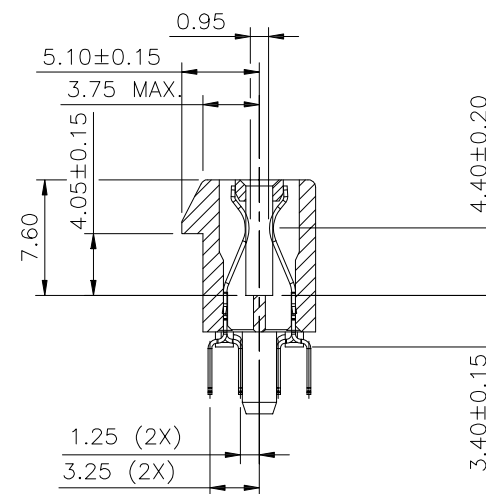




11.25 MAX

7.40 ± 0.10

3.55

0.80 ± 0.15

FCI LOGO SIDE

FCI

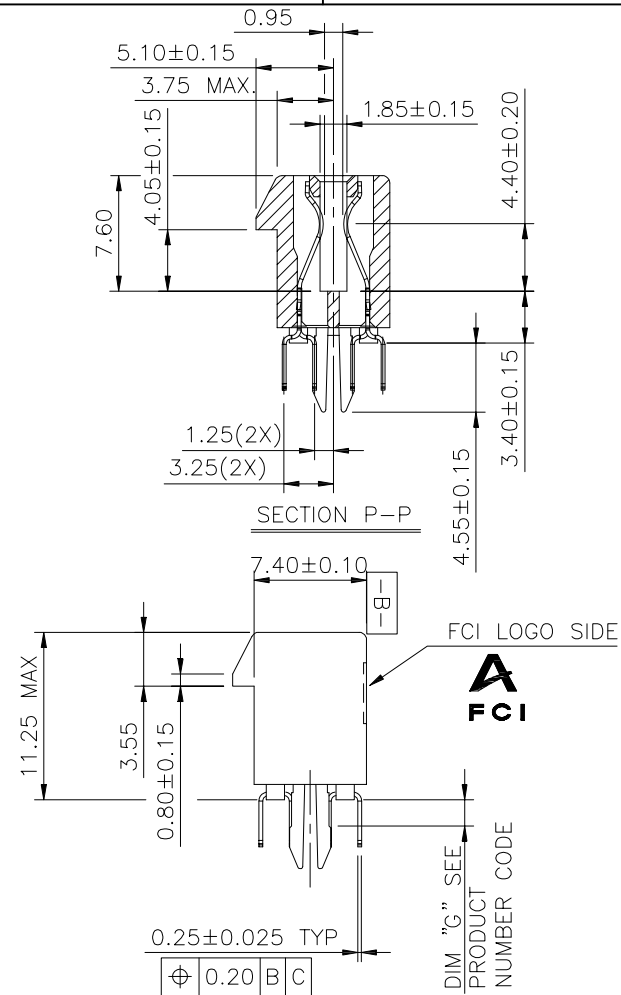
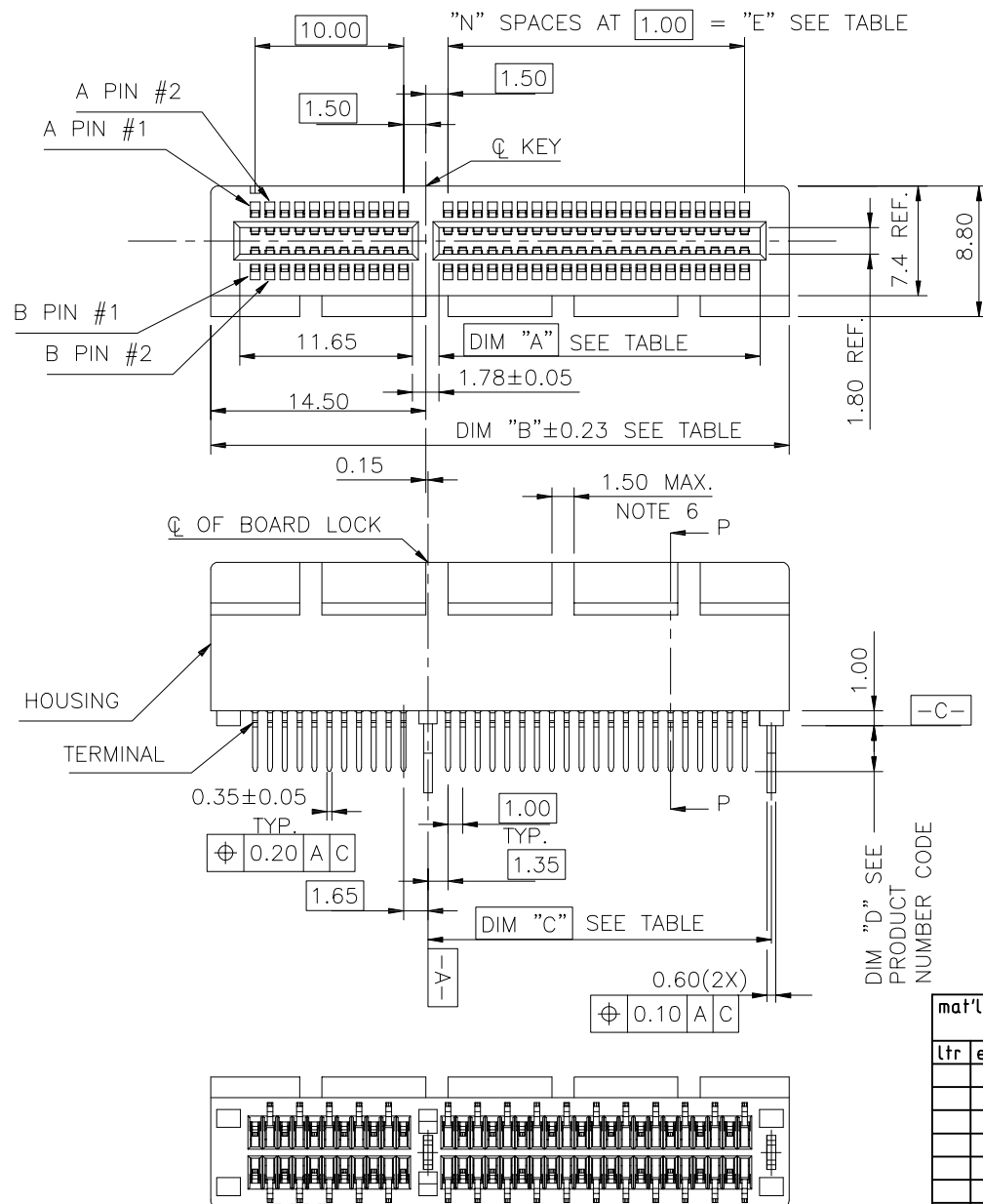
0.250 ± 0.025 TYP

Ø 0.20 B C

Technical drawing of a PCB layout showing dimensions and a coordinate system. The drawing includes a top view of a rectangular board with two rows of components. Dimensions are indicated by arrows and text:

