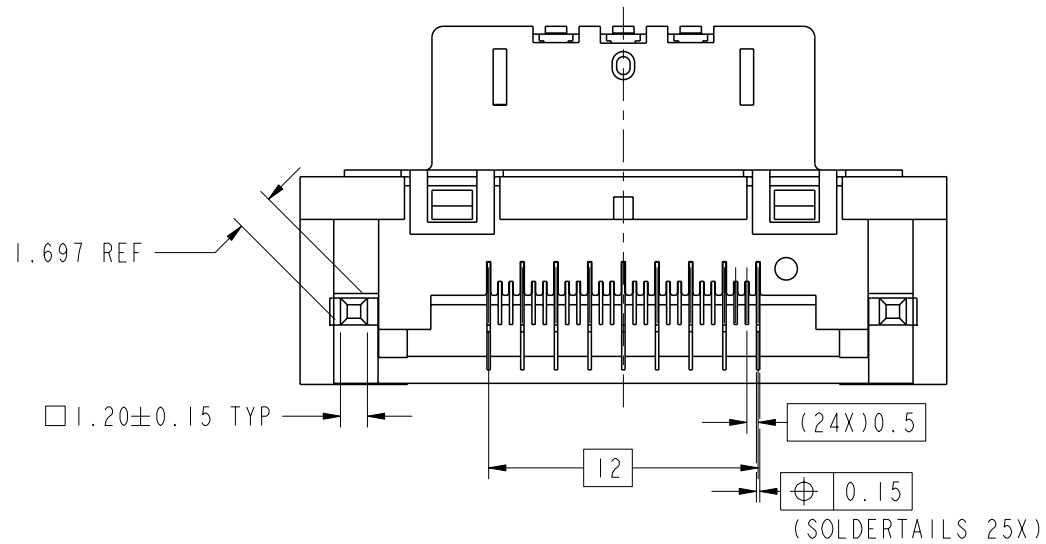
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A

