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A

B

C

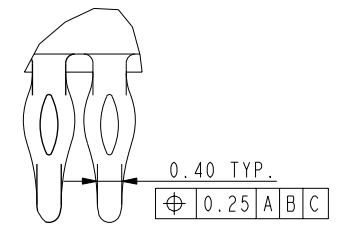
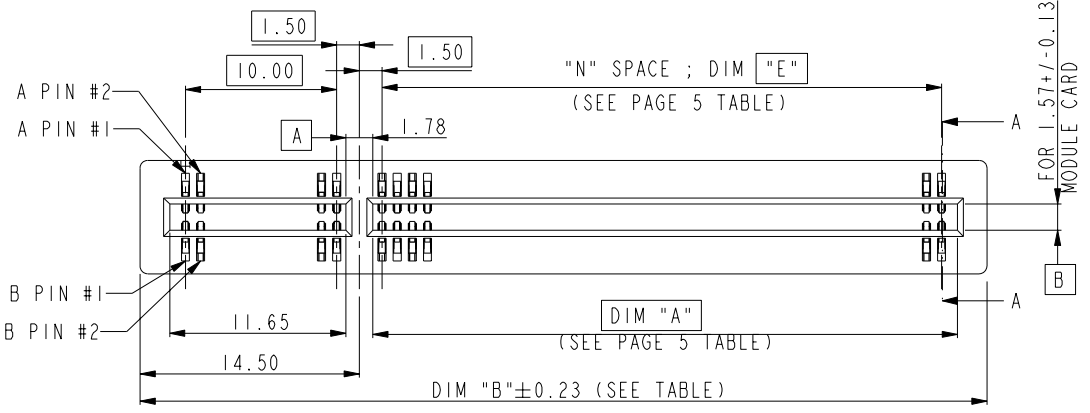
D

A

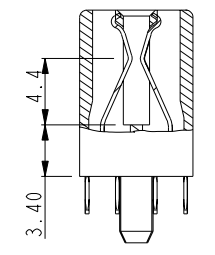
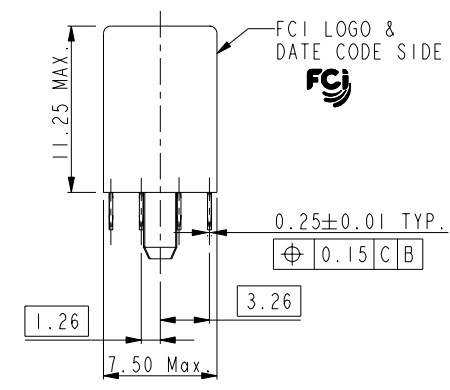
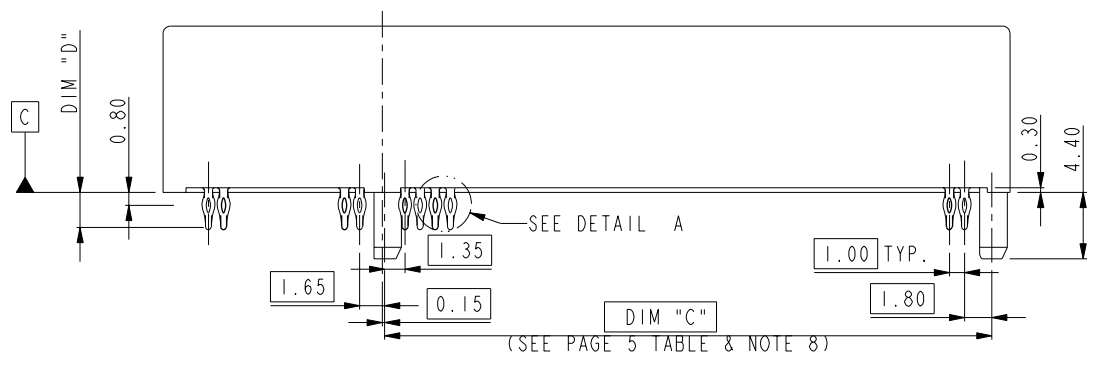
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C

