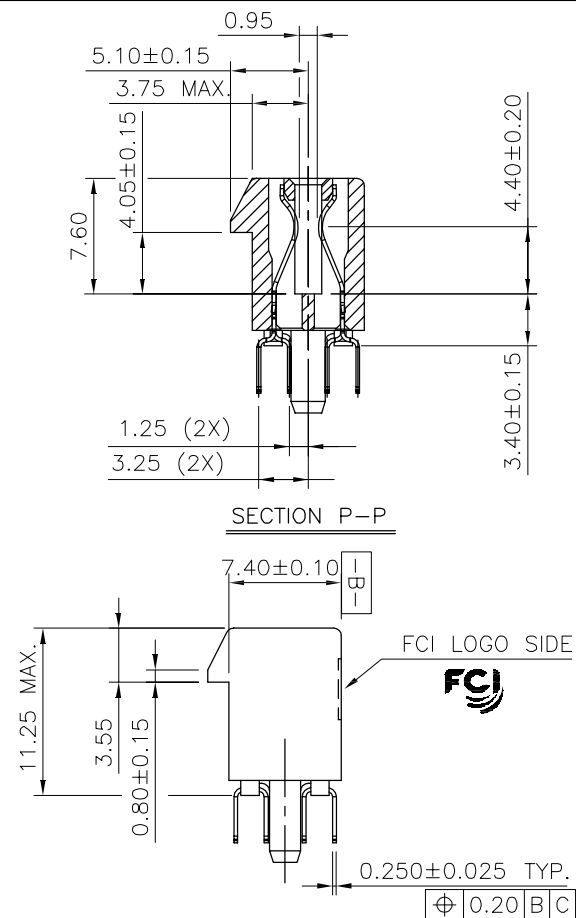
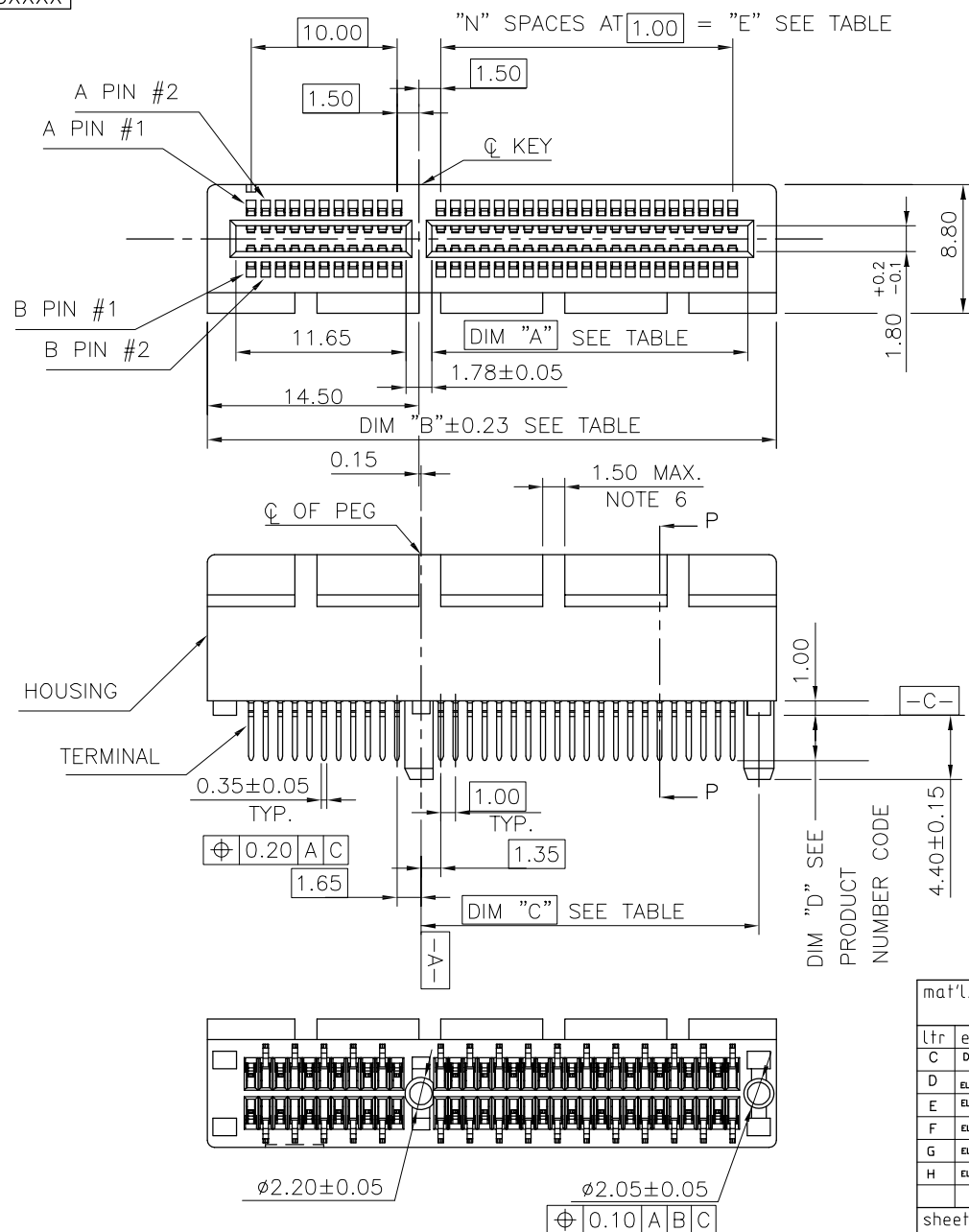