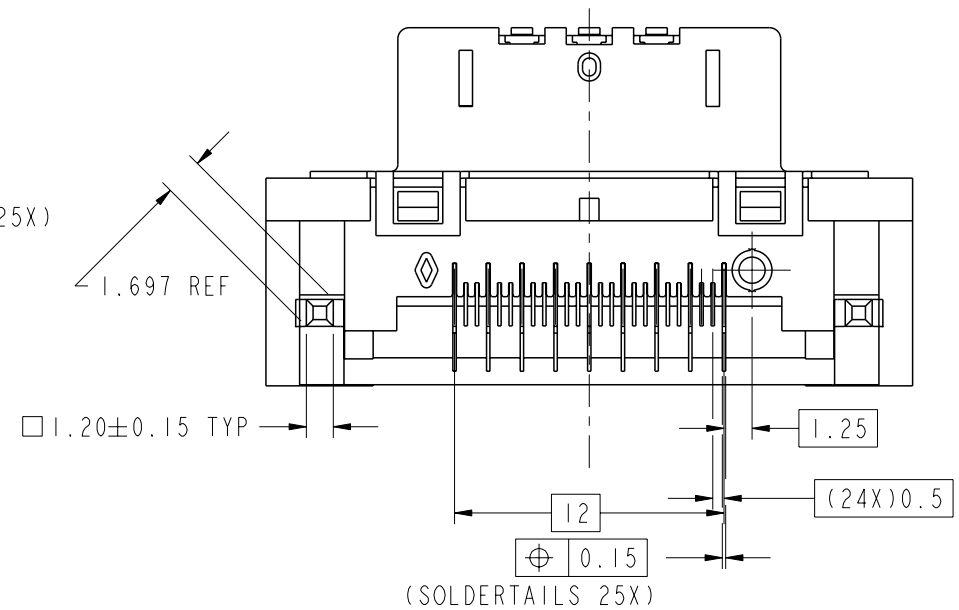
B

C

D



10009629-1XX0XX PRODUCT WITHOUT PEGS



10009629-1XX1XX PRODUCT WITH PEGS

www.fciconnect.com			surface 3.2 ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	G. PETERS	2003/08/13	ANGULAR		LINEAR	0.X	±.3	size A4	Scale 3:1	
Eng	D. BRANN	2003/08/13				0.XX	±.10			
Chr	RAMESH P K	2008/03/27	0°	±2°		0.XXX	±.050	ECN		108-0048
Appr	RAMESH P K	2008/03/27	Product family EyeMax (tm)					Spec ref		-
			title 4X R/A THUMBSCREW RECPT ASSEMBLY, w/ 7 KEY SLOTS			dwg no 10009629			Rev. K	
catalog no			-			CUSTOMER			sheet 4 of 9	

REV F - 2006-04-17

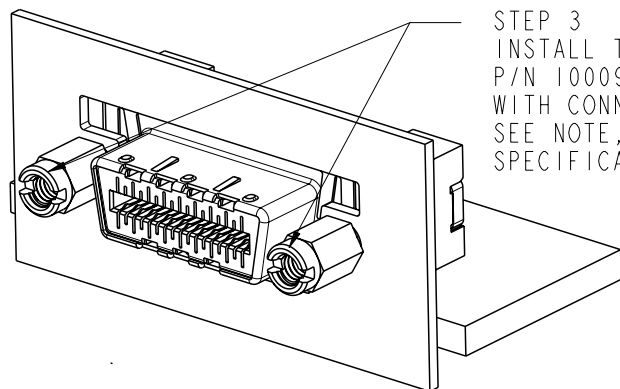
PDM: Rev:K

STATUS Released

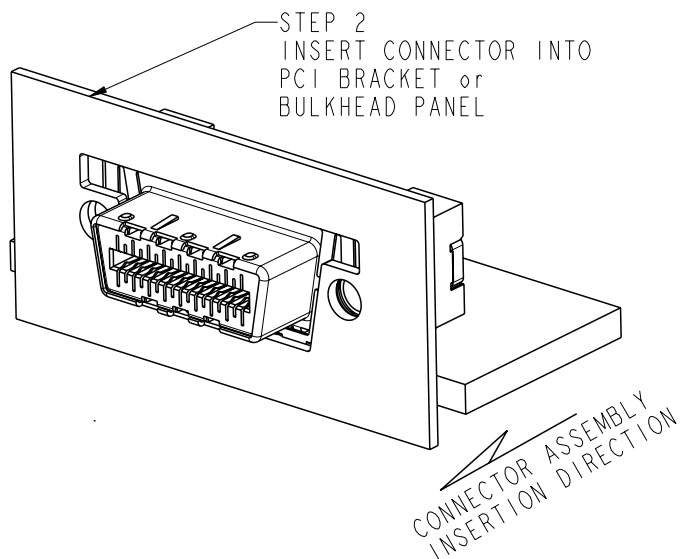
Printed: Apr 02, 2008



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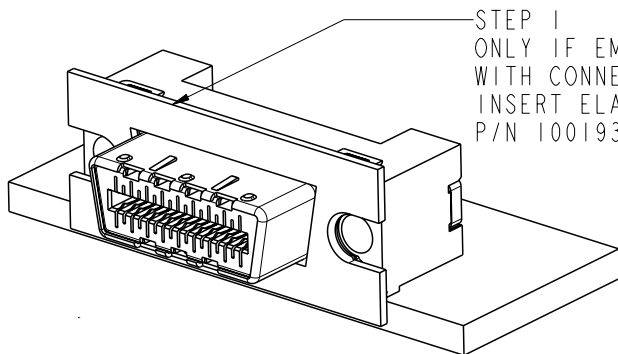


STEP 3
INSTALL THREADED STANDOFFS
P/N 10009634-001, NOT SUPPLIED
WITH CONNECTOR ASSEMBLY
SEE NOTE, SHEET 8, FOR TORQUE
SPECIFICATION.



