

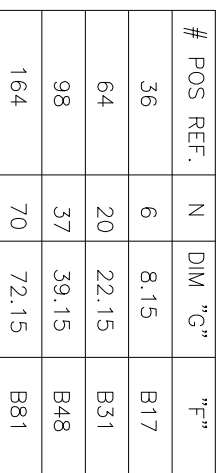






mat'l. code		surface		✓	tolerance			product family	
-		-			ASME_Y14.5			PCL_EXPRESS	
lfr	ecn no	dr	date	tolerances unless otherwise specified				title	
				angles		0.0±0.30		PCL_EXPRESS_CARD_EDGE_GEN3	
				angles		.00±0.20		TH_ASSY	
				±2		.000±0.10		scale N/A	
		dr	WINSTON_ZHU		20-10-12		dwg no		
		eng	ZHNEHUA_LIU		20-10-12		sheet 2 of 6		
		chr					10018784		
		apdd	HEAVEN_CEN		20-10-12		size		
sheet		revision		T			A4		
	index	sheet					type		
							CUSTOMER Drawing		



ADD-IN CARD EDGE-FINGER DIMENSIONS



mat'l. code		surface		tolerance		projection		product family	
-		-		ASME Y14.5				PCI_EXPRESS	
litr ecn no		dr		date		title			
						PCI_EXPRESS_CARD_EDGE_GEN3			
				angles				TH_ASS'y	
				±2°		scale N/A		dwg no	
				.000±0.10				sheet 4 of 6	
				dr		WINSTON_ZHU		size	
				engr		ZHENHUA_LIU		A4	
				chr					
				appd		HEAVEN_CEN		type	
				20-10-12				CUSTOMER Drawing	
sheet		revision		T					
index		sheet							



NOTES:

1.MATERIAL: NYLON, GLASS FILLED U94V-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

2.PRODUCT SPECIFICATION: GS-12-233

3.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.

4.NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR

PINS A1 AND PIN NUMBERS "F".

5.SHAFTER EDGES MUST BE FREE OF CUTTING BURRS.

6.FREQUENCY & LOCATION AT SUPPLIER DISCRETION. RIDGE MAY BE

7.ROHS COMPLIABLE 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)

PRODUCT NUMBER CODE

10018784-X X 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

TAIL LENGTH OPTIONS

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

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 ----- INCOMPLANT ROHS

4-50u" Ni UNDERPLATE

15u" Au CONTACT AREA

100u" TIN/LEAD TAIL AREA ----- INCOMPLANT ROHS

5-50u" Ni UNDERPLATE

GOLD FLASH CONTACT AREA

100u" TIN/LEAD TAIL AREA ----- INCOMPLANT ROHS

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

A

A

B

B

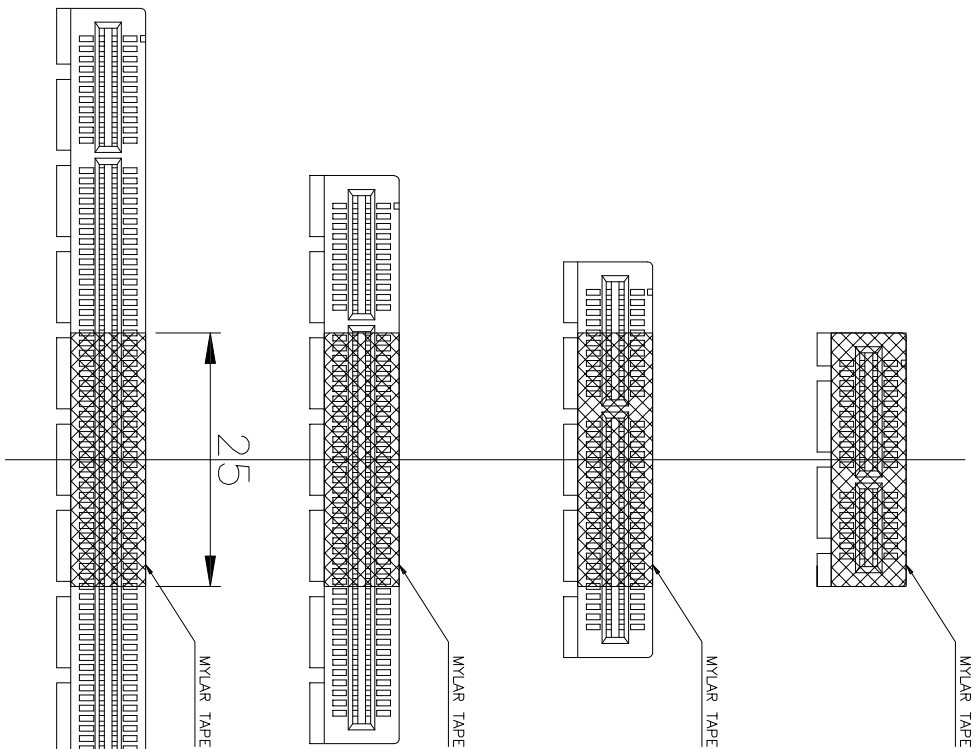


FIGURE 1

mat'l. code				surface		tolerance		projection		product family	
ltr	ecn no	dr	date	ASME Y14.5		tolerances unless otherwise specified		MM		PCL_EXPRESS_CARD_EDGE_GEN3	
				angles	±.030					TH_ASS'y	
				±2°	.000±0.10					sheet 6 of 6	
				dr	WINSTON_ZHU	20-10-12				size	
				engr	ZHENHUA_LIU	20-10-12				A4	
				chr							
				dppd	HEAVEN_CEN	20-10-12					
sheet	revision	T									
index	sheet										