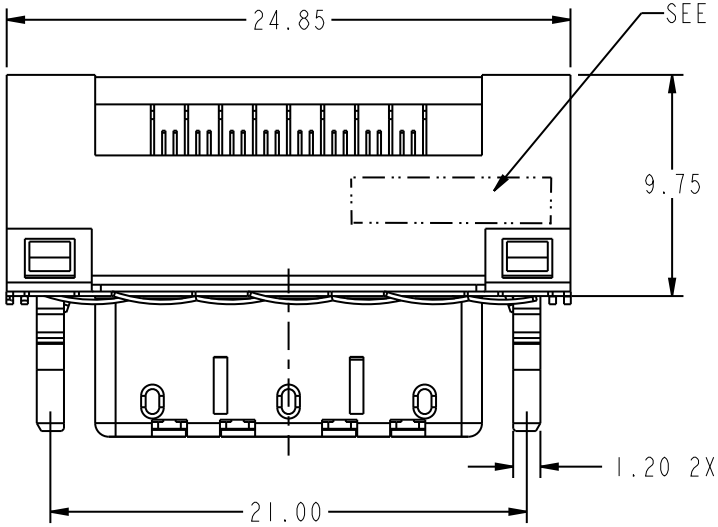
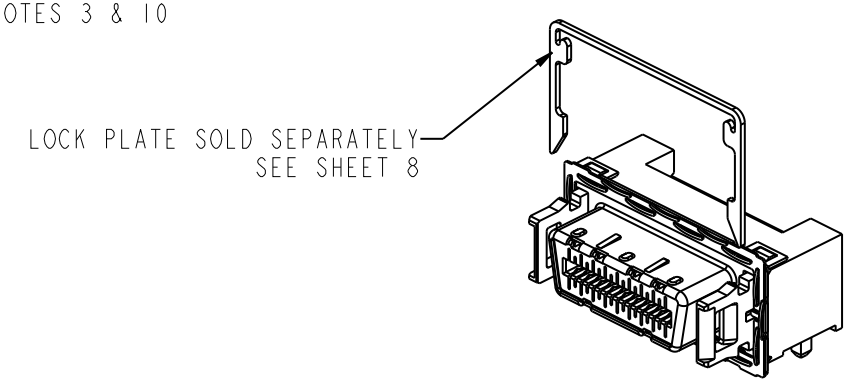
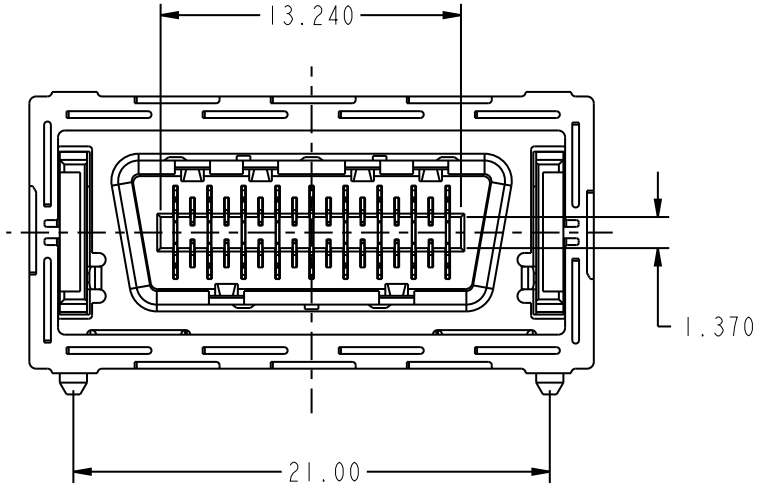
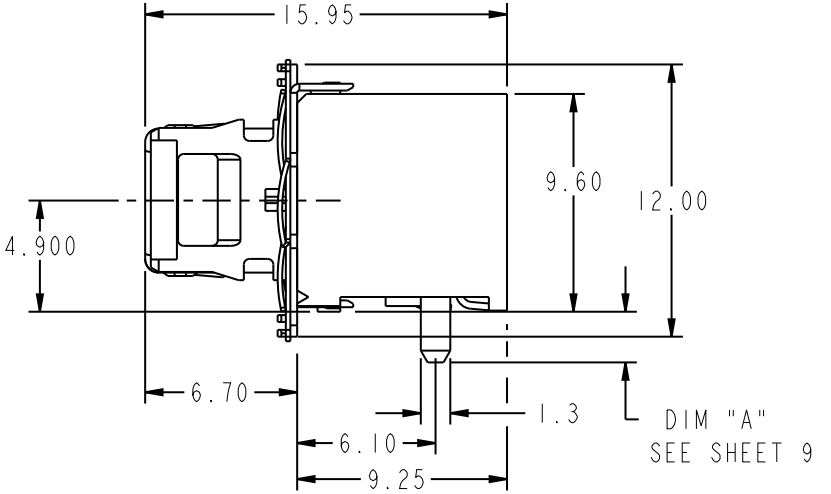
PRODUCT NUMBER
58368-11XXXX









rev	ecn no	dr	date
L	109-0115	RPK	2010-04-06
F	V03-0087	GIP	2003-13-14
G	V04-0460	DAI	2004-06-07
H	V05-0063	TAB	2005-02-14
J	105-0258	HVN	2005-11-29
K	106-0123	HVN	2006-07-26

www.fciconnect.com			surface ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection	MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1	
Eng	S.OLSON	2001-09-11			0.XX	±.10			
Chr	HIRAN V N	2006-07-26	0° ±2°		0.XXX	±.050	ECN	109-0115	
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-	
FCI	title	4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS					dwg no	58368	Rev. L
	catalog no						CUSTOMER		sheet 1 of 9