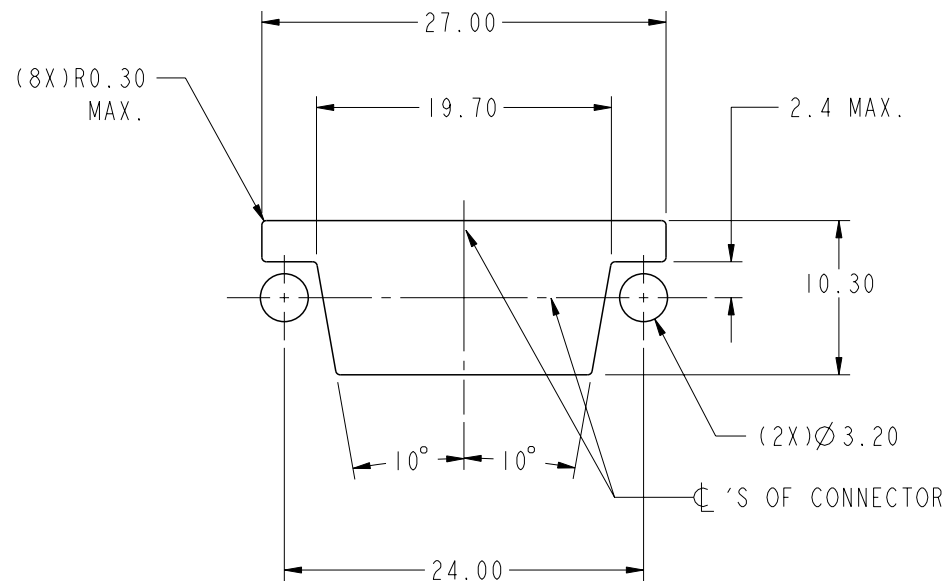
STEP 2
INSERT CONNECTOR INTO
PCI BRACKET or
BULKHEAD PANEL

CONNECTOR ASSEMBLY
INSERTION DIRECTION



STEP 1
ONLY IF EMI GASKET NOT SUPPLIED
WITH CONNECTOR ASSEMBLY.
INSERT ELASTOMERIC EMI GASKET,
P/N 10019396-001.