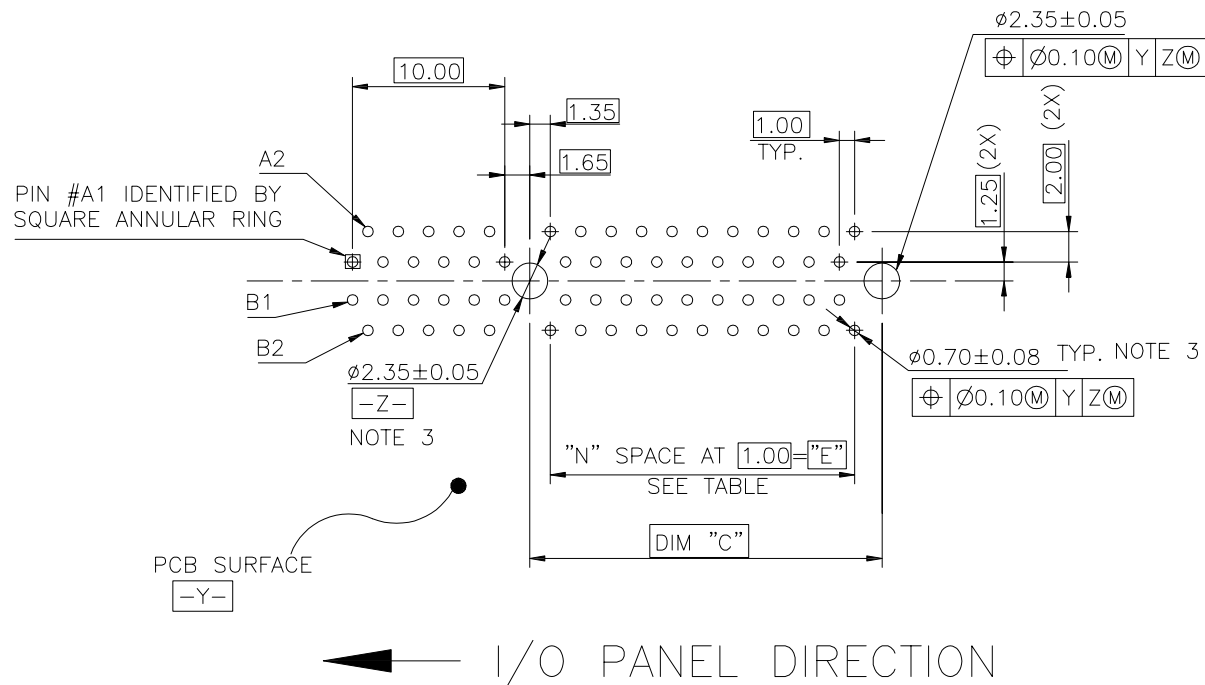
- Overall width: 100 ± 0.5
- Overall height: 100 ± 0.5
- Distance from left edge to first component column: 10 ± 0.5
- Distance between component columns: 2.20 ± 0.05
- Distance from last component column to right edge: 10 ± 0.5
- Distance from top edge to first component row: 10 ± 0.5
- Distance between component rows: 2.05 ± 0.05
- Distance from last component row to bottom edge: 10 ± 0.5

A coordinate system is shown in the bottom right corner with the origin at the top-left corner of the board. The axes are labeled X, Y, and Z. The X-axis is horizontal, the Y-axis is vertical, and the Z-axis is diagonal. The coordinate values are: X: 0.10, Y: A, Z: B, C.



