



Copyright FCI.

A

B

C

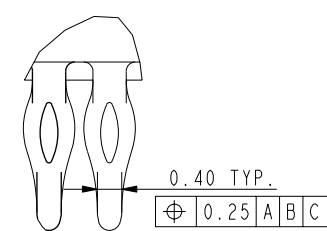
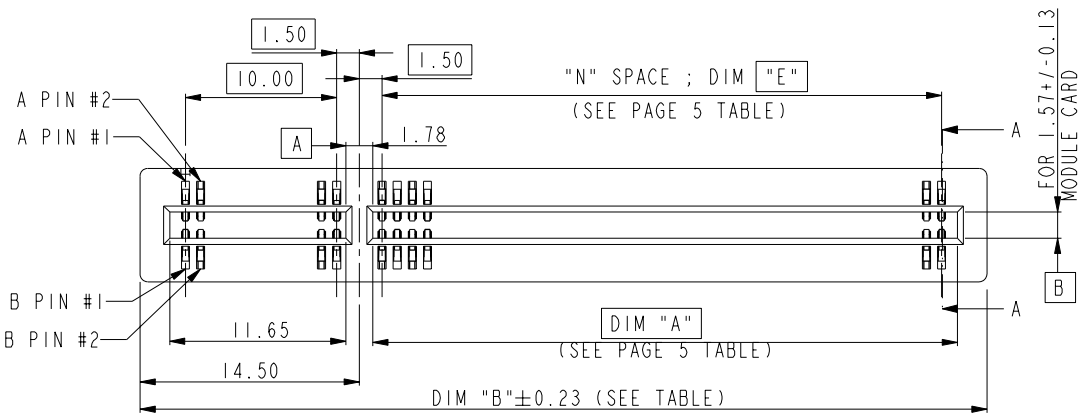
D

A

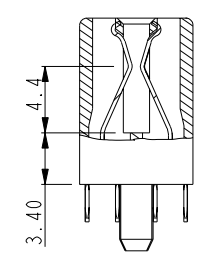
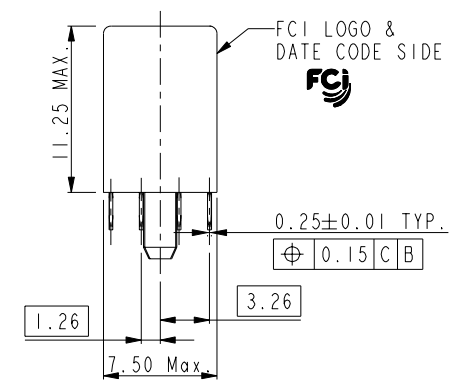
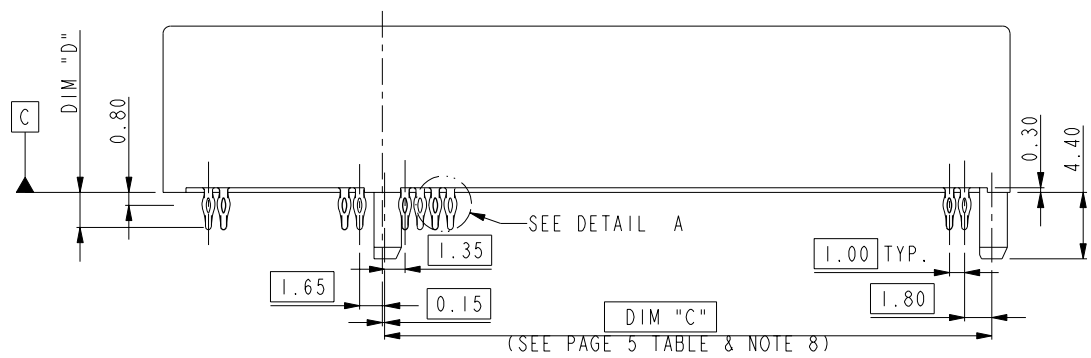
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C