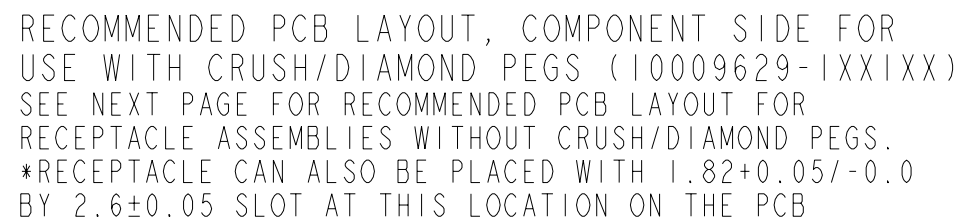
CONNECTOR APPLICATION TO PCI BRACKET/PANEL



RECOMMENDED PANEL CUTOUT

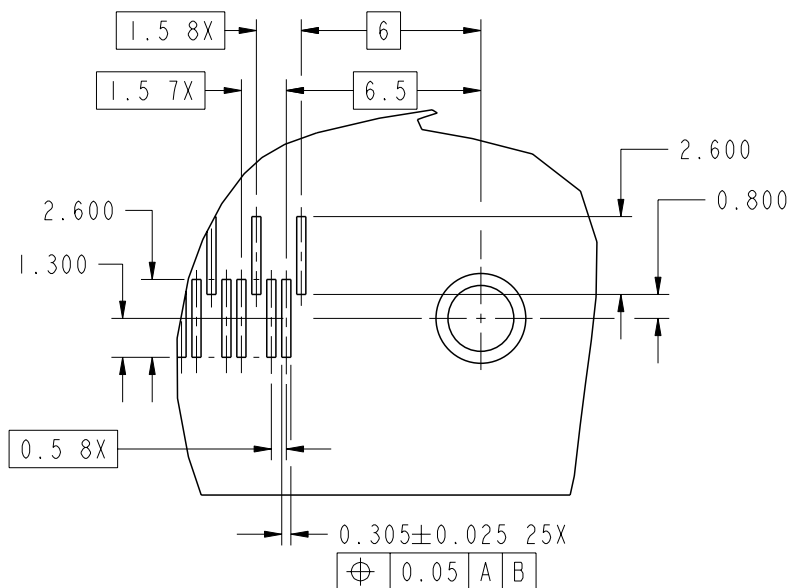
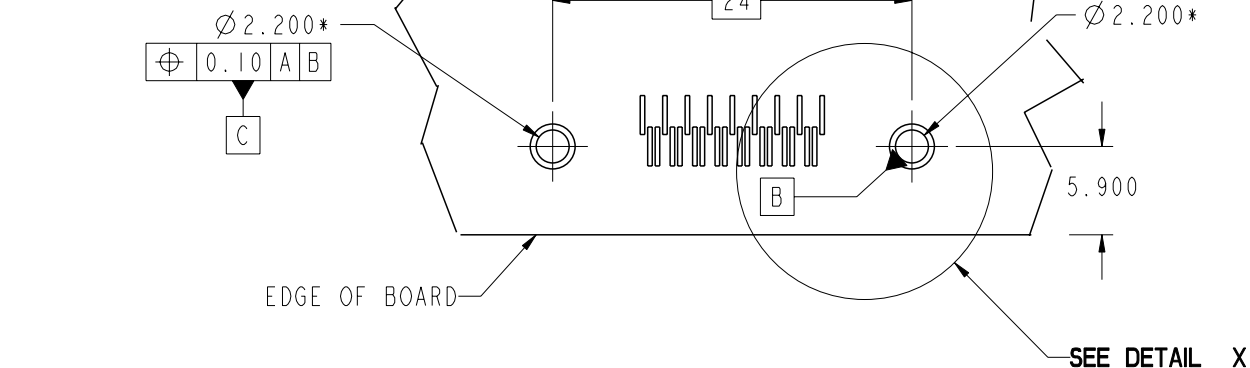
www.fciconnect.com			surface 3.2 ASME Y14.5		tolerance std ASME Y14.5 -		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	G.PETERS	2003/08/13	ANGULAR	LINEAR	0.X ±.30		size A4	Scale 1:1		
Eng	D.BRANN	2003/08/13			0.XX ±.10					
Chr	RAMESH P K	2008/03/27			0.XXX ±.050					
Appr	RAMESH P K	2008/03/27	Product family EyeMax (tm)					ECN 108-0048		
			Spec ref					-		
			title 4X R/A THUMBSCREW RECPT ASSEMBLY, w/ 7 KEY SLOTS		diag no 10009629		Rev K			
			catalog no -		CUSTOMER			sheet 5 of 9		

REV F - 2006-04-17





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DETAIL X
SCALE 4:1

DATUM A IS SURFACE OF PCB

RECOMMENDED PCB LAYOUT, COMPONENT SIDE FOR USE
WITHOUT CRUSH/DIAMOND PEGS (10009629-1XX0XX)
SEE PREVIOUS PAGE FOR RECOMMENDED PCB LAYOUT FOR
RECEPTACLE ASSEMBLIES WITH CRUSH/DIAMOND PEGS.
*PLATED THROUGH HOLES

www.fciconnect.com			surface 3.2 ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	G. PETERS	2003/08/13	ANGULAR	LINEAR	0.X ±.30		size A4	Scale 1:1		
Eng	D. BRANN	2003/08/13			0.XX ±.10					
Chr	RAMESH P K	2008/03/27			0.XXX ±.050					
Appr	RAMESH P K	2008/03/27	Product family EyeMax (tm)					ECN 108-0048		
			Spec ref					-		
			title 4X R/A THUMBSCREW RECPT ASSEMBLY, w/ 7 KEY SLOTS			dwg no 10009629			Rev K	
			catalog no -			CUSTOMER			sheet 7 of 9	