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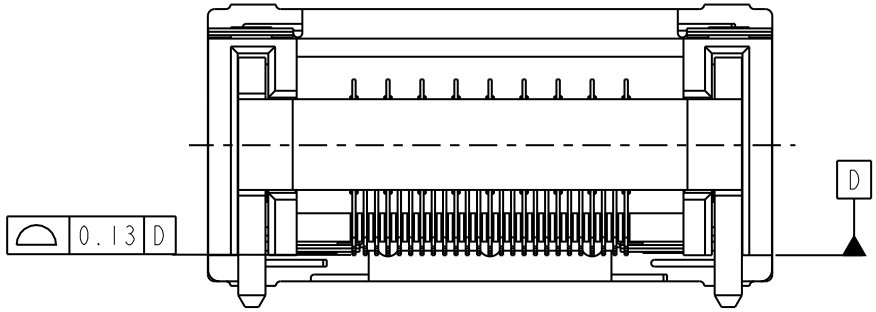
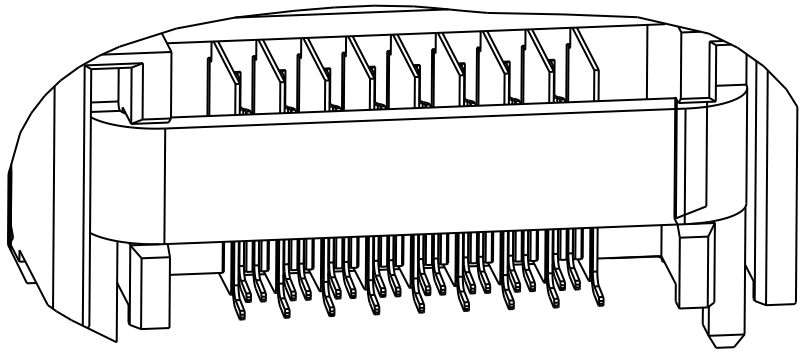


COPLANARITY MEASUREMENT TO BE TAKEN
AT BOTTOM MOST POINT OF CONTACT TAILS

COPLANARITY ZONE IS BELOW DATUM D



SCALE 4:1

www.fciconnect.com			surface ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1
Eng	S.OLSON	2001-09-11			0.XX	±.10		
Chr	HIRAN V N	2006-07-26	0° ±2°		0.XXX	±.050	ECN	109-0115
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-
	title	4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS			dwg no	58368		Rev. L
	catalog no				CUSTOMER		sheet 2 of 9	