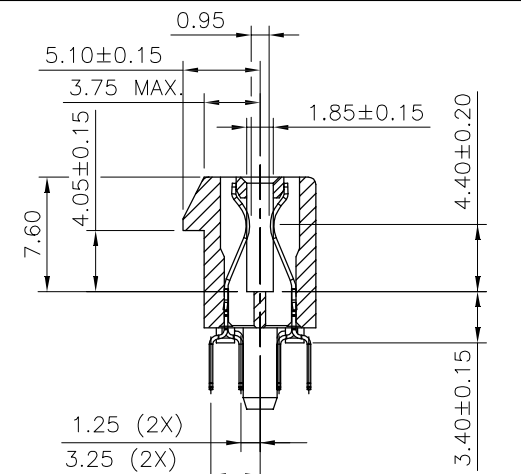
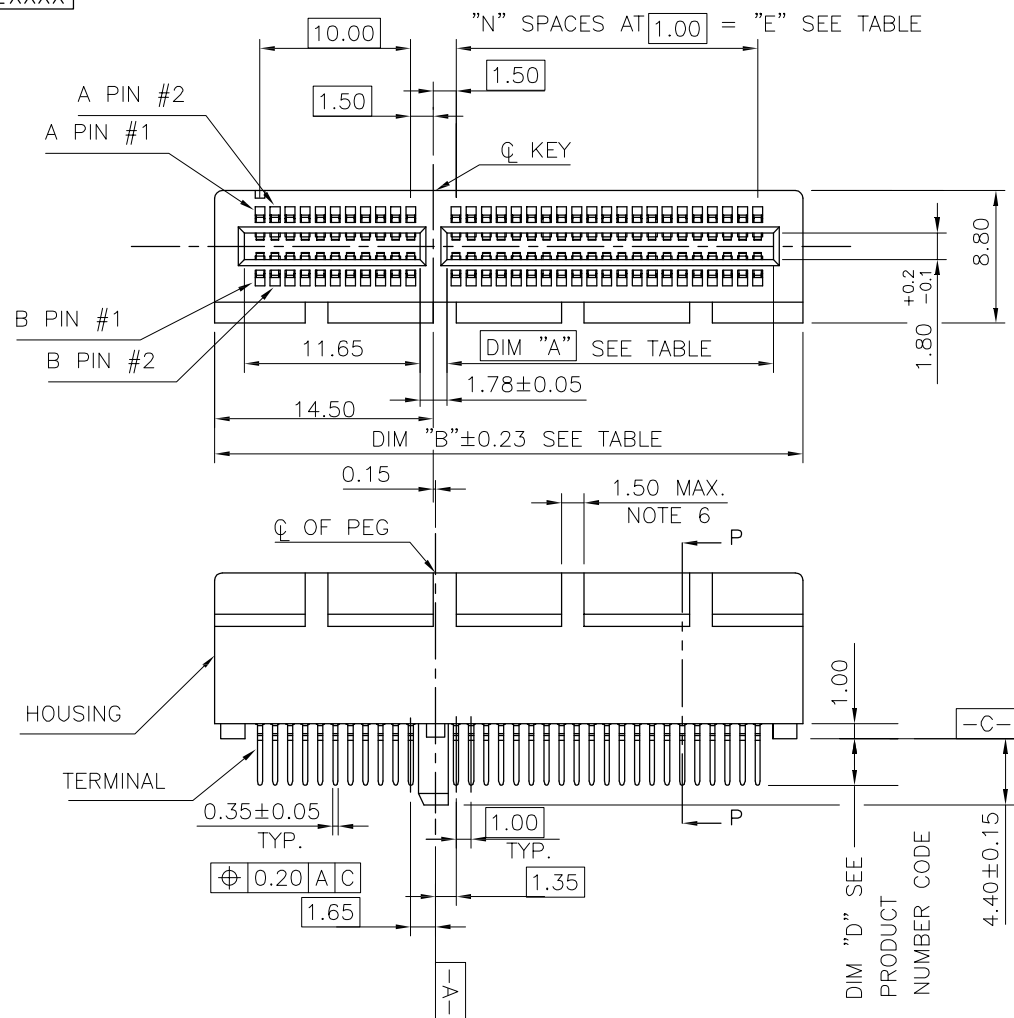