REV F - 2008-04-17

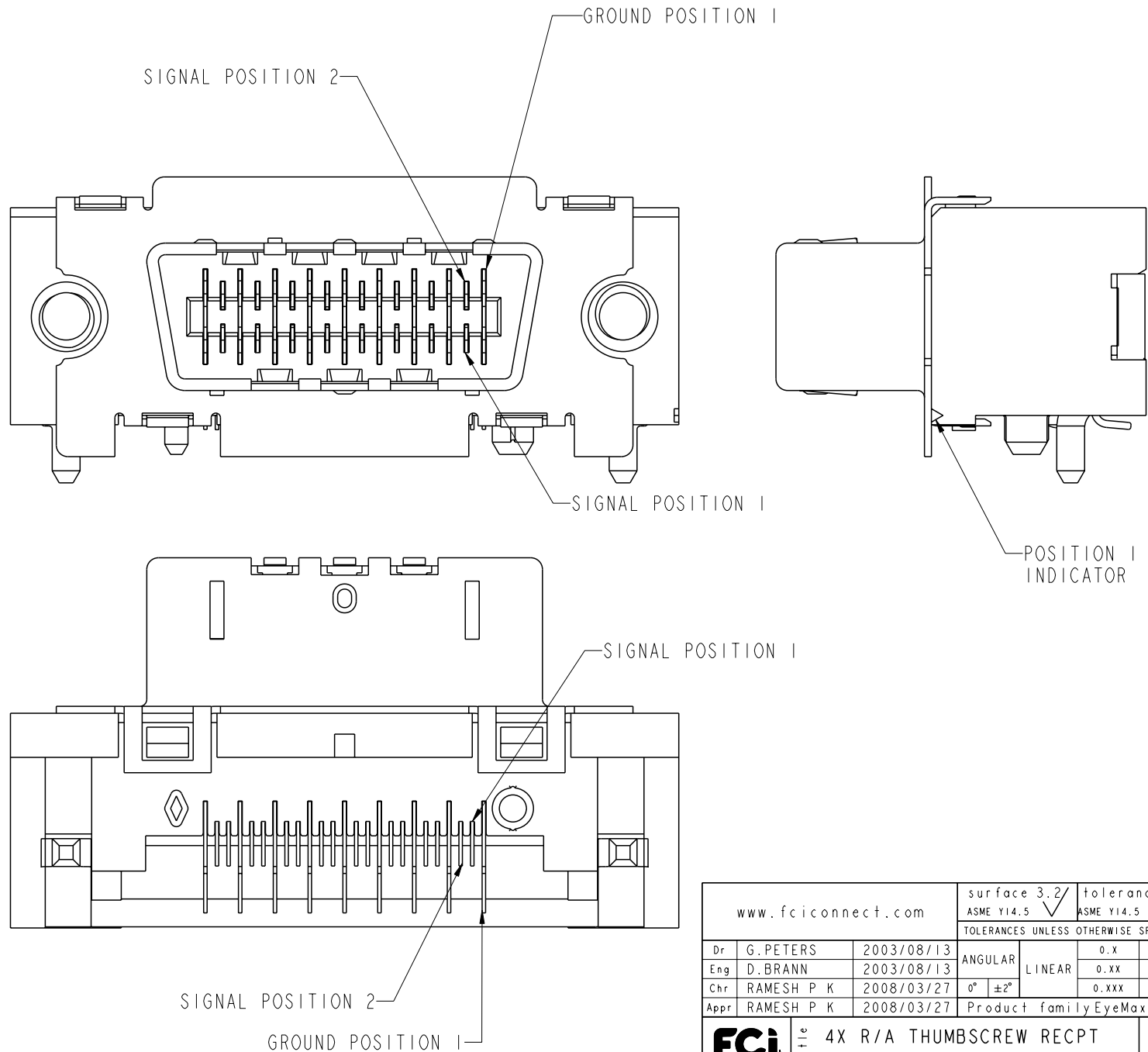
PDM: Rev:K

STATUS Released

Printed: Apr 02, 2008



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www.fciconnect.com			surface 3.2 ASME Y14.5 ✓		tolerance std ASME Y14.5 -	projection 	MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	G.PETERS	2003/08/13	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1
Eng	D.BRANN	2003/08/13			0.XX	±.10		
Chr	RAMESH P K	2008/03/27	0° ±2°		0.XXX	±.050	ECN	108-0048
Appr	RAMESH P K	2008/03/27	Product family EyeMax (tm)				Spec ref	-
			title 4X R/A THUMBSCREW RECPT ASSEMBLY, w/ 7 KEY SLOTS			dwg no 10009629		Rev. K
			catalog no			-	CUSTOMER	sheet 8 of 9