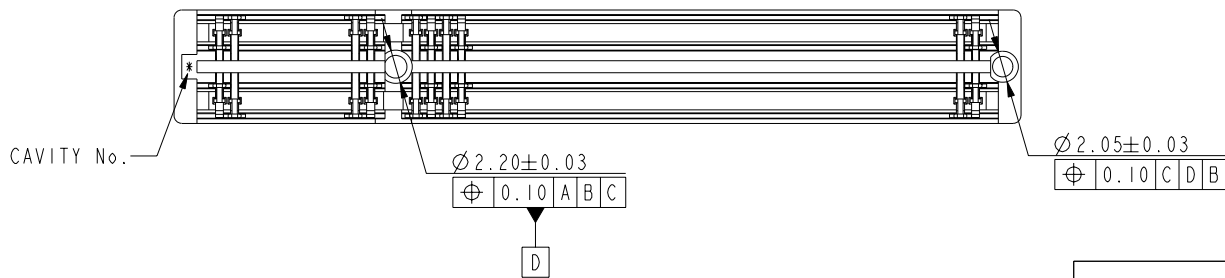
D



DETAIL A
SCALE 8.000



SECTION A-A
SCALE 2.000



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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com			surface 		tolerance std					
			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										



Copyright FCI.

A

B

C

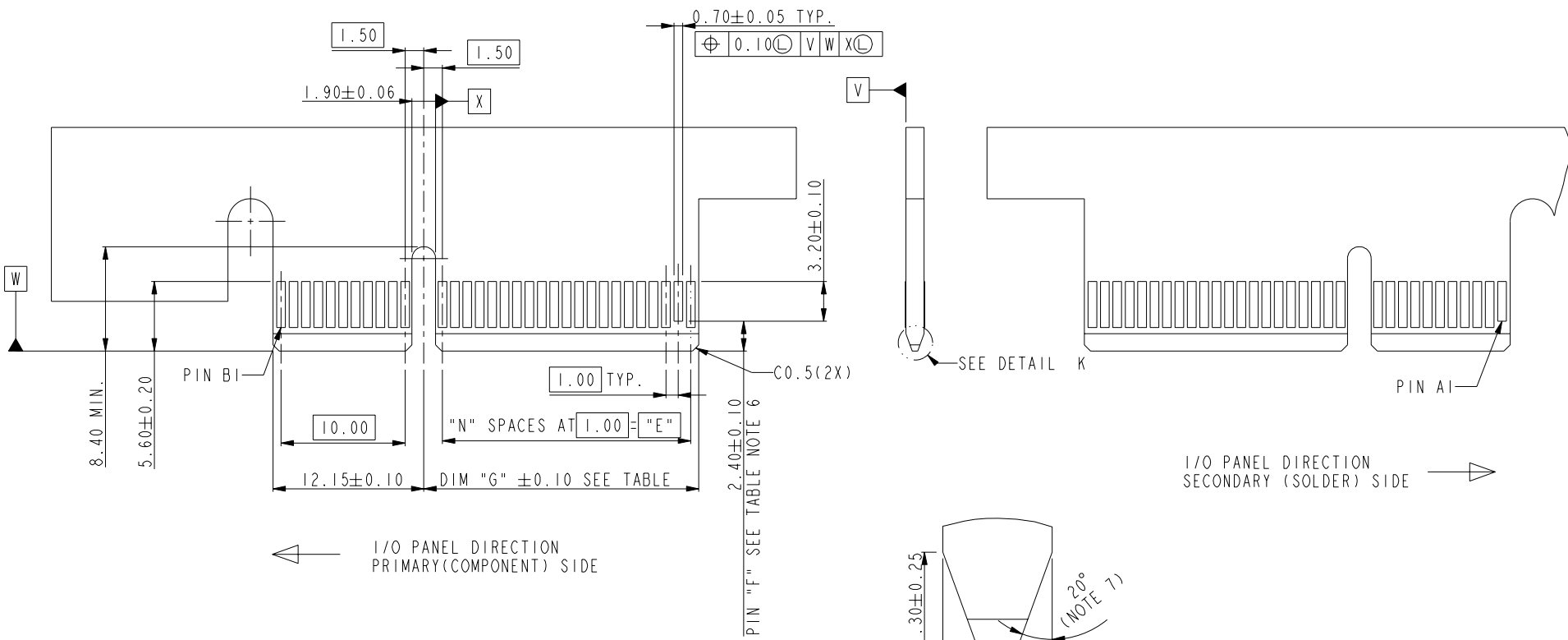
D

A

B

C

D



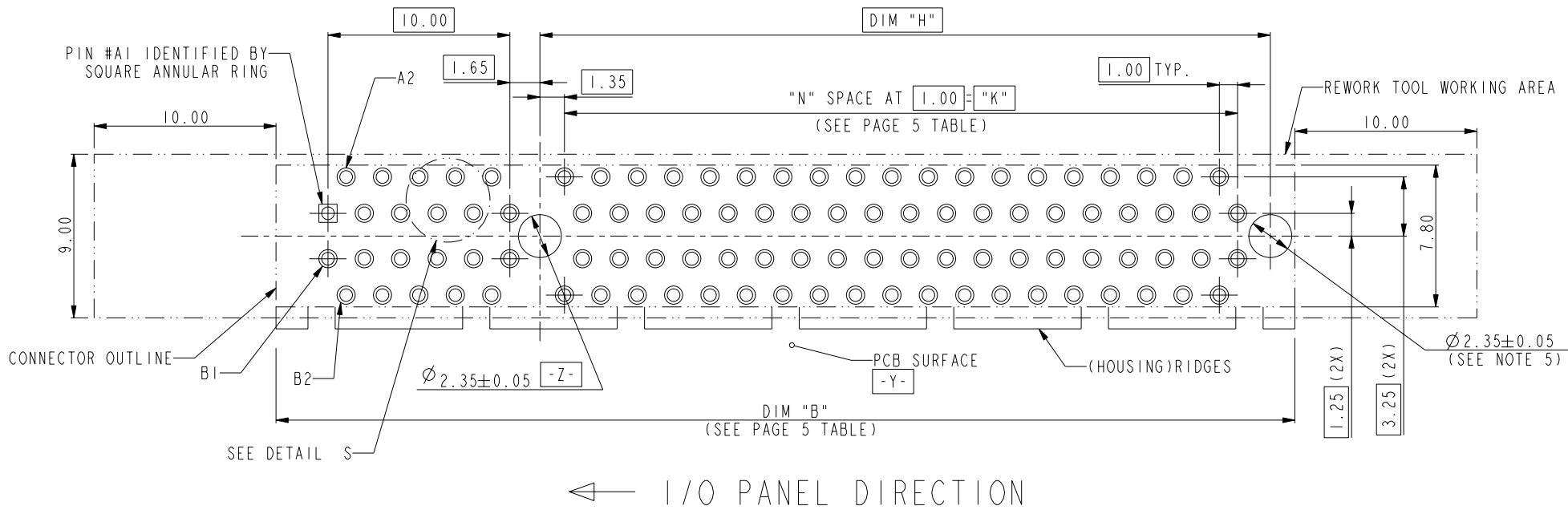
POS. REF.	N	DIM "G"	"F"
36	6	8.15	B17
64	20	22.15	B31
98	37	39.15	B48
164	70	72.15	B81