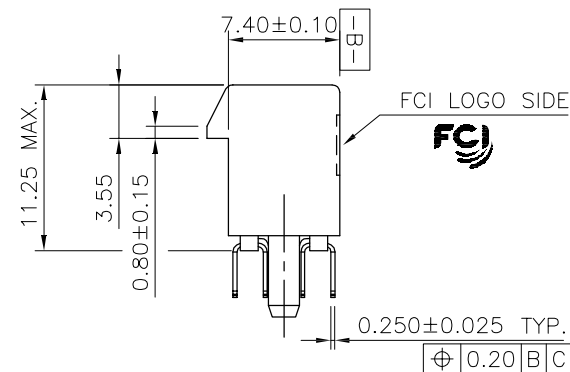
PRODUCT NO.
10108777-X0XXXX

TWIN PLASTIC PEG TYPE

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	
C	DG-011582	HT	5/10/12	angles	.0±0.30	MM	PCI_EXPRESS_CARD_EDGE_GEN3	
D	ELX-DG-013209	WL	07/24/12	linear	.00±0.20	MM	TH_ASS'Y	
E	ELX-DG-2181-1	ST	05/27/15	±2'	.000±0.10	scale N/A	dwg no	
F	ELX-DG-24164	ZH	05/30/16	dr	ZHENHUA_LIU	2016-03-30	sheet 1 of 7	
G	ELX-DG-25671	ZH	12/18/16	engr	ZHENHUA_LIU	2016-03-30	size	
H	ELX-DG-27937	ZH	09/12/17	chr	STONE_LI	2016-03-30	10108777	
		appd	PM_ZHENG	2016-03-30			type	
sheet index				revision	H		CUSTOMER Drawing	
				sheet				