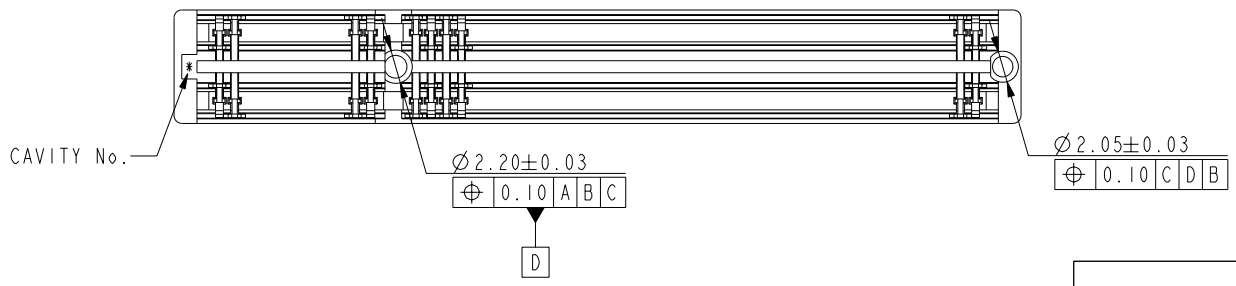
D



DETAIL A  
SCALE 8.000



SECTION A-A  
SCALE 2.000

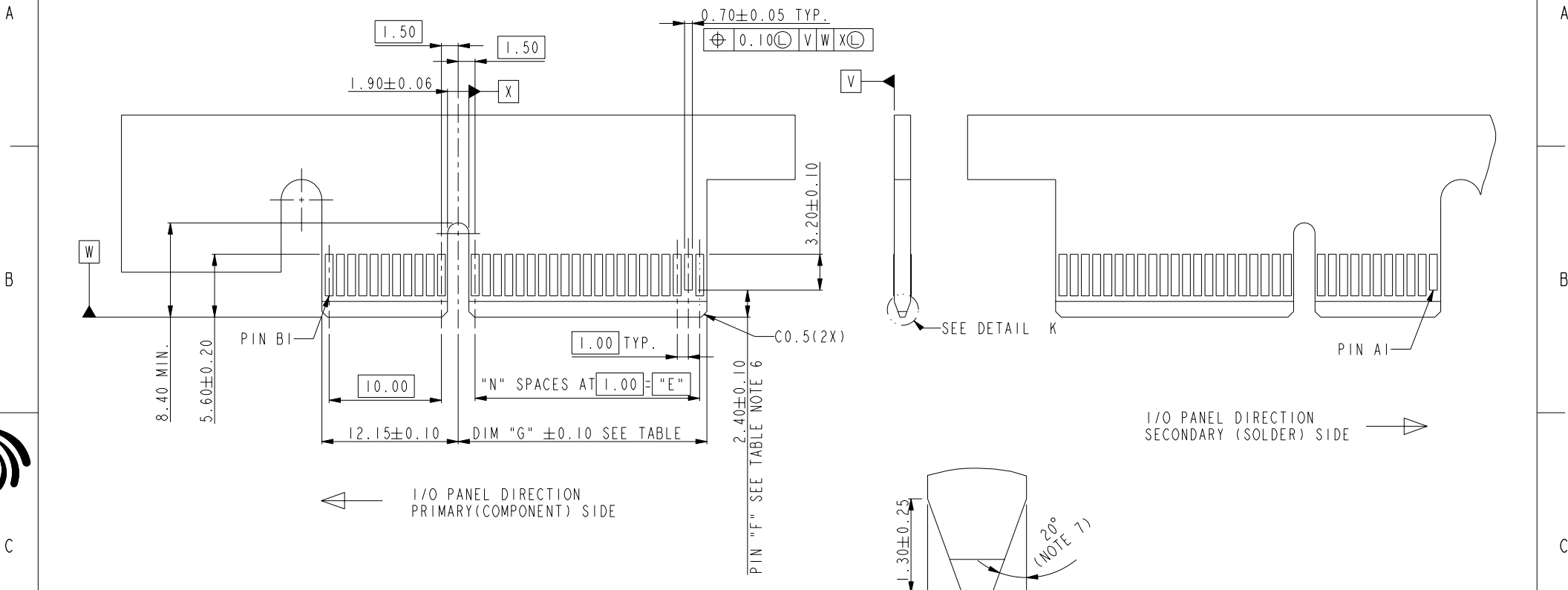


www.fciconnect.com		surface	<input checked="" type="checkbox"/>	tolerance std	projection	MM
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Dr	Richard Chiu	06/16/2008	ANGULAR	0.X	±0.25	size A4
Eng	Richard Chiu	06/16/2008	LINEAR	0.XX	±0.15	Scale 1.000
Chr	Paul Wang	06/16/2008	0° ±5°	0.XXX	±0.10	ECN T09-1159
Appr	Joseph Hsia	06/16/2008	Product family		Spec ref	
FCI		title		dwg no		Rev.
		PCIE GENERATION II		10082378		C
		PRESS-FIT TYPE ASSEMBLY		CUSTOMER		sheet 1 of 6
		catalog no				

