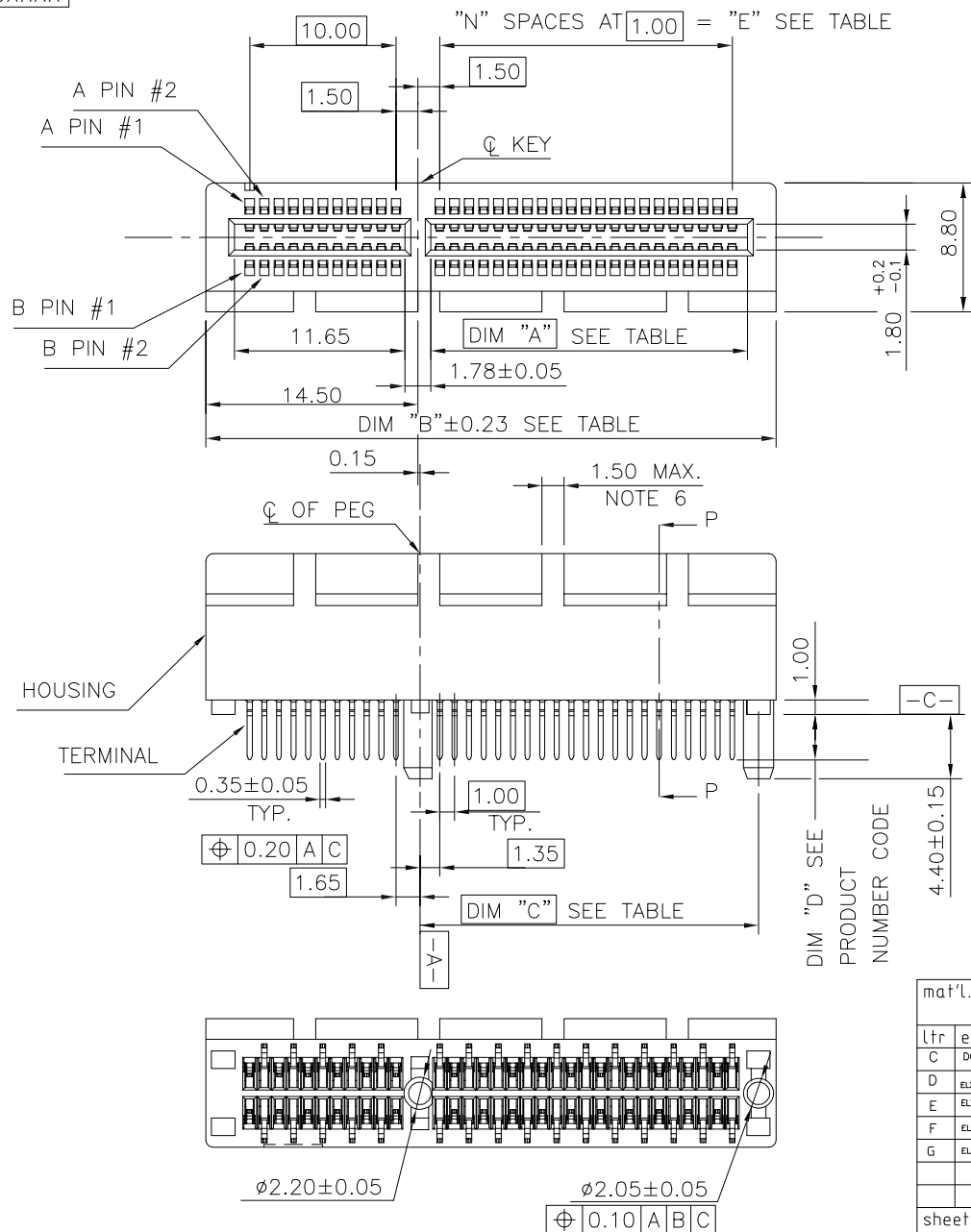
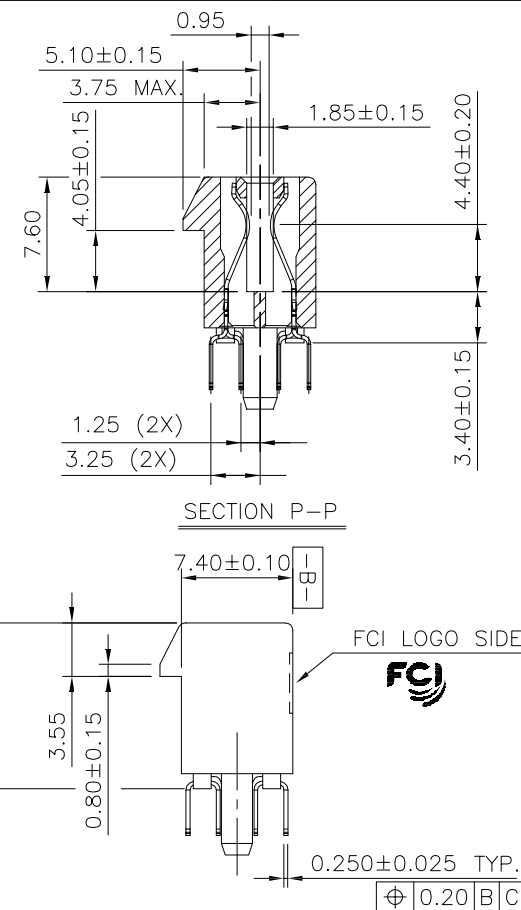