PRODUCT NO.
10108777-X2XXXX

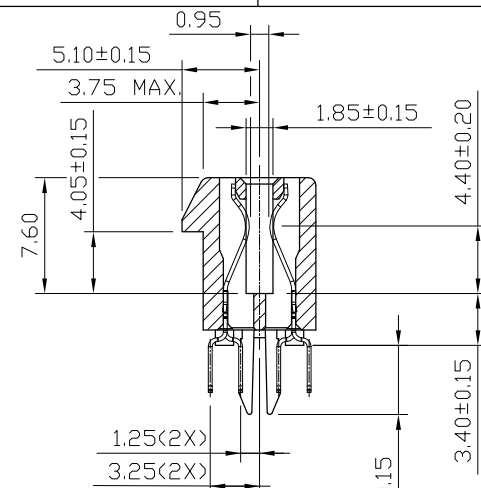
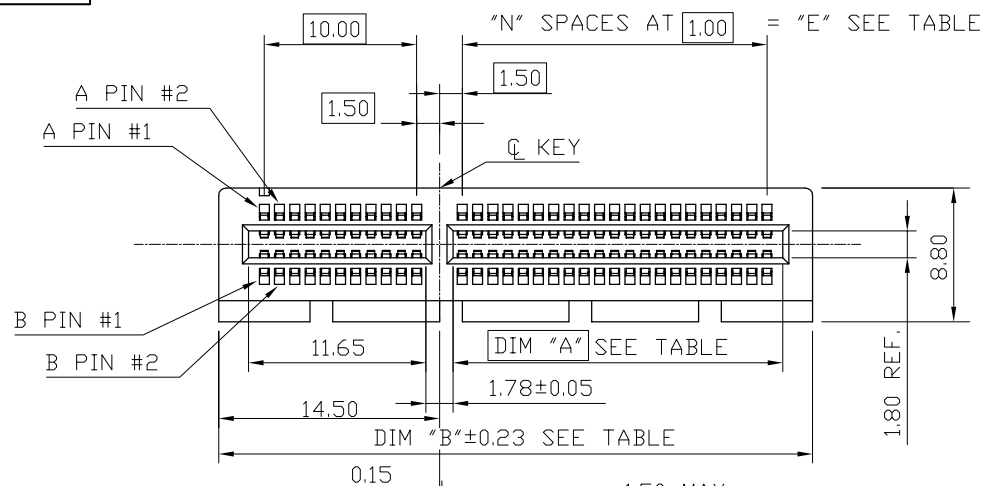
SECTION P-P



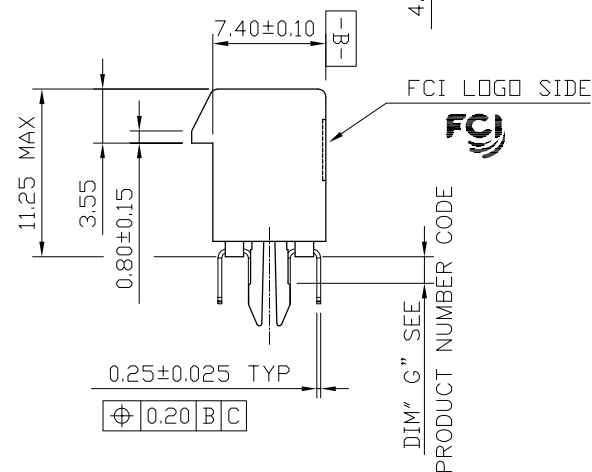
SINGLE PLASTIC PEG TYPE

mat'l. code				surface	tolerance	projection	product family	
-				ASME_Y14.5	ASME_Y14.5	MM	PCI_EXPRESS	
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM	title	
				angles	.0±0.30	MM	PCI_EXPRESS_CARD_EDGE_GEN3	
				line	.00±0.20	MM	TH_ASS'Y	
				±2'	.000±0.10	MM	sheet 2 of 7	
				dr	ZHENHUA_LIU	2016-03-30	dwg no	
				enr	ZHENHUA_LIU	2016-03-30	10108777	
				chr	STONE_LI	2016-03-30	size	
				app	PM_ZHENG	2016-03-30	A4	
sheet	revision	H					type	
index	sheet						CUSTOMER Drawing	