rev	ecn no	dr	date
A	T09-1074	RC	05/19/2009
B	T09-1112	RC	09/02/2009
C	T09-1159	RC	12/16/2009
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-	-	-	-
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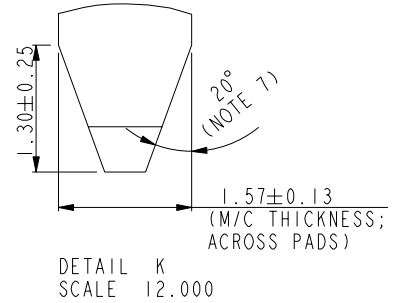


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← I/O PANEL DIRECTION  
PRIMARY (COMPONENT) SIDE

I/O PANEL DIRECTION  
SECONDARY (SOLDER) SIDE →



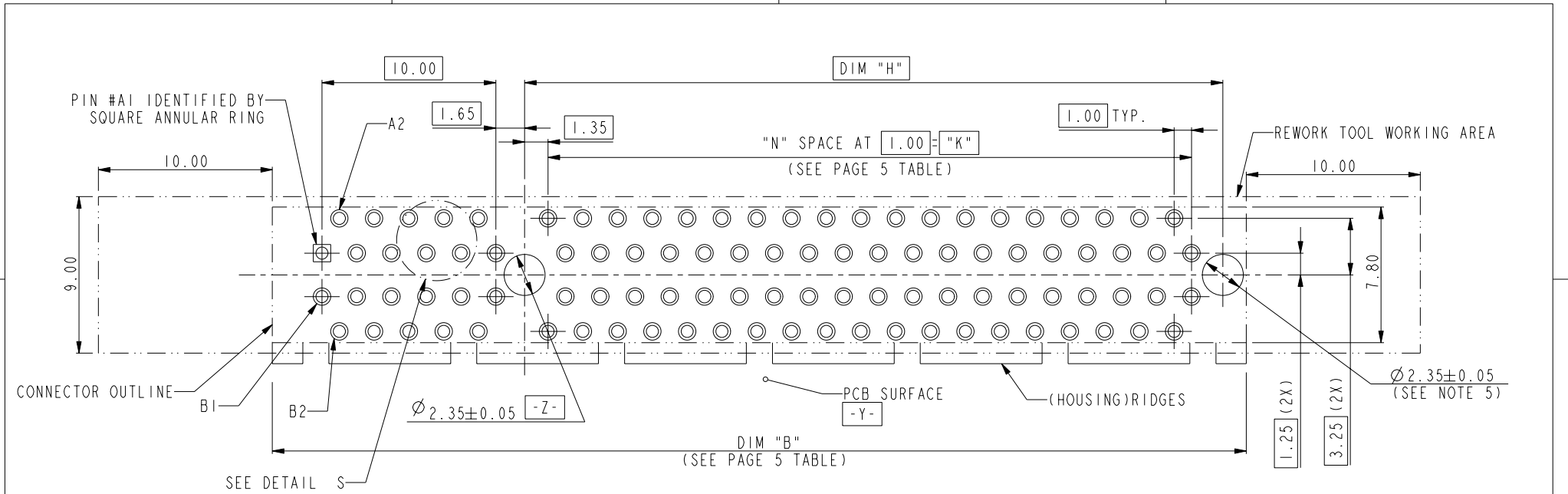
POS. REF.	N	DIM "G"	"F"
36	6	8.15	B17
64	20	22.15	B31
98	37	39.15	B48
164	70	72.15	B81

www.fciconnect.com		surface	tolerance std	projection	MM
		✓		⊕	←→
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	Richard Chiu	06/16/2008	ANGULAR	0.X	±0.25
Eng	Richard Chiu	06/16/2008	LINEAR	0.XX	±0.15
Chr	Paul Wang	06/16/2008	0° ±5°	0.XXX	±0.10
Appr	Joseph Hsia	06/16/2008	Product family	size	A4
				ECN	T09-1159
				Spec ref	
FCI		title		dwg no	Rev.
		PCIE GENERATION II		10082378	C
		PRESS-FIT TYPE ASSEMBLY			
		catalog no	-	CUSTOMER	sheet 2 of 6