www.fciconnect.com			surface 		tolerance std		projection 		MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	Richard Chiu	06/16/2008	ANGULAR	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°.XXX	±0.10				
Appr	Joseph Hsia	06/16/2008	0°	±5°				ECN T09-1159		
Product family					Spec ref					
			title PCIE GENERATION II			dwg no 10082378			Rev. C	
			PRESS-FIT TYPE ASSEMBLY							
			catalog no			-			CUSTOMER	

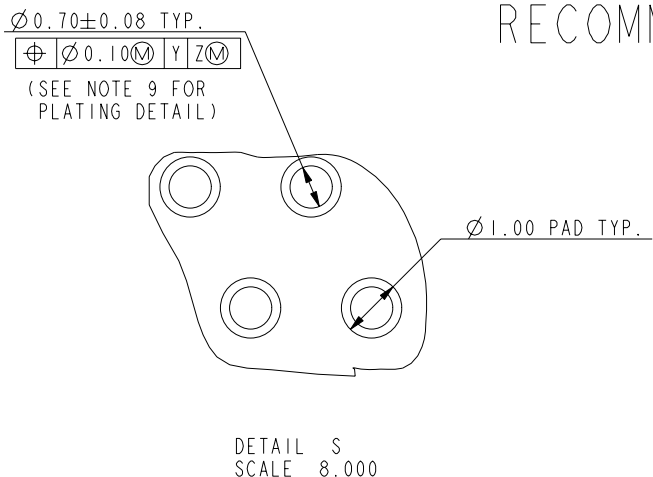
REV F - 2006-04-17



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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