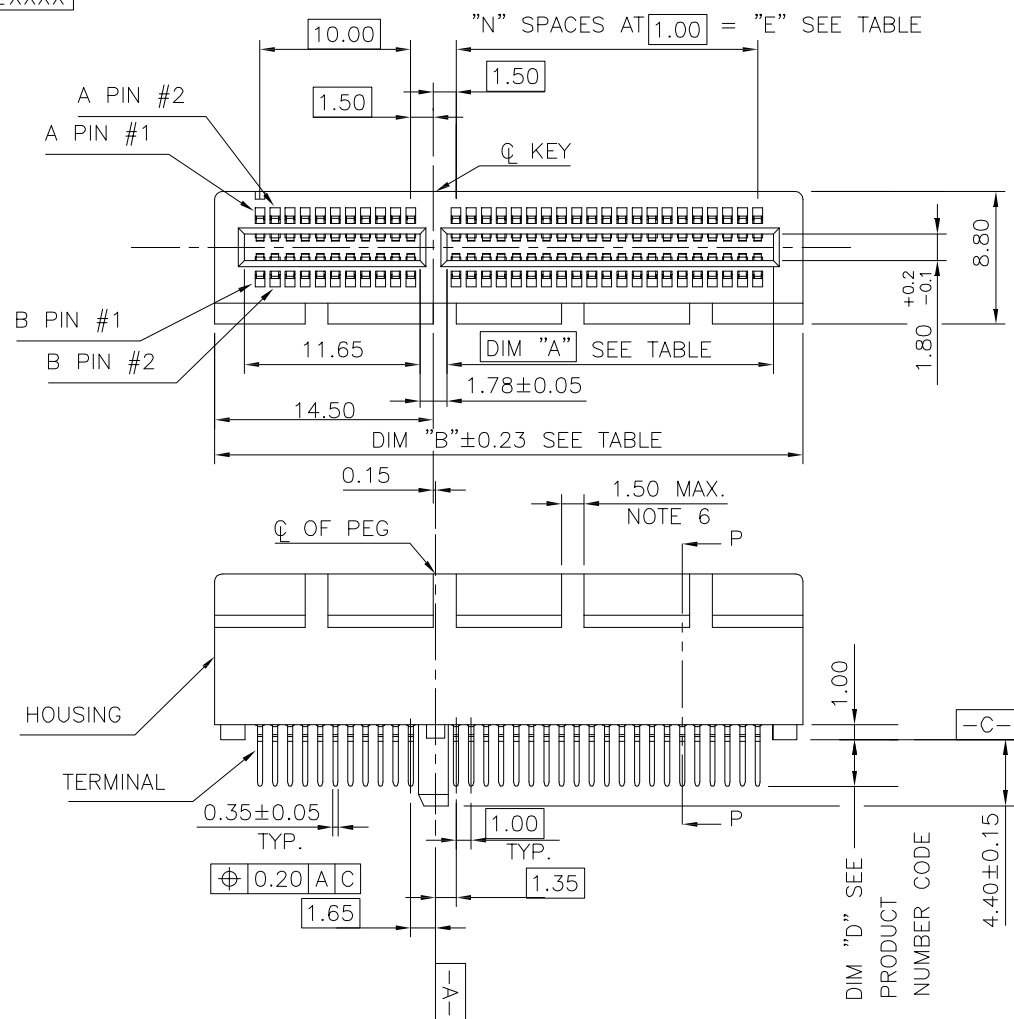


