


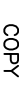
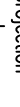
SECTION P-P

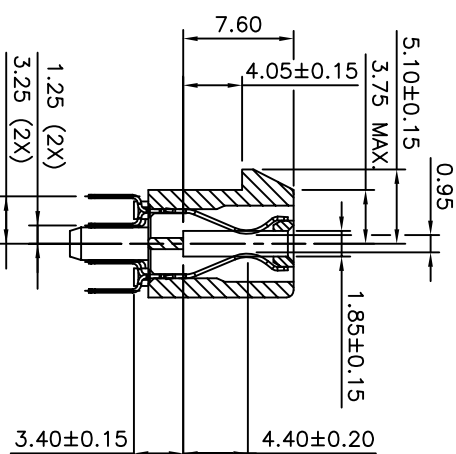
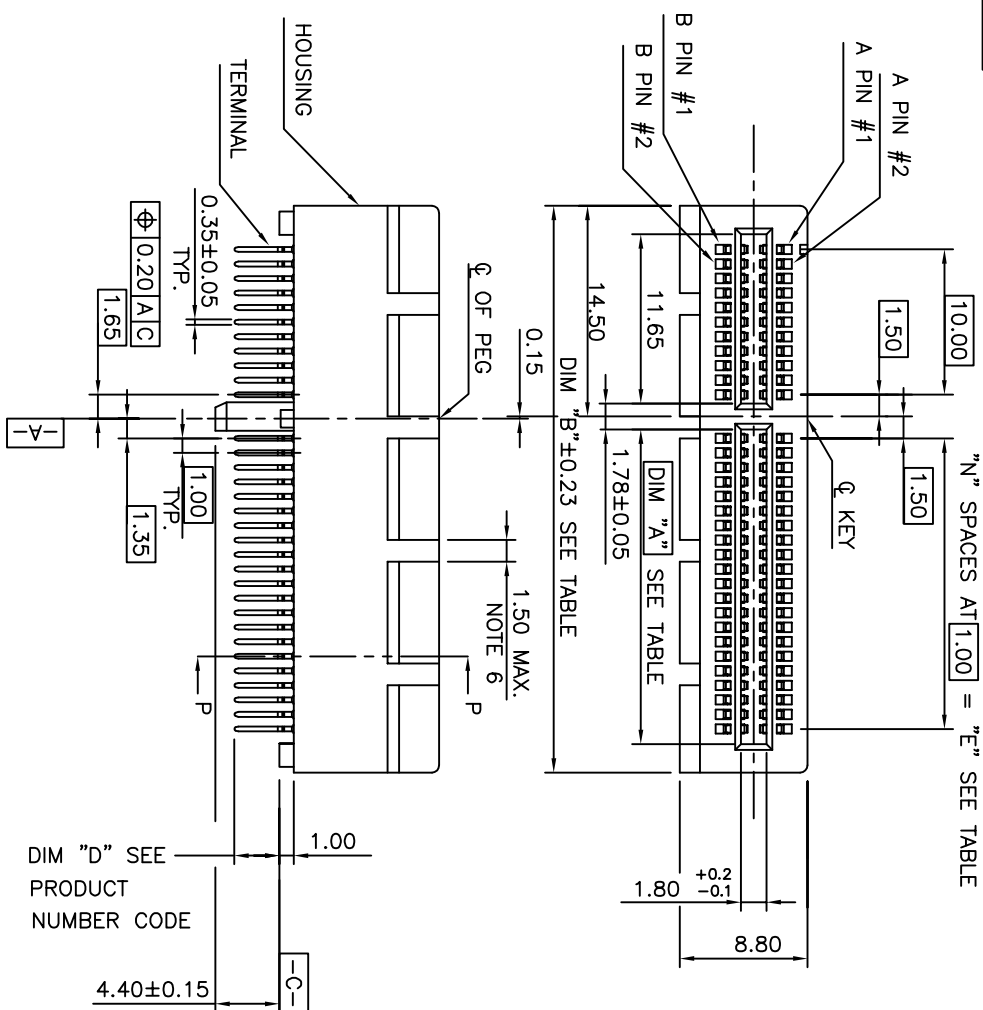