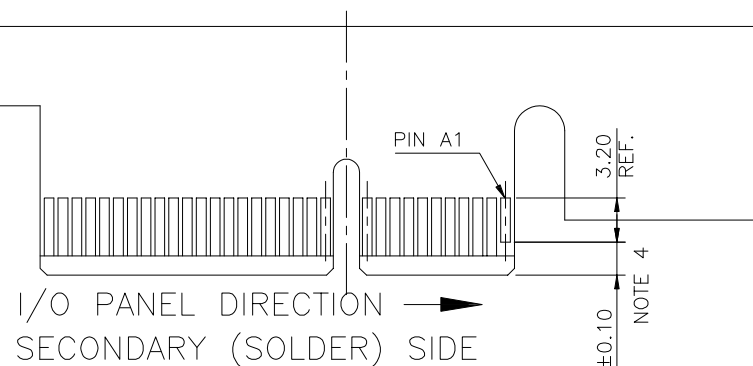
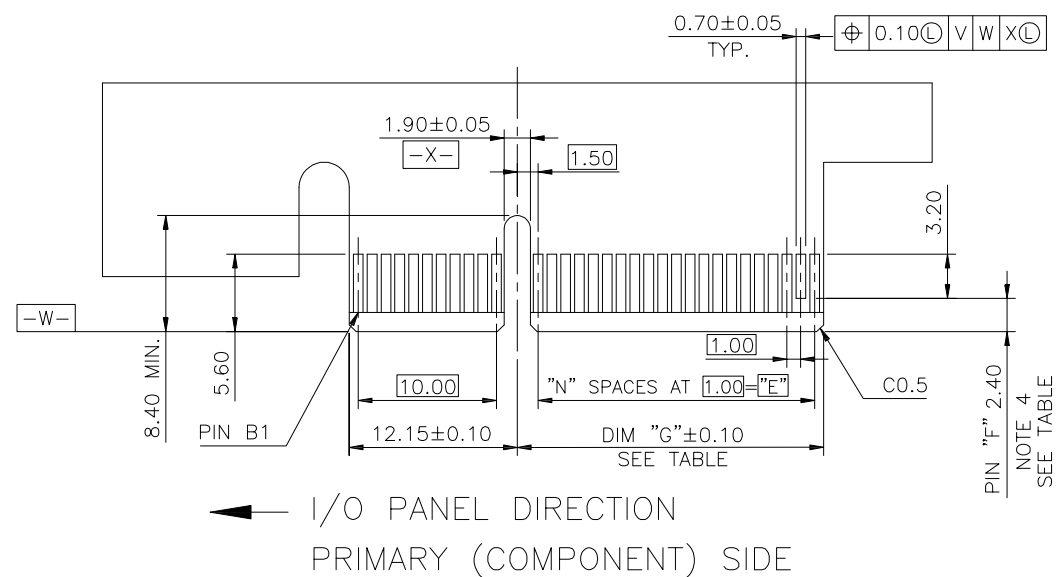
METAL BOARD LOCKS TYPE

mat'l. code				surface	tolerance	projection	product family		
-				-	ASME_Y14.5	⊕	PCI_EXPRESS		
ltr				ecn no	dr	date	title		
							PCI_EXPRESS_CARD_EDGE_GEN3		
							TH_ASS'Y		
							dwg no		
							10018784		
							type		
							CUSTOMER Drawing		
sheet				revision	T				
index				sheet					



RECOMMENDED FOOTPRINT

mat'l. code -					surface - ✓			tolerance ASME_Y14.5			projection 			product family PCI_EXPRESS																
ltr		ecn no		dr	date		tolerances unless otherwise specified										title													
							angles		linear	.0±0.30					PCI_EXPRESS_CARD_EDGE_GEN3 TH_ASS'Y															
										.00±0.20																				
							±2°			.000±0.10		scale N/A																		
							dr	WINSTON_ZHU			20~10~12			dwg no					sheet 3 of 6					size						
							engr	ZHENHUA_LIU			20~10~12								10018784					A4						
							chr																							
							appd	HEAVEN_CEN			20~10~12								type					CUSTOMER Drawing						
sheet index		revision sheet		T																										



#	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

ADD-IN CARD EDGE-FINGER DIMENSIONS

mat'l. code				surface	tolerance	projection	product family	
-				-	ASME_Y14.5	MM	PCI_EXPRESS	
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM	title	
				angles	.0±0.30	scale N/A	PCI_EXPRESS_CARD_EDGE_GEN3	
				linear	.00±0.20		TH_ASS'Y	
				±2°	.000±0.10		dwg no	
				dr	WINSTON_ZHU 20-10-12	Amphenol FCI	sheet 4 of 6	
				engr	ZHENHUA_LIU 20-10-12		10018784	
				chr	HEAVEN_CEN 20-10-12		size	
				appd			type	
sheet index	revision sheet	T					CUSTOMER Drawing	

NOTES:

1.MATERIAL:

HOUSING: NYLON, GLASS FILLED UL94V-0 RATE, SUITABLE FOR WAVE SOLDERING.