REV F - 2006-04-11



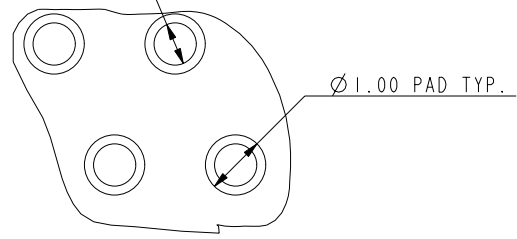
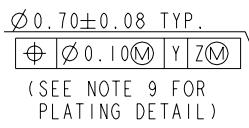
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← I/O PANEL DIRECTION

### RECOMMENDED FOOTPRINT

POS. REF.	N	DIM "H"	DIM "K"
36	6	9.15	6.00
64	20	23.15	20.00
98	37	40.15	37.00
164	70	73.15	70.00



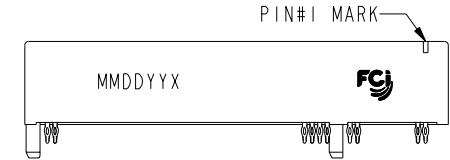
DETAIL S  
SCALE 8.000

www.fciconnect.com			surface <input checked="" type="checkbox"/>	tolerance std	projection	MM		
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	Richard Chiu	06/16/2008	ANGULAR	LINEAR	0.X	$\pm 0.25$	size A4	Scale 1.000
Eng	Richard Chiu	06/16/2008			0.XX	$\pm 0.15$		
Chr	Paul Wang	06/16/2008			0.XXX	$\pm 0.10$		
Appr	Joseph Hsia	06/16/2008	Product family		ECN T09-1159		Spec ref	
FCI			title PCIE GENERATION II			dwg no 10082378		Rev. C
			catalog no			CUSTOMER		sheet 3 of 6

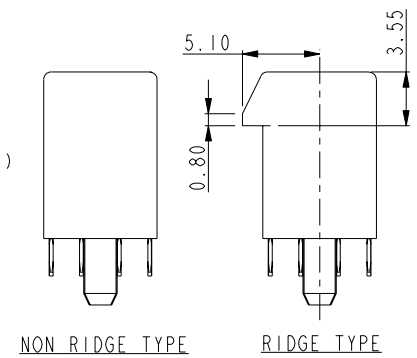
NOTES:

- 1. MATERIAL:  
HOUSING: HIGH PERFORMANCE RESIN, GLASS FILLED UL94V-0 RATED  
TERMINAL: COPPER ALLOY  
PLATING: 50u" NICKEL UNDERPLATE ALL OVER TERMINAL  
CONTACT AREA PLATING - SEE PRODUCT NUMBER CODE  
CONTACT TAIL: TIN OR Sn/Pb - 100u" MIN. OVER 50u" NICKEL
- 2. P/N SEE TABLE AND PRODUCT NUMBER CODE : DESH-XXXXXTLF FOR TRAY PACKAGING.
- 3. PACKAGING SPECIFICATION.: GS-14-974
- 4. PRODUCT SPECIFICATION : GS-12-584
- △ THE HORIZONTAL AXIS FOR THE HOLE PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTER OF THE TWO Ø2.35 HOLES.  
THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS, THROUGH THE CENTER OF DATUM Z.
- △ NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND PIN NUMBERS "F".
- △ CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
- △ DIMENSION APPLIES AT CENTER OF PLASTIC PEGS, DIMENSION SHOWN IS TO CENTER LINE OF PEGS.
- △ ALL PTH SHOULD BE 0.70-0.82 mm DIA DRILLED AND 0.025 mm MIN. ELECTRO-DEPOSITED COPPER THK ON THROUGH HOLE WALL.
- 10. PRODUCT RoHS DEFINITIONS:  
a-IF TERMINAL PLATING OPTION IS "0,1 OR 2" WHICH MEANS PRODUCT IS 'ROHS COMPATIBLE'.  
THERE WILL BE "LF" SUFFIX IN THE END.  
b-IF TERMINAL PLATING OPTION IS "3,4 OR 5" WHICH MEANS PRODUCT IS 'ROHS COMPLIANT'.  
THERE WILL BE NO "LF" SUFFIX IN THE END.  
c-"LF" MEANS THE PRODUCT IS LEAD-FREE, 2um MINIMUM MATTE TIN OVER 1.27um MINIMUM NICKEL UNDERPLATE.
- 11. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS.