PRODUCT NO.
10108777-X0XXXX



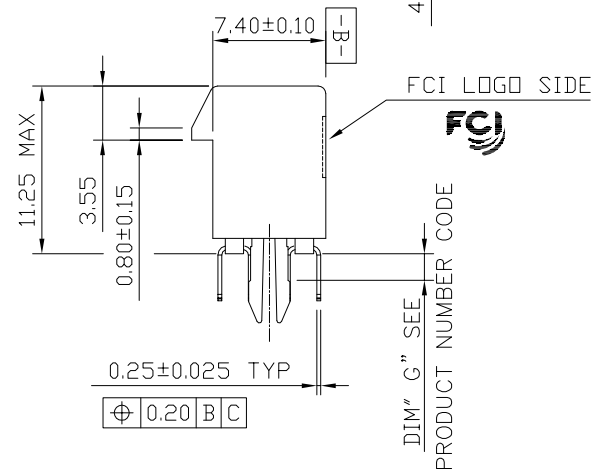
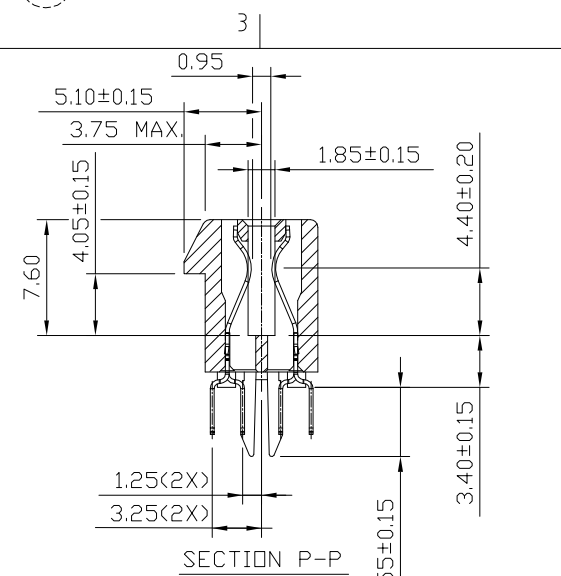
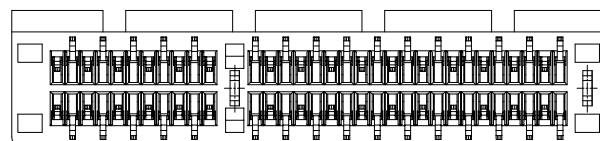
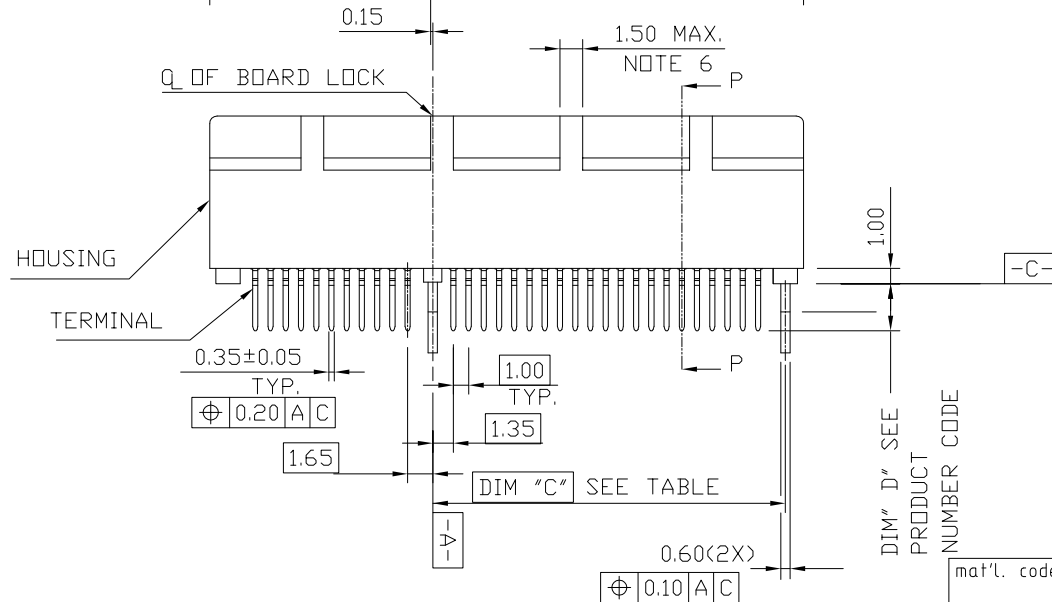
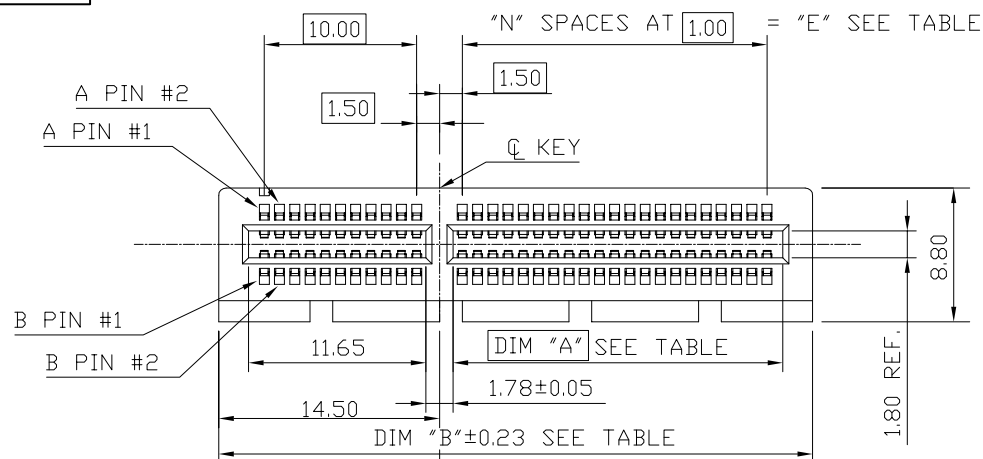
mat'l. code				surface	tolerance	projection	product family	
-				ASME_Y14.5	ASME_Y14.5	MM	PCI_EXPRESS	
lfr	ecn no	dr	date	tolerances unless otherwise specified		MM	title	
C	DG-011582	HT	5/10/12	angles	.0±0.30	MM	PCI_EXPRESS_CARD_EDGE_GEN3	
D	ELX-DG-013209	WL	07/24/12	line	.00±0.20	MM	TH_ASS'Y	
E	ELX-DG-2181-1	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	10108777	
				chr	STONE_LI	2016-03-30	size	
				appd	PM_ZHENG	2016-03-30	A4	
sheet index		revision	G			Amphenol FCI	type	
		sheet					CUSTOMER Drawing	