TERMINAL: COPPER ALLOY

PLATING: 50u" NICKEL UNDERPLATE ALL OVER
CONTACT AREA PLATING - SEE PRODUCT NUMBER CODE
SOLDER TAIL: TIN/LEAD (90/10) - SEE PRODUCT

NUMBER CODE 100u" MIN. OVER 50u" NICKEL
METAL BOARD LOCKS: COPPER ALLOY
FINISH: 100u" TIN/LEAD (90/10) OVER 50u" NICKEL
UNDERPLATE SEE PRODUCT NUMBER CODE

2.PRODUCT SPECIFICATION: GS-12-233

③THE 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.

④NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1 AND PIN NUMBERS "F".

⑤CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.

⑥FREQUENCY & LOCATION AT SUPPLIER DISCRETION. RIDGE MAY BE CONTINUOUS WITH NO BREAKS.

7.RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

- "LF" MEANS THE PRODUCT IS LEAD-FREE, 2um MINIMUM MATTE TIN OVER 1.27um MINIMUM NICKEL UNDERPLATE.

b - MANUFACTURING PROCESS COMPATIBILITY

- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 240°C±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.(For 10018784-X 0 X X X X(X X) options)

CONNECTOR	# POS REF.	N	DIM "A"	DIM "B"	DIM "C"	"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

PRODUCT NUMBER CODE
10018784-X X X X X X □ □

HOUSING COLOR OPTIONS

0-WHITE
1-BLACK

LEAD FREE OPTION

LEAVE BLANK FOR TERMINAL PLATING 3,4,5
"LF" FOR TERMINAL PLATING OPTION 0,1,2

PEGS OPTIONS

0-PLASTIC PEGS
1-METAL BOARD LOCKS

POS OPTIONS

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

PACKAGING OPTIONS

T-TRAY PACKAGING
M-TRAY PACKAGING & MYLAR TAPE FOR PICK-N-PLACE. SEE FIGURE 1
R-TAPE & REEL PACKAGING (FOR 36, 64, 98P)
A-TAPE & REEL PACKAGING WITH MYLAR (FOR 36, 64, 98P)

TERMINAL PLATING OPTIONS

0-50u" Ni UNDERPLATE
30u" Au CONTACT AREA
100u" TIN TAIL AREA ----- COMPATIBLE RoHS

1-50u" Ni UNDERPLATE
15u" Au CONTACT AREA
100u" TIN TAIL AREA ----- COMPATIBLE RoHS

2-50u" Ni UNDERPLATE
GOLD FLASH CONTACT AREA
100u" TIN TAIL AREA ----- COMPATIBLE RoHS

3-50u" Ni UNDERPLATE
30u" Au CONTACT AREA
100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS

4-50u" Ni UNDERPLATE
15u" Au CONTACT AREA
100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS

5-50u" Ni UNDERPLATE
GOLD FLASH CONTACT AREA
100u" TIN/LEAD TAIL AREA ----- INCOMPLIANT RoHS

	DIM "D"	PCB THICKNESS	BOARD LOCKS DIM"G"
0	2.30 ± 0.25 0.13	1.56±0.10	1.70±0.15
1	3.10 ± 0.25 0.13	2.36±0.10	2.50±0.15

TAIL LENGTH OPTIONS

mat'l. code -				surface - ✓	tolerance ASME_Y14.5	projection ⊕	product family PCI_EXPRESS
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM	title
				angles	linear .0±0.30 - .00±0.20 - .000±0.10	scale N/A	PCI_EXPRESS_CARD_EDGE_GEN3 TH_ASS'Y
				dr	WINSTON_ZHU 20-10-12	Amphenol FCI	dwg no
				engr	ZHENHUA_LIU 20-10-12		sheet 5 of 6
				chr	HEAVEN_CEN 20-10-12		size
sheet index	revision sheet	T		appd			10018784
							A4
							type
							CUSTOMER Drawing