PRODUCT NO.
10108777-X1XXXX

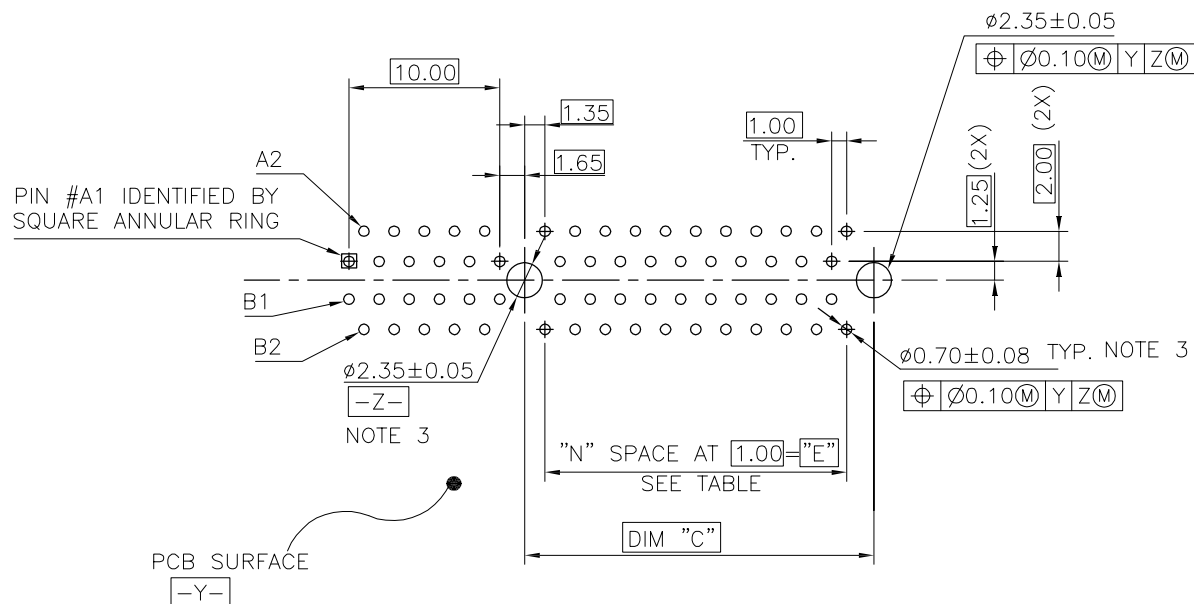


SECTION P-P



METAL BOARD LOCKS

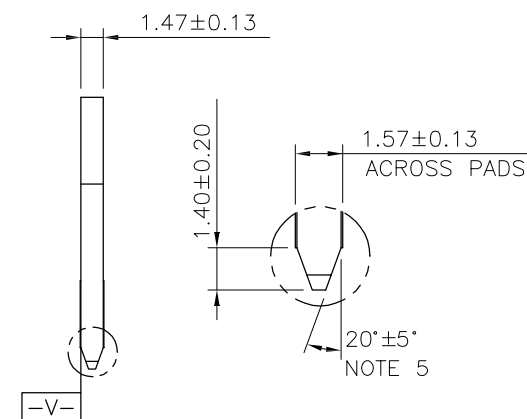
mat'l. code	surface	tolerance	projection	product family
-	ASME_Y14.5	ASME_Y14.5	MM	PCI_EXPRESS
lfr	ecn no	dr	date	title
				PCI_EXPRESS_CARD_EDGE_GEN3
				TH_ASS'Y
				dwg no
				10108777
				type
				CUSTOMER Drawing
sheet	revision	H		
index	sheet			



I/O PANEL DIRECTION

RECOMMENDED FOOTPRINT

mat'l. code				surface		tolerance		projection		product family											
-				-		ASME_Y14.5				PCI_EXPRESS											
lfr	ecn	no	dr	date		tolerances unless otherwise specified				title											
						angles		linear		PCI_EXPRESS_CARD_EDGE_GEN3											
										TH_ASS'Y											
						±2'				scale N/A											
						dr		ZHENHUA_LIU		2016-03-30		dwg no				sheet 4 of 7				size	
						enfr		ZHENHUA_LIU		2016-03-30		10108777				A4					
						chr		STONE_LI		2016-03-30											
						appd		PM_ZHENG		2016-03-30											
sheet index		revision sheet		H																	



 I/O PANEL DIRECTION
 PRIMARY (COMPONENT) 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

ADD-IN CARD EDGE-FINGER DIMENSIONS

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		MM		PCI_EXPRESS_CARD_EDGE_GEN3									
							.0±0.20				TH_ASS'Y									
							.00±0.13													
					±2°		.000±0.05		scale N/A											
					dr		ZHENHUA_LIU		2016-03-30		dwg no									
					engr		ZHENHUA_LIU		2016-03-30		sheet 5 of 7									
					chr		STONE_LI		2016-03-30		10108777									
					appd		PM_ZHENG		2016-03-30		A4									
											type									
											CUSTOMER Drawing									
sheet index					revision sheet					H										

NOTES:

1.MATERIAL:

HOUSING: HIGH TEMPERATURE NYLON, GLASS FILLED UL94V-0 RATED.
TERMINAL: COPPER ALLOY.