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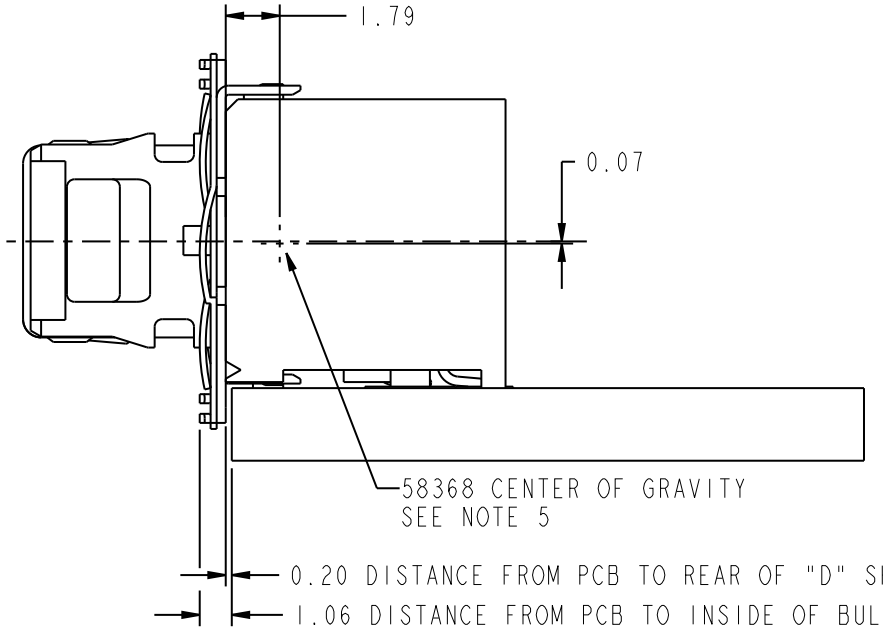
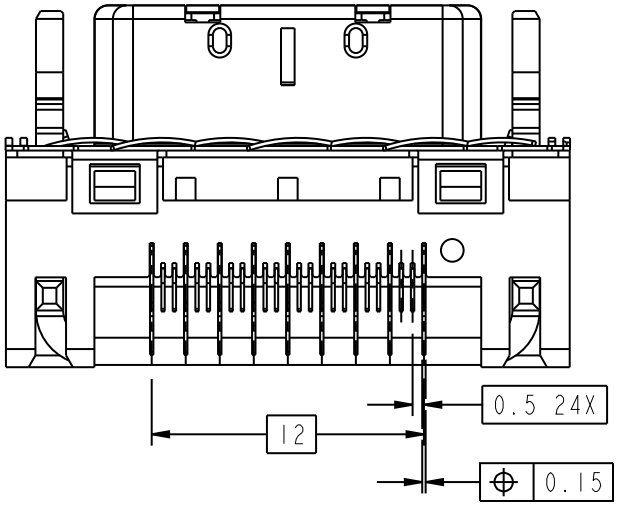
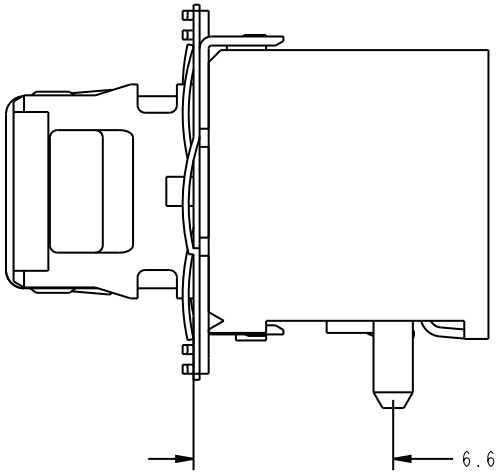
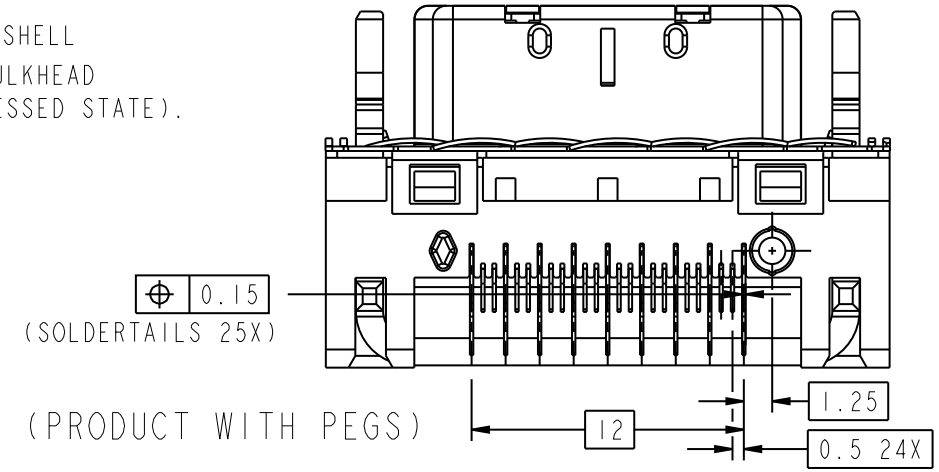




58368-XXX0XX (PRODUCT WITHOUT PEGS)





58368-XXX1XX (PRODUCT WITH PEGS)

www.fciconnect.com			surface ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection	MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1	
Eng	S.OLSON	2001-09-11			0.XX	±.10			
Chr	HIRAN V N	2006-07-26	0° ±2°		0.XXX	±.050	ECN	109-0115	
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-	
FCI	title: 4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS				dwg no: 58368		Rev. L		
	catalog no				CUSTOMER		sheet 3 of 9		

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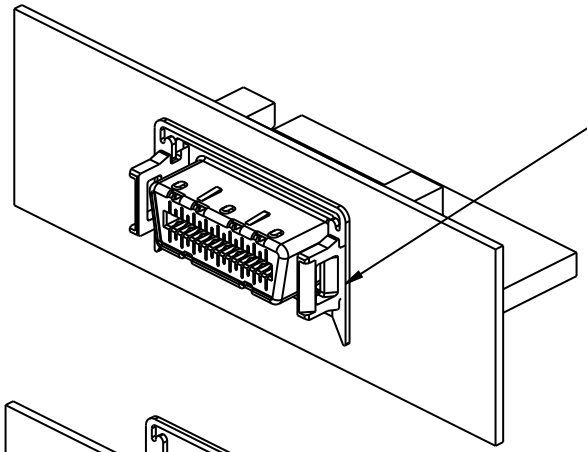
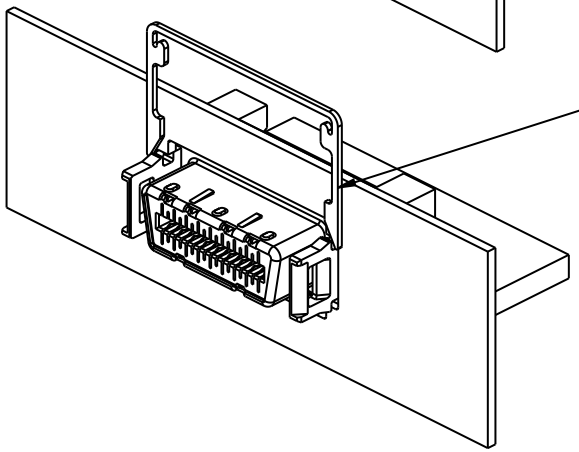
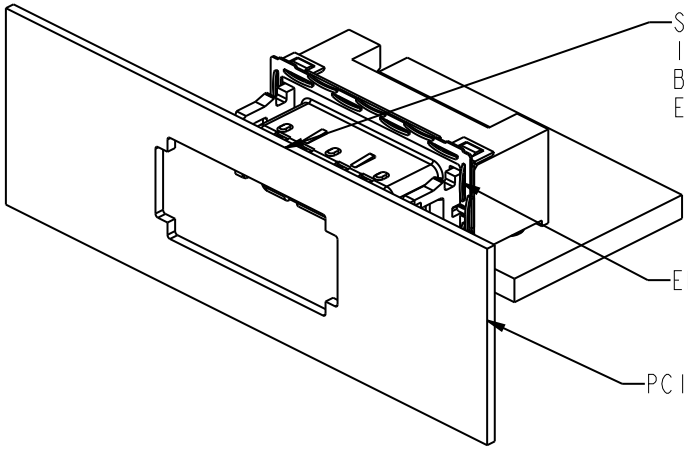