10082378 - X X X X X X X X



DATE CODE:  
MMDDYY: MONTH/DAY/YEAR  
X: "K" - GEN.2 MARK



HOUSING COLOR OPTION:  
1: BLACK

0: NON-RIDGE TYPE  
1: RIDGE TYPE  
(SEE NEXT PAGE)

TERMINAL PLATING OPTIONS

- 0-50u" Ni UNDERPLATE  
30u" Au CONTACT AREA  
100u" TIN TAIL AREA
- 1-50u" Ni UNDERPLATE  
15u" Au CONTACT AREA  
100u" TIN TAIL AREA
- 2-50u" Ni UNDERPLATE  
GOLD FLASH CONTACT AREA  
100u" TIN TAIL AREA
- 3-50u" Ni UNDERPLATE  
30u" Au CONTACT AREA  
100u" TIN/LEAD TAIL AREA
- 4-50u" Ni UNDERPLATE  
15u" Au CONTACT AREA  
100u" TIN/LEAD TAIL AREA
- 5-50u" Ni UNDERPLATE  
GOLD FLASH CONTACT AREA  
100u" TIN/LEAD TAIL AREA

LEAD FREE OPTION  
"LF": LEAD-FREE (FOR TERMINAL PLATING OPTION 0,1,2)  
"□□": NOT LEAD-FREE (FOR TERMINAL PLATING OPTION 3,4,5)

PACKAGING OPTIONS  
T-TRAY PACKAGING

POS OPTIONS  
0-36  
1-64  
2-98  
3-164

TAIL LENGTH OPTIONS

	DIM "D"	PCB THICKNESS
0	2.00±0.20	2.36
1	3.25±0.20	4.19



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			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	Richard Chiu	06/16/2008	ANGULAR	LINEAR	0.X	±0.25	size A4	Scale 1.000
Eng	Richard Chiu	06/16/2008			0.XX	±0.15	ECN	T09-1159
Chr	Paul Wang	06/16/2008	0°	±5°	0.XXX	±0.10	Spec ref	
Appr	Joseph Hsia	06/16/2008	Product family					
			title PCIE GENERATION II PRESS-FIT TYPE ASSEMBLY			dwg no 10082378		Rev. C
catalog no			-			CUSTOMER		sheet 4 of 6

1

2

3

4

A

A

B

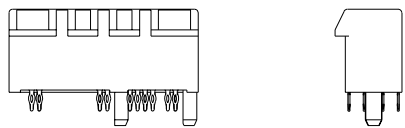
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C

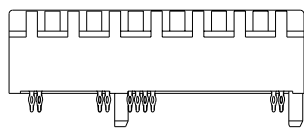
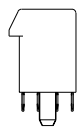
C

D

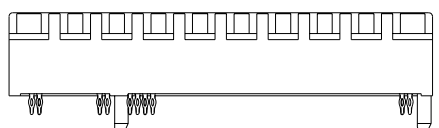
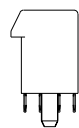
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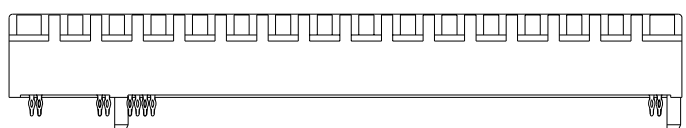
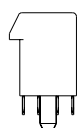
36 PIN RIDGE TYPE FRONT VIEW



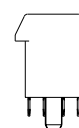
64 PIN RIDGE TYPE FRONT VIEW



98 PIN RIDGE TYPE FRONT VIEW



164 PIN RIDGE TYPE FRONT VIEW



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REV F - 2006-04-17

www.fciconnect.com			surface	<input checked="" type="checkbox"/>	tolerance std	projection	MM		
			TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	Richard Chiu	06/16/2008	ANGULAR	LINEAR	0.X	±0.25	size A4	Scale 1.000	
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Chr	Paul Wang	06/16/2008	0°	±5°	0.XXX	±0.10	ECN	T09-1159	
Appr	Joseph Hsia	06/16/2008	Product family			-	Spec ref		
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						PRESS-FIT TYPE ASSEMBLY			
			catalog no			-		CUSTOMER	sheet 5 of 6