PLATING: 50u" NICKEL UNDERPLATE ALL OVER
CONTACT AREA PLATING - SEE PRODUCT NUMBER CODE
SOLDER TAIL: TIN OR TIN /LEAD(90/10)- SEE PRODUCT
NUMBER CODE 100u" MIN. OVER 50u" NICKEL.

METAL BOARD LOCKS: COPPER ALLOY.
FINISH: 100u" TIN OR 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 TEMPERATURE FOR
10 SECONDS IN RE-FLOW APPLICATION, SEE NOTE 8 FOR APPLICATION.

PRODUCT NUMBER CODE

10108777 -X X X X X X X X

HOUSING COLOR OPTIONS

0-NATURAL
1-BLACK

PEGS OPTIONS

0-PLASTIC PEGS, DIM
1-METAL BOARD LOCKS
2-SINGLE PLASTIC PEGS

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

LEAD FREE OPTION

LEAVE BLANK FOR TERMINAL PLATING 3.4.5
"LF" FOR TERMINAL PLATING OPTION 0,1,2

POS OPTIONS

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

TAIL LENGTH OPTIONS

	DIM "D"	PCB THICKNESS	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
2	2.54±0.25	1.56±0.10	1.70±0.15
3	1.90±0.25	1.56±0.10	1.70±0.15
4	3.10 ± 0.25 -0.13	2.0±0.10	1.70±0.15

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

8.AN ADEQUATE PROCEDURE SET FORTH IN THE FOLLOWING ENSURE THAT THE PRODUCT
RELIABILITY CAN BE ACHIEVED DURING AND AFTER PCB ASSEMBLY OPERATION.

8.1IF PARTIAL LOT ARE USED, THE REMAINING CONNECTORS MUST BE RESEALED AND
PLACED IN SAFE STORAGE WITHIN SIX HOURS OF BAG OPENING.

8.2THE SAFE STORAGE CONDITION IS RECOMMENDED AT 25°C, 40%RH.

8.3NOT FOLLOWING THE PROCEDURE MAY CAUSE BLISTER DAMAGE DURING RE-FLOW PROCESS.

8.4IF BAKING IS REQUIRED, CONNECTOR SHALL BE BAKED FOR 4 HOURS AT 125°C.

8.5REFERENCE SPECIFICATION: IPC/JEDEC J-STD-033A.

PACKAGING OPTIONS

E-HARD TRAY WITH MYLAR FOR VACUUM PACKAGING (FOR 164P ONLY)

T-SOFT TRAY PACKAGING

C-SOFT TRAY PACKAGING WITH 10MM CAP

M-SOFT TRAY PACKAGING & MYLAR TAPE. SEE FIGURE 1

Y-HARD TRAY PACKAGING (FOR 36P,98P AND 164P ONLY)

Z-HARD TRAY PACKAGING WITH MYLAR (FOR 36P,98P AND 164P ONLY)

H-SMALLER HARD TRAY PACKAGING WITH 30MM CAP (323X136X17.7 FOR 164P ONLY)

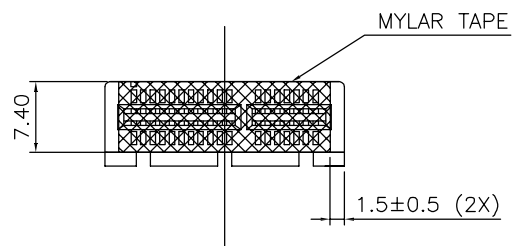
Q-SMALLER HARD TRAY PACKAGING (323X136X17.7 FOR 164P ONLY)

R-TAPE & REEL PACKAGING WITHOUT MYLAR
(FOR 34, 64, 98P ONLY)