STEP 3
SLIDE LOCK PLATE(58378) DOWN
OVER CONNECTOR LATCHES.



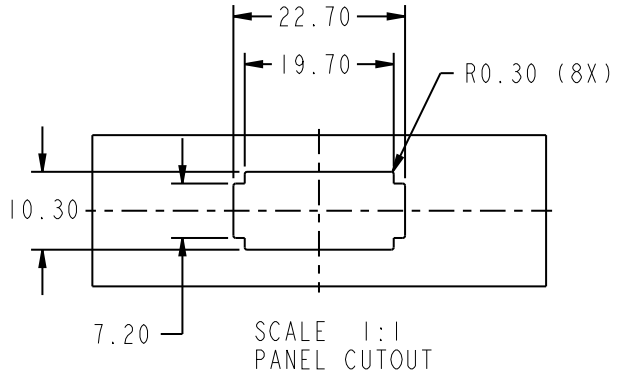
STEP 2
PLACE LOCK PLATE(58378) AGAINST
PCI BRACKET/PANEL SEE SHT. 9
FOR OPTIONS, PANEL THICKNESS.



STEP 1
INSERT CONNECTOR INTO PCI
BRACKET/PANEL COMPRESSING
EMI GASKET.

EMI GASKET

PCI BRACKET/PANEL



SCALE 1:1
PANEL CUTOUT

58378 RECEPTACLE LOCK PLATE APPLICATION

www.fciconnect.com			surface ASME Y14.5		tolerance std ASME Y14.5		projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1
Eng	S.OLSON	2001-09-11			0.XX	±.10		
Chr	HIRAN V N	2006-07-26	0° ±2°		0.XXX	±.050	ECN	109-0115
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-
FCI	title: 4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS				dwg no: 58368			Rev. L
	catalog no				CUSTOMER		sheet 4 of 9	

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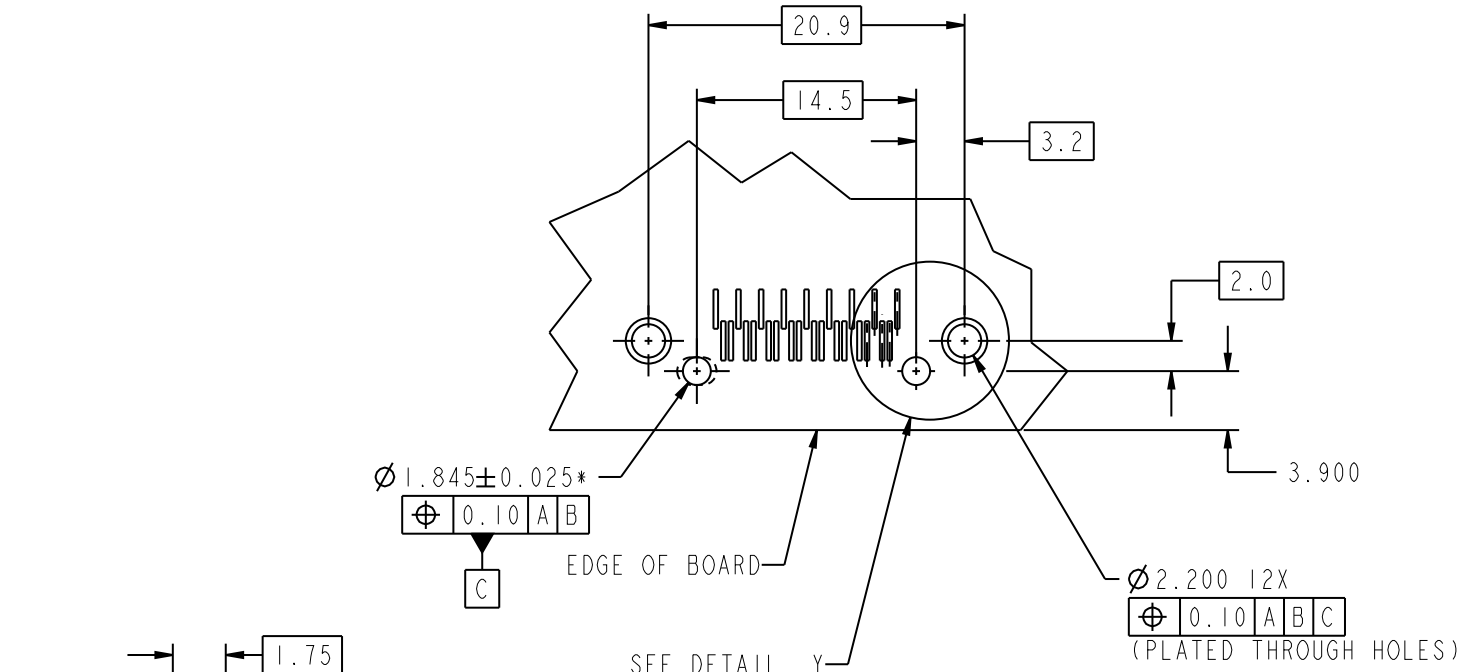