3 PDM: Rev:K

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4 Printed: Apr 02, 2008



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PRODUCT NUMBER
10009629-1XXXXX

10009629-1XXXXXXYY

SOLDERTAIL PLATING
BLANK-TIN-LEAD
LF-LEAD FREE (SEE NOTE 2)

KEYING OPTIONS
0-NONE

PACKAGING
1-TAPE & REEL
2-TRAY
3-TAPE & REEL WITH THREADED STAND-OFFS INCLUDED
(PACKAGED SEPERATELY). 2 PER CONNECTOR.
4-TRAY WITH THREADED STAND-OFFS INCLUDED
(PACKAGED SEPERATELY). 2 PER CONNECTOR.

PEGS
0-NONE
1-CRUSH/DIAMOND PEGS

PCB THICKNESS
1-1.6mm
2-2.4mm
3-4.0mm

EMI GASKET
0-WITH FOAM GASKET
1-WITHOUT GASKET
2-WITH METAL GASKET (NOT TOOLED)

PLATING
GOLD OVER NICKEL IN CONTACT AREA

PRODUCT NUMBER	BOARD THICKNESS	DIM A
10009629-1X1XXX	1.6mm	2.3mm
10009629-1X2XXX	2.4mm	3.1mm
10009629-1X3XXX	4.0mm	4.7mm

CONNECTOR NOTES:

- HOUSING MATERIAL: UL94 V-O LCP RESIN.
SIGNAL PIN MATERIAL: COPPER ALLOY.
GROUND CONTACT MATERIAL: COPPER ALLOY.
- PLATING: LEAD FREE SOLDER TAILS $2\mu\text{m}$ ($80\mu\text{in}$) MIN MATTE TIN
OVER $1.27\mu\text{m}$ ($50\mu\text{in}$) MIN NICKEL UNDERPLATE.
- P/N AND DATE CODE TO APPEAR
ON THIS SURFACE.
- PRODUCT SPECIFICATION GS-12-209.
APPLICATION SPECIFICATION GS-20-025.
- CONNECTOR WEIGHT = 5.465 grams
- PACKAGING SPECIFICATION GS-14-794. PACKAGING OF LEAD FREE
PRODUCTS MEETS LABELING AND PACKAGING SPECIFICATION GS-14-920.
- MAXIMUM PANEL THICKNESS 1.70mm
- MAXIMUM TORQUE 0.45 N-m (4.0 lbf-in)

PCB NOTES:

- ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE
SPECIFIED.
- ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE
- MATES WITH EYEMAX[®] PLUG 58443 (WITHOUT PCB), 58638
(WITH UNEQUALIZED PCB) OR 10026692 (WITH EQUALIZED PCB).
- LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE
FOR 15 SECONDS IN A CONVECTION, INFRARED OR VAPOR PHASE REFLOW
OVEN.

www.fciconnect.com			surface 3.2 ASME Y14.5 ☒		tolerance std ASME Y14.5 -		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED						size A4 Scale 1:1	
Dr	G. PETERS	2003/08/13	ANGULAR	LINEAR	0.X	±.30	size	A4	Scale	1:1
Eng	D. BRANN	2003/08/13			0.XX	±.10				
Chr	RAMESH P K	2008/03/27	0° ±2°		0.XXX	±.050	ECN	108-0048		
Appr	RAMESH P K	2008/03/27	Product family EyeMax (tm)				Spec ref	-		
			title 4X R/A THUMBSCREW RECPT ASSEMBLY, w/ 7 KEY SLOTS				drg no 10009629		Rev. K	
catalog no			-				CUSTOMER		sheet 9 of 9	