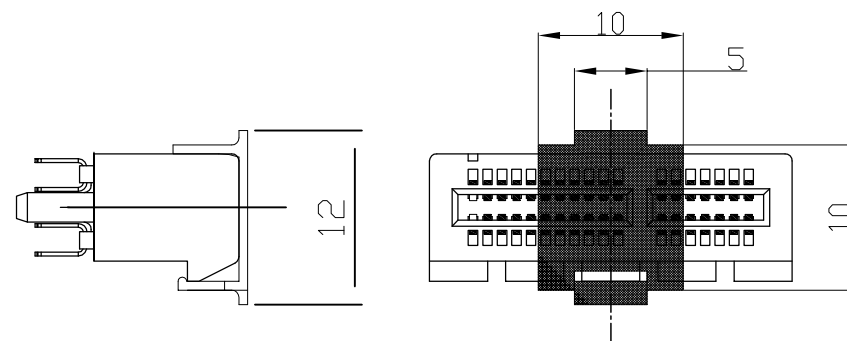
W-TAPE & REEL PACKAGING WITHOUT MYLAR
(FOR 98P ONLY), WITH 18.0MM CAVITY WIDTH

A-TAPE & REEL PACKAGING WITH MYLAR
(FOR 36, 64, 98P ONLY)

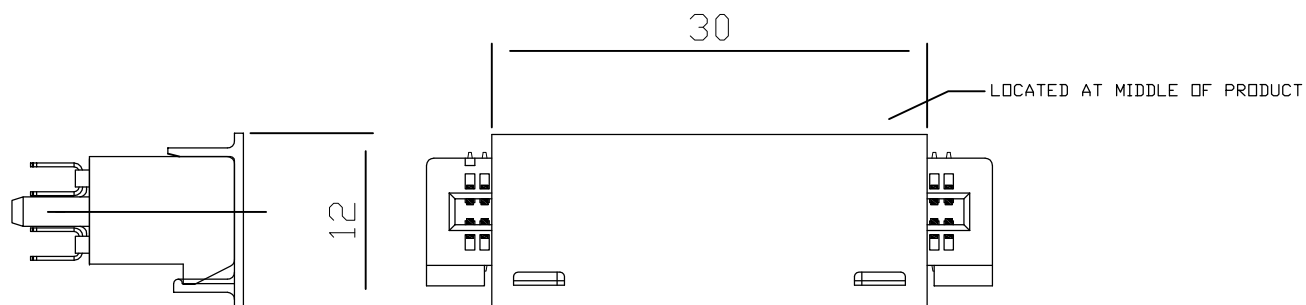
mat'l. code				surface	tolerance	projection	product family	
-				-	ASME_Y14.5		PCI_EXPRESS	
lfr	ecn no	dr	date	tolerances unless otherwise specified			title	
				angles	.0±0.30		PCI_EXPRESS_CARD_EDGE_GEN3	
				lineal	.00±0.20		TH_ASS'Y	
				±2'	.000±0.10	scale N/A		
		dr	ZHENHUA_LIU	2016-03-30			dwg no	sheet 6 of 7 size
		enfr	ZHENHUA_LIU	2016-03-30			10108777	A4
		chr	STONE_LI	2016-03-30				
		appd	PM_ZHENG	2016-03-30				
sheet	revision	H					type	
index	sheet						CUSTOMER Drawing	



POSTION OF MYLAR



POSTION OF CAP (10×10)



POSTION OF 30MM CAP(30X12)

mat'l. code				surface	tolerance	projection	product family		
-				-	ASME_Y14.5		PCI_EXPRESS		
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
				angles	.0±0.30		PCI_EXPRESS_CARD_EDGE_GEN3		
				linear	.00±0.20		TH_ASS'Y		
				±2'	.000±0.10	scale N/A			
				dr	ZHENHUA_LIU	2016-03-30	dwg no		sheet 7 of 7
				enfr	ZHENHUA_LIU	2016-03-30	10108777		size
				chr	STONE_LI	2016-03-30			A4
				appd	PM_ZHENG	2016-03-30	type		CUSTOMER Drawing
sheet index	revision sheet	H							