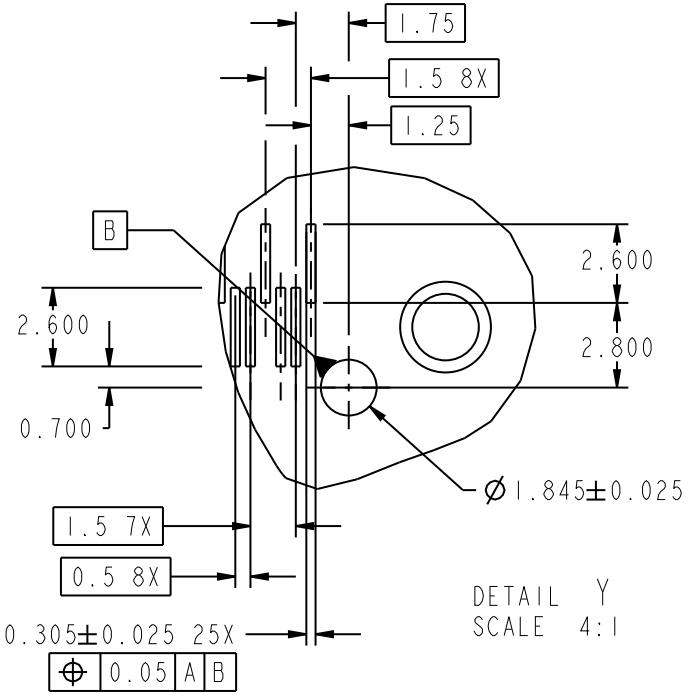

DETAIL Y
SCALE 4:1

DATUM A IS SURFACE OF PCB

THIS PCB LAYOUT IS RECOMMENDED FOR RECEPTACLE ASSEMBLIES THAT HAVE CRUSH/DIAMOND PEGS (58368-11X1XX).
SEE NEXT PAGE FOR RECOMMENDED LAYOUT FOR RECEPTACLE ASSEMBLIES WITHOUT CRUSH/DIAMOND PEGS. *RECEPTACLE CAN ALSO BE PLACED WITH 1.82+0.05/-0.0 BY 2.6±0.05 SLOT AT THIS LOCATION ON THE PCB.)

www.fciconnect.com			surface ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection	MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 2:1	
Eng	S.OLSON	2001-09-11			0.XX	±.10			
Chr	HIRAN V N	2006-07-26	0° ±2°		0.XXX	±.050	ECN	109-0115	
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-	
FCI	title: 4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS				dwg no: 58368			Rev. L	
	catalog no				CUSTOMER		sheet 5 of 9		

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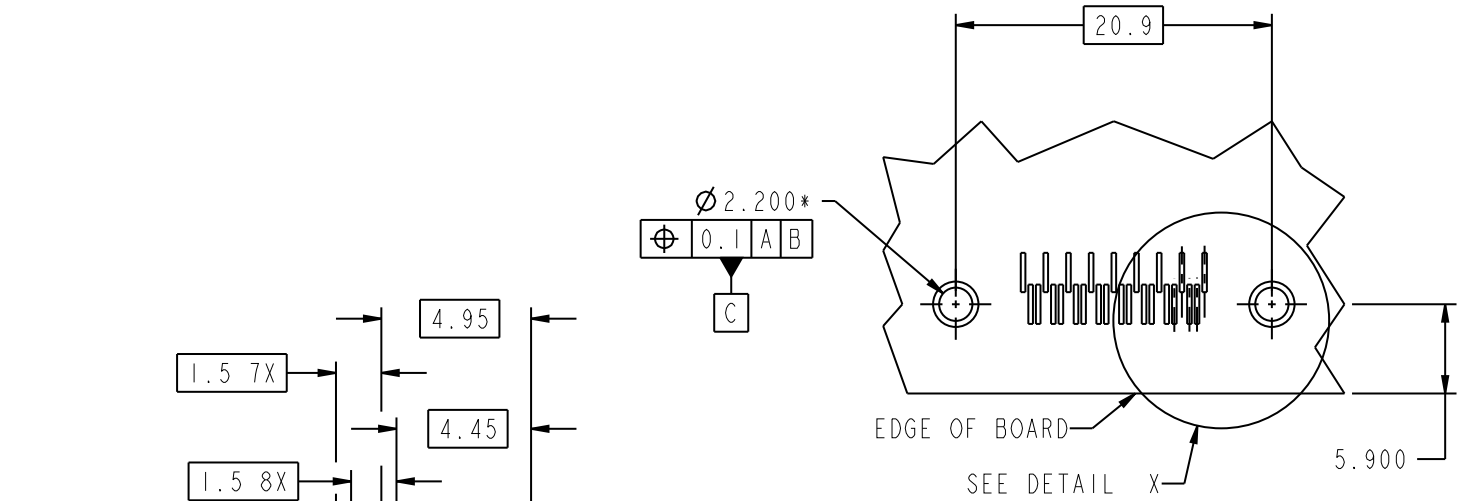