FCI LOGO SIDE

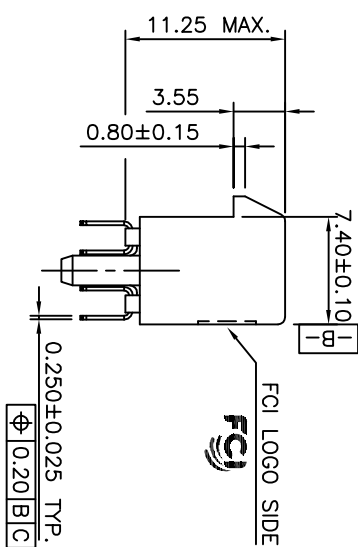
± 0.025	TYP.
Φ	0.20 B C

TWIN PLASTIC PEG TYPE


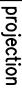
mat'l. code				tolerances unless otherwise specified				CUSTOMER COPY		 www.fciconnect.com	
ltr	ecn no	dr	date	.X ± 0.30					title	PCI EXPRESS CARD EDGE ASSY	code
A	T09-1162	J H	10/29/09	.XX ± 0.20							
B	T-004920	J H	6/8/11	.XXX ± 0.10							
C	D0-011582	HT	5/10/12	0° ± 2°							
D	EX-D0-013209	WL	07/24/12	dr	JASON HSU	10/29/09			product family	EDGE CARD	code
				engr JASON HSU	10/29/09	MM		size dwg no			
				chr GARY HSIEH	10/29/09	scale			A4	10108777	sheet
				apprd JOSEPH HSIA	10/29/09	2:1		1 of 7			
sheet index	revision sheet	D 1	A 2	A 3	A 4	D 5	A 6		A 7		

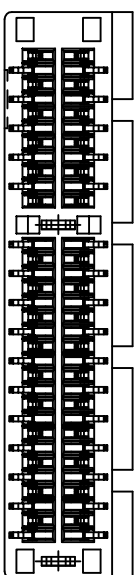
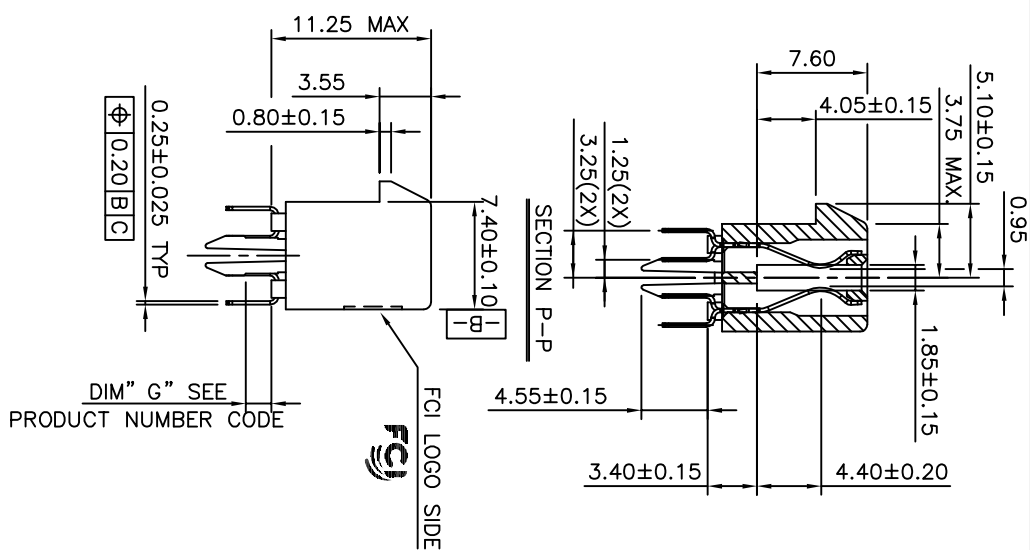