www.fciconnect.com			surface ☒		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
Appr	Joseph Hsia	06/16/2008	Product family						ECN T09-1159		
									Spec ref		
			title			PCIE GENERATION II			dwg no		Rev. C
						PRESS-FIT TYPE ASSEMBLY			10082378		
			catalog no			-			CUSTOMER		sheet 3 of 6



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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
5. 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.
6. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND PIN NUMBERS "F".
7. CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
8. DIMENSION APPLIES AT CENTER OF PLASTIC PEGS, DIMENSION SHOWN IS TO CENTER LINE OF PEGS.
9. 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

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

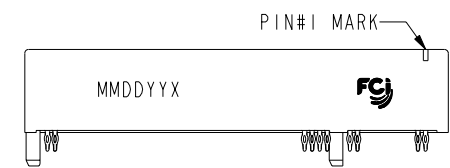
LEAD FREE OPTION
"LF": LEAD-FREE (FOR TERMINAL PLATING OPTION 0,1,2)
"□□": NOT LEAD-FREE (FOR TERMINAL PLATING OPTION 3,4,5)

PACKAGING OPTIONS
T-TRAY PACKAGING

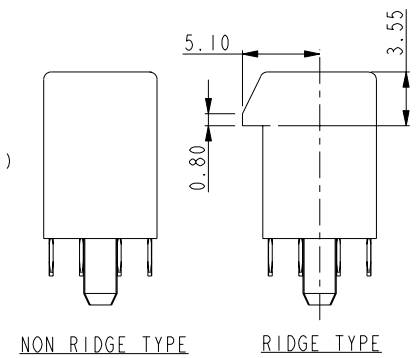
POS OPTIONS
0-36
1-64
2-98
3-164

TAIL LENGTH OPTIONS

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



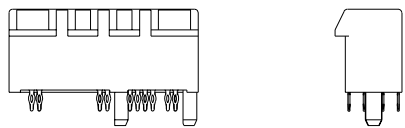
DATE CODE:
MMDDYY: MONTH/DAY/YEAR
X: "K" - GEN.2 MARK



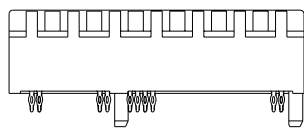
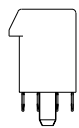
www.fciconnect.com			surface	✓	tolerance	std	projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	Richard Chiu	06/16/2008	ANGULAR	LINEAR	0.X	±0.25	size A4	Scale 1.000
Eng	Richard Chiu	06/16/2008			0.XX	±0.15		
Chr	Paul Wang	06/16/2008	0°	±5°	0.XXX	±0.10	ECN	T09-1159
Appr	Joseph Hsia	06/16/2008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



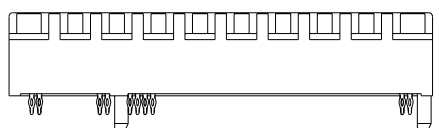
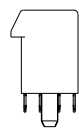
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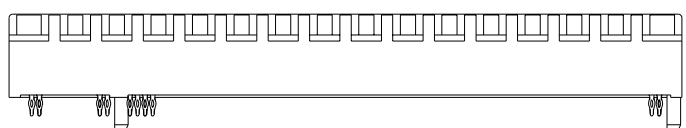
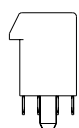
36 PIN RIDGE TYPE FRONT VIEW