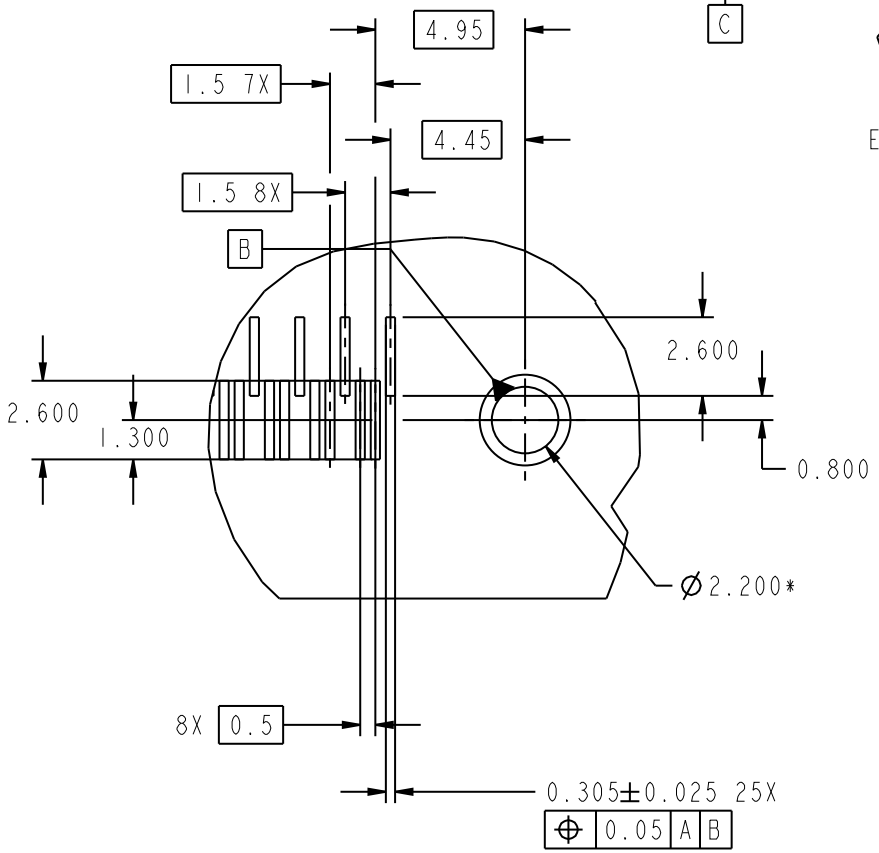

DETAIL X
SCALE 4:1

DATUM A IS SURFACE OF PCB

THIS PCB LAYOUT IS RECOMMENDED FOR RECEPTACLE ASSEMBLIES THAT DO NOT HAVE CRUSH/DIAMOND PEGS (58368-11X0XX).
SEE PREVIOUS PAGE FOR RECOMMENDED LAYOUT FOR RECEPTACLE ASSEMBLIES WITH CRUSH/DIAMOND PEGS.
*PLATED THROUGH HOLES

www.fciconnect.com			surface ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1
Eng	S.OLSON	2001-09-11			0.XX	±.10		
Chr	HIRAN V N	2006-07-26	0° ±2°		0.XXX	±.050	ECN	109-0115
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-
			title: 4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS				dwg no 58368	Rev. L
			catalog no				CUSTOMER	sheet 6 of 9