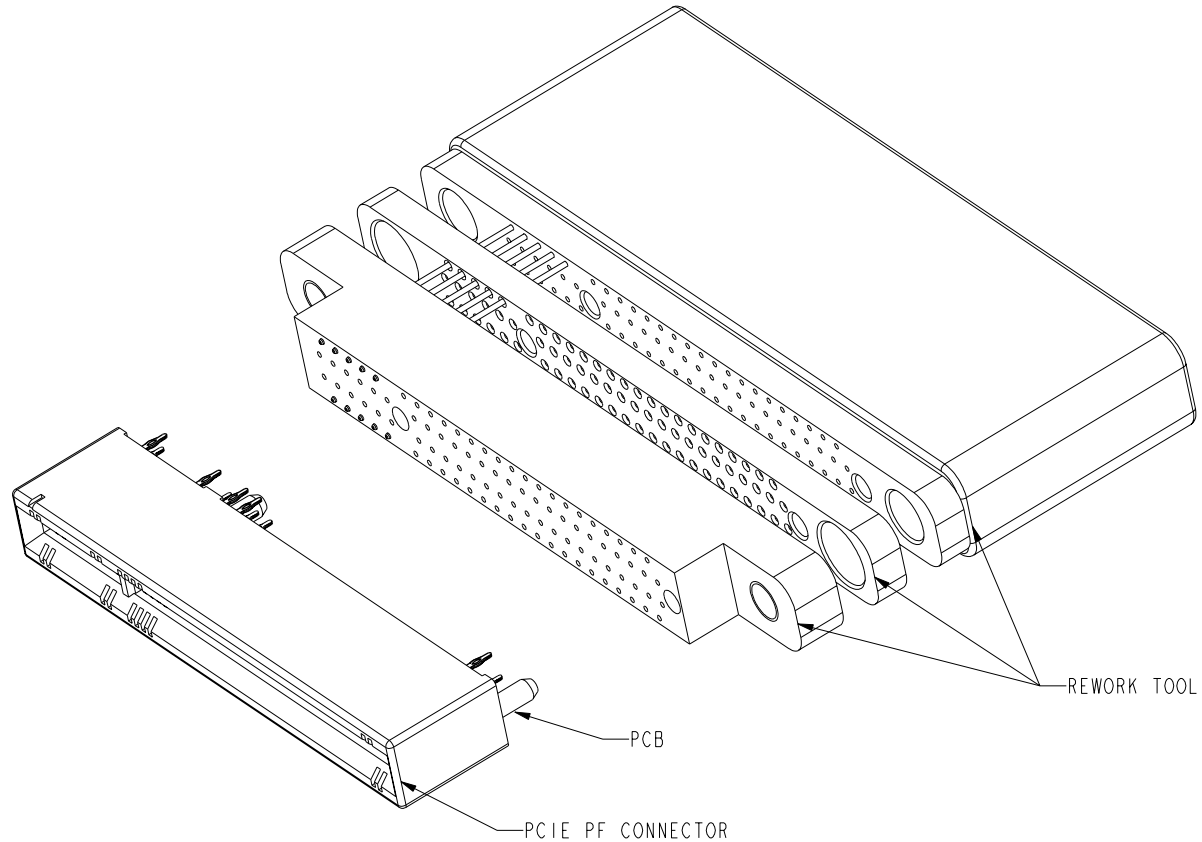
PDM: Rev:C

STATUS:Released

4 Printed: Feb 14, 2011



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CONNECTOR REWORK TOOL & ILLUSTRATION  
(SEE APPLICATION SPECIFICATION GS-20-117  
FOR DETAILS)

PRODUCT DIMENSION TABLE FOR EACH TYPES

CONNECTOR	# POS	REF.	N	DIM "A"	DIM "B"	DIM "C"	DIM "E"
1 PORT	36		6	7.65	25.00	9.15	6.00
4 PORT	64		20	21.65	39.00	23.15	20.00
8 PORT	98		37	38.65	56.00	40.15	37.00
16 PORT	164		70	71.65	89.00	73.15	70.00

www.fciconnect.com			surface	<input checked="" type="checkbox"/>	tolerance std	projection	MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	Richard Chiu	06/16/2008	ANGULAR	LINEAR	0.X	±0.25	size A4	Scale 1.000
Eng	Richard Chiu	06/16/2008			0.XX	±0.15		
Chr	Paul Wang	06/16/2008			0° ±5°	0.XXX	±0.10	ECN T09-1159
Appr	Joseph Hsia	06/16/2008	Product family			Spec ref		
		title PCIE GENERATION II PRESS-FIT TYPE ASSEMBLY			dwg no 10082378		Rev. C	
catalog no		CUSTOMER			sheet 6 of 6			