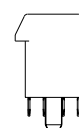
64 PIN RIDGE TYPE FRONT VIEW

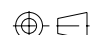


98 PIN RIDGE TYPE FRONT VIEW



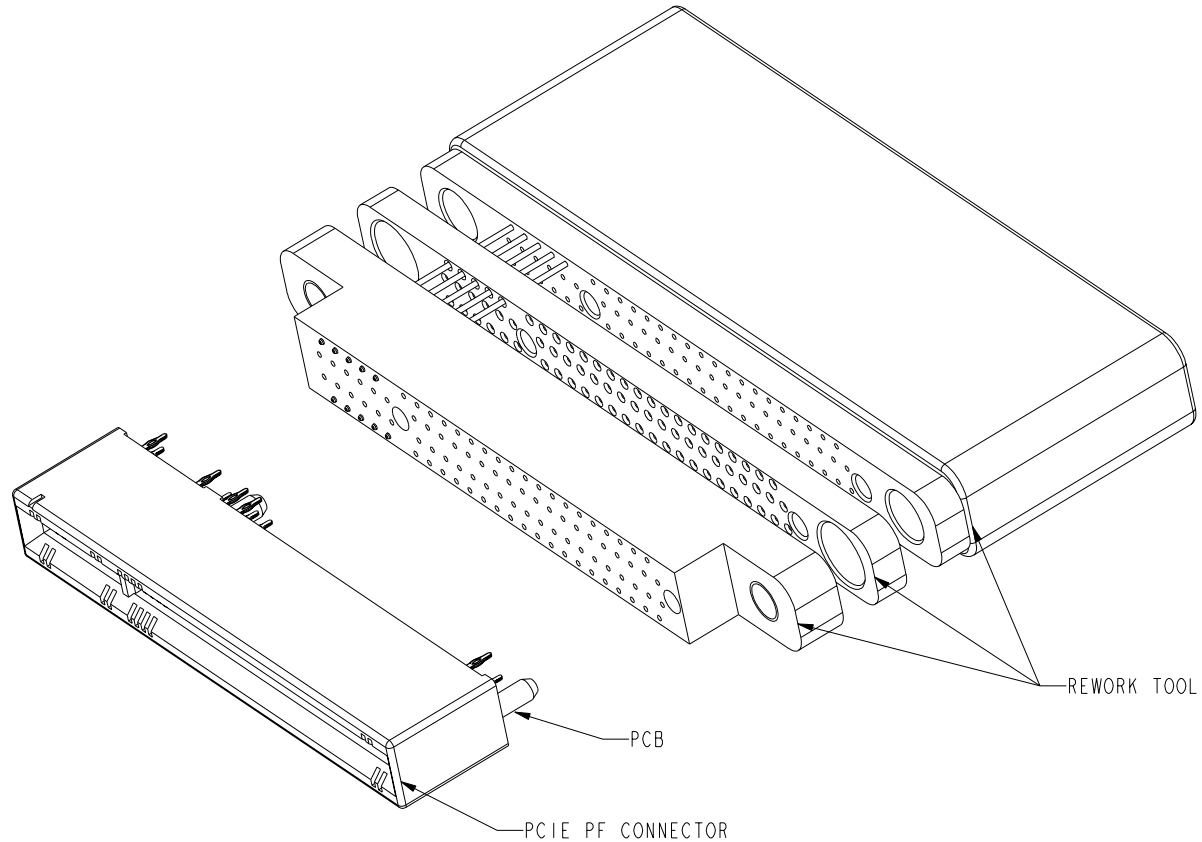
164 PIN RIDGE TYPE FRONT VIEW



www.fciconnect.com			surface ☒		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.XXX	±0.10					
Appr	Joseph Hsia	06/16/2008	0°	±5°	ECN T09-1159						
			Product family				-	Spec ref			
			title			dwg no			Rev.		
			PCI E GENERATION II			10082378			C		
			PRESS-FIT TYPE ASSEMBLY								
catalog no						-	CUSTOMER		sheet 5 of 6		



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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 ☒		tolerance std		projection		MM		
			TOLERANCES UNLESS OTHERWISE SPECIFIED						Scale		
Dr	Richard Chiu	06/16/2008	ANGULAR	LINEAR	0.X	±0.25	size	A4	1.000		
Eng	Richard Chiu	06/16/2008			0.XX	±0.15			ECN	T09-1159	
Chr	Paul Wang	06/16/2008			0.XXX	±0.10					
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	