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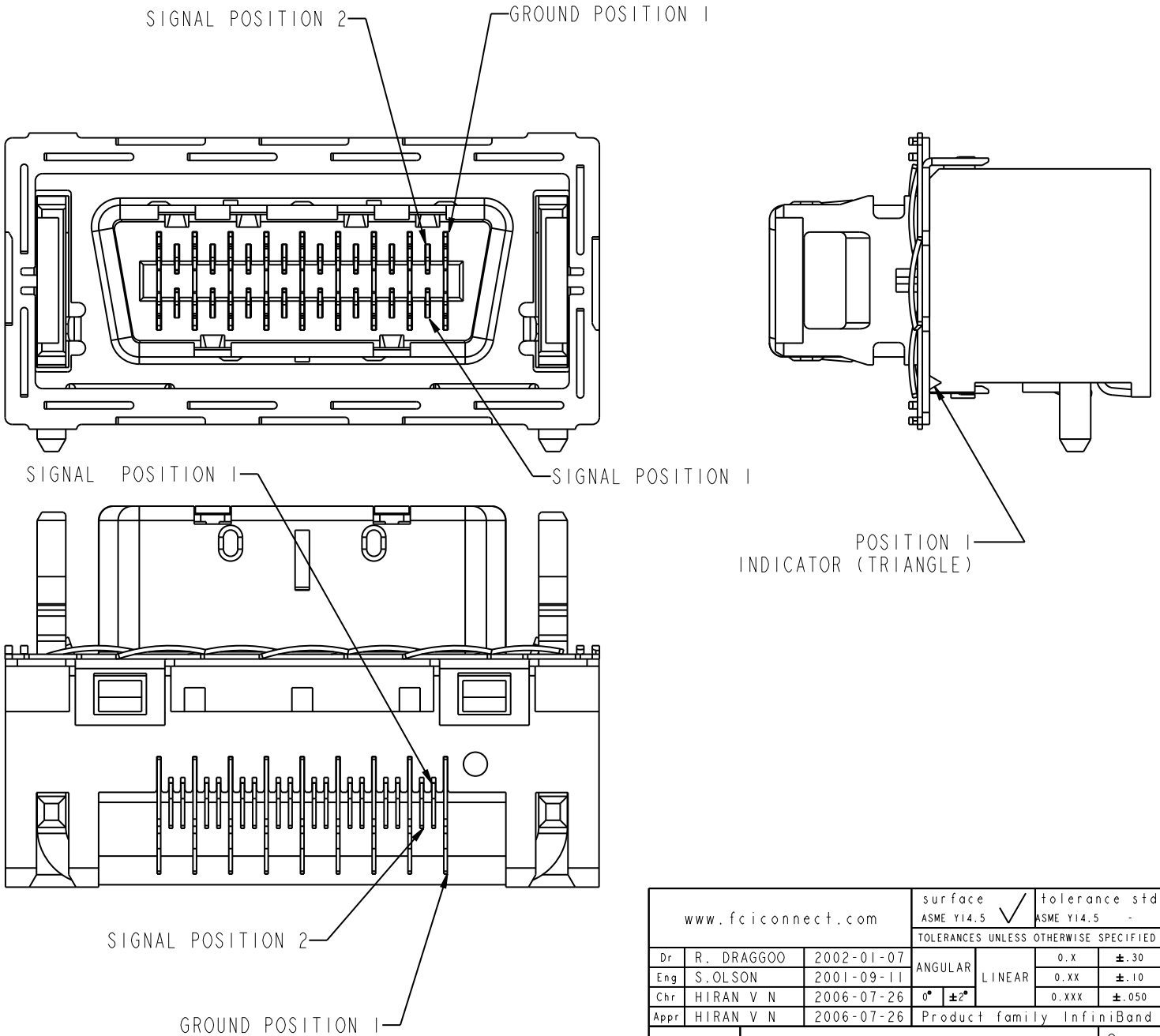

www.fciconnect.com			surface ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection	MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1	
Eng	S.OLSON	2001-09-11			0.XX	±.10			
Chr	HIRAN V N	2006-07-26	0° ±2°		0.XXX	±.050	ECN	109-0115	
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-	
FCI	title	4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS					dwg no 58368		Rev. L
	catalog no						CUSTOMER		sheet 7 of 9

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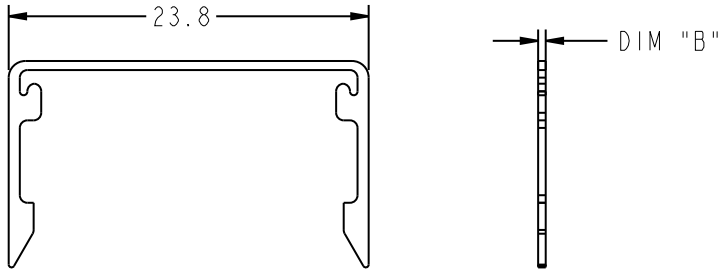
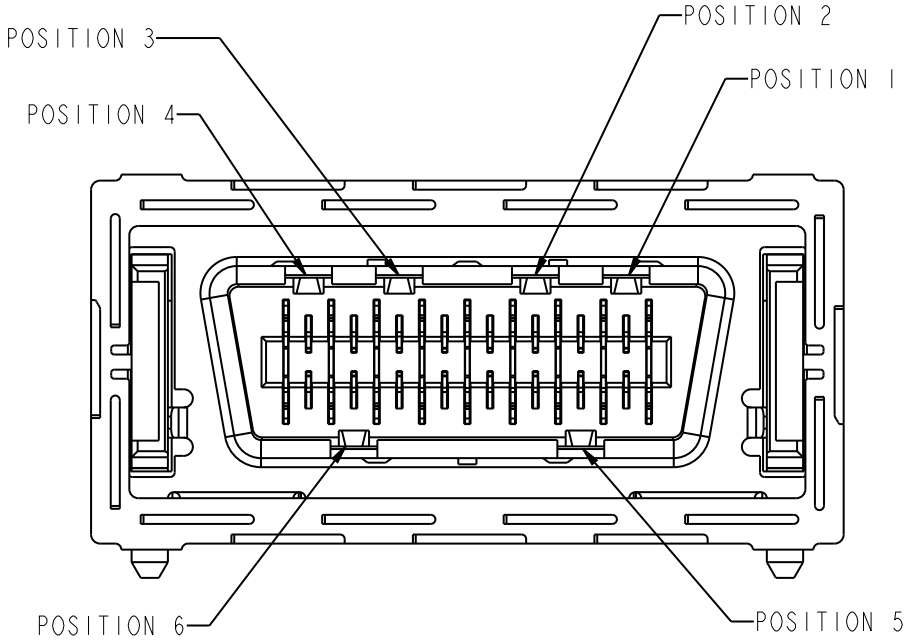
LOCK PLATE PART NUMBER	DIM "B"	SIZE	USED WITH		QTY PER BAG
			ASSEMBLY	PANEL THICKNESS	
58378-001	0.50	4X	58368	1.00±0.03mm/0.040±.001"	100
58378-011	0.30	4X	58368	1.20±0.03mm/0.047±.001"	100
58378-021	0.60	4X	58368	0.91±0.03mm/0.0359±.001" (20 GAGE PCI BRACKET	100