PRODUCT NO.
10108777-X2XXXX



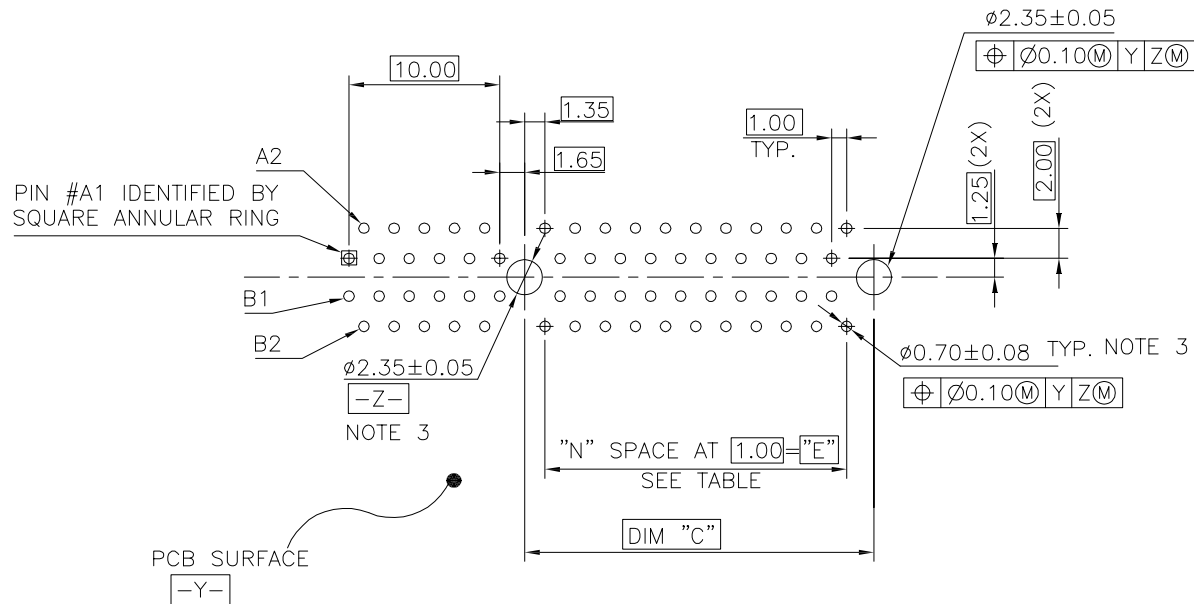
SINGLE PLASTIC PEG TYPE

[illegible]

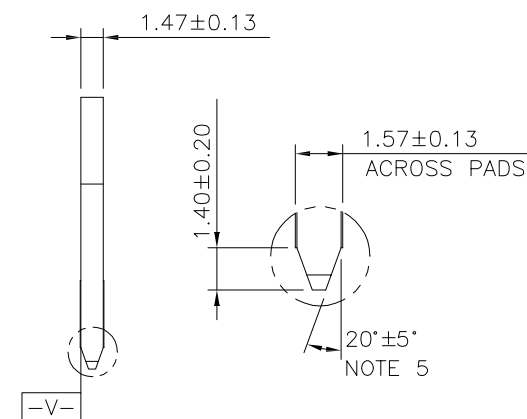


METAL BOARD LOCKS

mat'l. code —					surface - ✓		tolerance ASME_Y14.5		projection 		product family PCI_EXPRESS				
lfr	ecn	no	dr	date	tolerances unless otherwise specified						title				
					angles	linear	.0±0.30				PCI_EXPRESS_CARD_EDGE_GEN3				
							.00±0.20				TH_ASS'Y				
					±2'		.000±0.10				scale N/A				
					dr	ZHENHUA_LIU	2016-03-30				dwg no		sheet 3 of 7		size
					engr	ZHENHUA_LIU	2016-03-30				10108777		A4		
					chr	STONE_LI	2016-03-30								
					appd	PM_ZHENG	2016-03-30				type				CUSTOMER Drawing
sheet index		revision sheet		G											



mat'l. code				surface		tolerance		projection		product family				
-				- ✓		ASME_Y14.5				PCI_EXPRESS				
ltr	ecr	no	dr	date	tolerances unless otherwise specified					title				
					angles	linear	.0±.0.20			PCI_EXPRESS_CARD_EDGE_GEN3				
							.00±.0.13			TH_ASS'Y				
							±2'			scale N/A				
					dr	ZHENHUA_LIU	2016-03-30				dwg no		sheet 4 of 7	size
					engr	ZHENHUA_LIU	2016-03-30				10108777		A4	
					chr	STONE_LI	2016-03-30							
					appd	PM_ZHENG	2016-03-30				type			
sheet index		revision sheet		G										



 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		projection		product family																		
-					- ✓		ASME_Y14.5				PCI_EXPRESS																		
ltr ecn no dr date					tolerances unless otherwise specified							title																	
					angles		linear				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		G																									

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.

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.

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

10108777 -X X X X X X X X

LEAD FREE OPTION

HOUSING COLOR OPTIONS

0-NATURAL
1-BLACK

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

PACKAGING OPTIONS

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

POS OPTIONS

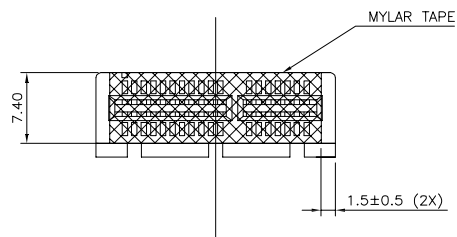
0-36
1-64
2-98
3-164

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 (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)