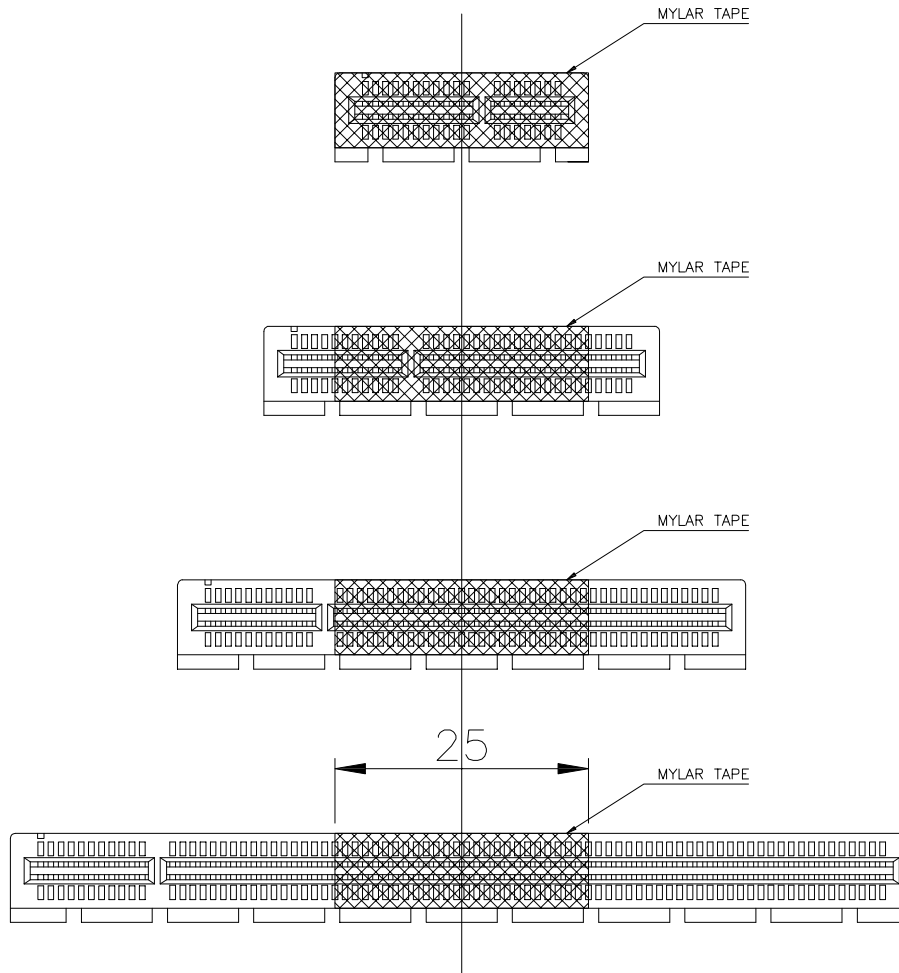


FIGURE 1

mat'l. code				surface	tolerance	projection	product family		
-				-	ASME_Y14.5	⊕	PCI_EXPRESS		
ltr ecn no dr date				tolerances unless otherwise specified		MM	title		
				angles	.0±0.30	MM	PCI_EXPRESS_CARD_EDGE_GEN3		
				±2°	.00±0.20	scale N/A	TH_ASS'Y		
				dr	WINSTON_ZHU 20-10-12	Amphenol FCI	dwg no		sheet 6 of 6 size
				engr	ZHENHUA_LIU 20-10-12		10018784		A4
				chr					
				appd	HEAVEN_CEN 20-10-12		type		CUSTOMER Drawing
sheet index	revision sheet	T							