THESE PANEL LOCK PLATES ARE TO BE ORDERED SEPARATELY

KEYING POSITIONS						
PART NUMBER	POSITION 1	POSITION 2	POSITION 3	POSITION 4	POSITION 5	POSITION 6
58368-11XXX2		X				X



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www.fciconnect.com			surface ASME Y14.5 ✓		tolerance std ASME Y14.5 -		projection	MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1	
Eng	S.OLSON	2001-09-11			0.XX	±.10			
Chr	HIRAN V N	2006-07-26	0°	±2°	0.XXX	±.050	ECN	109-0115	
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-	
title	4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS				dwg no	58368		Rev. L	
catalog no					CUSTOMER		sheet 8 of 9		

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58368-1XXXXXYY

- SOLDERTAIL PLATING
  BLANK-TIN/LEAD
  LF-LEAD FREE (SEE NOTE 2)
- KEYING OPTIONS, SEE SHEET 8
  0-NONE
  2-CUSTOM
- PACKAGING
  1-TAPE & REEL
  2-TRAY
- PEGS
  0-NONE
  1-CRUSH/DIAMOND PEGS
- PCB THICKNESS
  1-1.6mm
  2-2.4mm
  3-4.0mm
- EMI GASKET
  0-WITHOUT GASKET
  1-WITH GASKET
- INTERFACE PLATING
  1-Au over Ni

PRODUCT NUMBER	BOARD THICKNESS	DIM A
58368-111XXX	1.6mm	2.3
58368-112XXX	2.4mm	3.1
58368-113XXX	4.0mm	4.7

NOTES:

1. HOUSING MATERIAL: UL94 V-0 LCP RESIN.
   SIGNAL PIN MATERIAL: COPPER ALLOY.
   GROUND CONTACT MATERIAL: COPPER ALLOY.
2. PLATING: LEAD FREE SOLDER TAILS 2µm (80µin) MIN MATTE TIN OVER 1.27µm (50µin) MIN NICKEL UNDERPLATE.
3. P/N AND DATE CODE TO APPEAR ON THIS SURFACE.
4. PRODUCT SPECIFICATION GS-12-209.
5. CONNECTOR WEIGHT = 6.38 grams
6. APPLICATION SPECIFICATION: GS-20-025
7. PACKAGING SPECIFICATION GS-14-794. PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING SPECIFICATION GS-14-920.
8. ALL DIMENSIONS ON PCB'S ARE BASIC UNLESS OTHERWISE SPECIFIED.
9. ALL HOLE DIAMETERS ON PCB'S ARE FINISHED HOLE SIZE
10. AREA ON TOP OF CONNECTOR IS FLAT & SMOOTH AND CAN BE USED FOR VACUUM PICK & PLACE.
11. MATES WITH EYEMAX (R) PLUG 58443 (WITHOUT PCB), 58638 (WITH UNEQUALIZED PCB) OR 10026692 (WITH EQUALIZED PCB).
12. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
13. 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 ASME Y14.5 √		tolerance std ASME Y14.5 -		projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	R. DRAGGOO	2002-01-07	ANGULAR	LINEAR	0.X	±.30	size A4	Scale 1:1
Eng	S.OLSON	2001-09-11			0.XX	±.10		
Chr	HIRAN V N	2006-07-26	0° ±2°		0.XXX	±.050	ECN	109-0115
Appr	HIRAN V N	2006-07-26	Product family InfiniBand				Spec ref	-
FCI	title	4X R.A. RECEPT. ASS'Y w/o MOUNTING TABS			dwg no	58368		Rev. L
	catalog no				CUSTOMER		sheet 9 of 9	

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