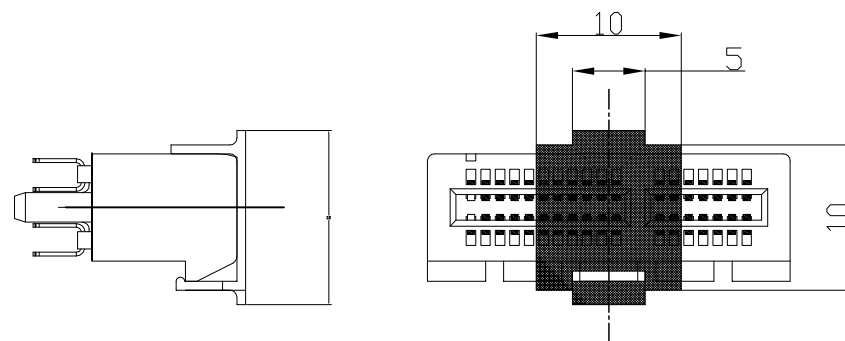
TAIL LENGTH OPTIONS

	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
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

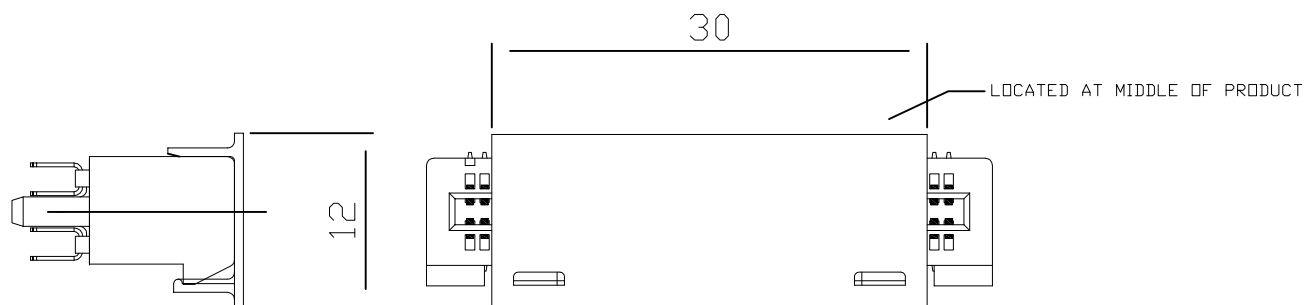
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lfr	ecn no	dr	date	tolerances unless otherwise specified			title			
				angles	.0±0.30		PCI_EXPRESS_CARD_EDGE_GEN3			
					.00±0.20		TH_ASS'Y			
				±2'	.000±0.10	scale N/A				
				dr	ZHENHUA_LIU	2016-03-30	dwg no			
				engr	ZHENHUA_LIU	2016-03-30	sheet 6 of 7			
				chr	STONE_LI	2016-03-30	10108777			
				appd	PM_ZHENG	2016-03-30	size			
sheet				revision	G		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	MM	PCI_EXPRESS_CARD_EDGE_GEN3		
				±2'	.00±0.20	scale N/A	TH_ASS'Y		
					.000±0.10		dwg no		
				dr	ZHENHUA_LIU	Amphenol FCi	sheet 7 of 7		size
				enr	ZHENHUA_LIU		10108777		A4
				chr	STONE_LI		type		
				appd	PM_ZHENG		CUSTOMER Drawing		
sheet index	revision sheet	G							

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

10108777-11123TLF	10108777-00002MLF	10108777-11110TLF	10108777-11033TLF	10108777-11113TLF
10108777-11020TLF	10108777-11010TLF	10108777-11013TLF	10108777-10102TLF	10108777-10033YLF
10108777-10033ELF	10108777-11100TLF	10108777-11120TLF	10108777-11202TLF	10108777-10042TLF
10108777-10043TLF	10108777-10110MLF	10108777-10113MLF	10108777-10100TLF	10108777-11142TLF
10108777-10113YLF	10108777-12102TLF	10108777-10142TLF	10108777-10112MLF	10108777-11122TLF
10108777-10013TLF	10108777-10000TLF	10108777-10101TLF	10108777-11021TLF	10108777-10001MLF
10108777-10002RLF	10108777-10233TLF	10108777-10002WLF	10108777-10112TLF	10108777-10110TLF
10108777-10000ALF	10108777-10133TLF	10108777-11112TLF	10108777-10002TLF	10108777-10113TLF
10108777-10143TLF	10108777-10033ZLF	10108777-10200MLF	10108777-11023TLF	10108777-11003TLF
10108777-10103TLF	10108777-10003TLF	10108777-11141TLF		