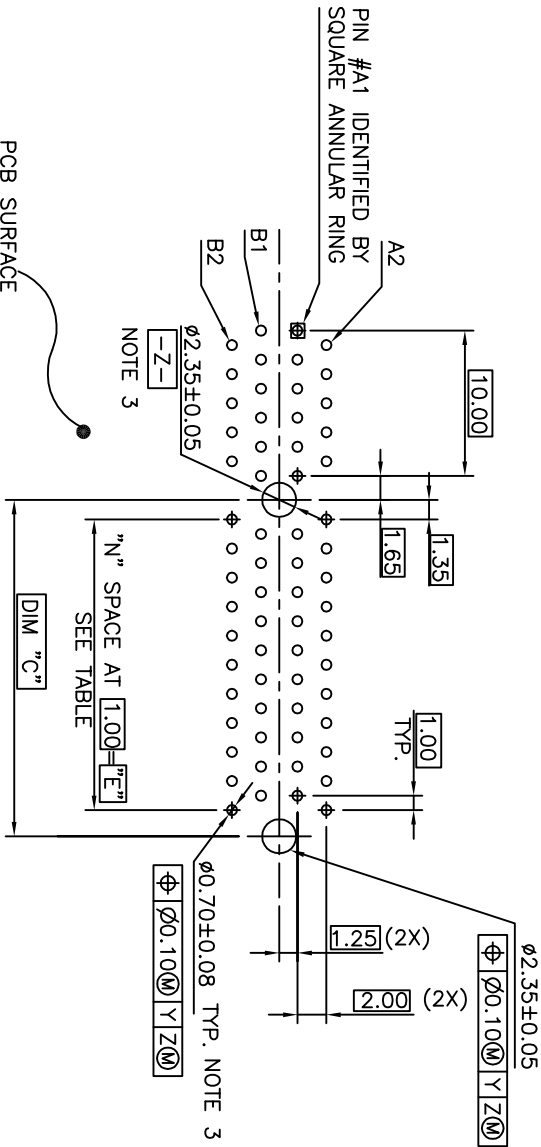
SECTION P-P



SINGLE PLASTIC PEG TYPE

mat'l. code						tolerances unless otherwise specified						CUSTOMER COPY		 www.fciconnect.com							
ltr	ecn no	dr	date			.X ± 0.30	projection					title		PCI EXPRESS							
A						.XX ± 0.20								CARD EDGE ASSY							
						.XXX ± 0.10															
						angles 0° ±2'															
						dr JASON HSU 10/29/09	MM					product family		EDGE CARD							
						engr JASON HSU 10/29/09	↔					size dwg no		TWN							
						chr GARY HSEH 10/29/09	scale					A4		10108777							
						oppld JOSEPH HSA 10/29/09	2:1							sheet							
sheet index	revision sheet													2 of							

METAL BOARD LOCKS TYPE



1/0 PANEL DIRECTION

RECOMMENDED FOOTPRINT

mat'l. code				tolerances unless otherwise specified				CUSTOMER COPY				FCI			
itr	ecn no	dr	date	lineor	.XX ±	.XXX ±	0° ±2°	projection	title	product family	EDGE CARD	code	sheet	4 of	
A				engr JASON HSU	10/29/09	10/29/09	10/29/09	MM	PCI EXPRESS CARD EDGE ASS'Y	EDGE CARD					
				chr GARY HSIEH	10/29/09	10/29/09	10/29/09	scale							
				qppd JOSEPH HSIA	10/29/09	10/29/09	10/29/09	2:1	A4	10108777					
sheet	revision	sheet	index												



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

METAL BOARD LOCKS: COPPER ALLOY,
NUMBER CODE 100u" MIN. OVER 50u" NICKEL.

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 "T".

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:

- "L" 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 260C±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

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

"L" FOR TERMINAL PLATING OPTION 0,1,2

POS OPTIONS

0-36

1-64

2-98

3-164

PACKAGING OPTIONS

T-SOFT TRAY PACKAGING

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

Y-HARD TRAY PACKAGING (FOR 164P ONLY)

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

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

W-TAPE & REEL PACKAGING WITHOUT MYLAR

(FOR 98P ONLY), WITH 18.0MM CAVITY WIDTH

TAIL LENGTH OPTIONS

	DIM "D"	PCB THICKNESS	BOARD LOCKS DIM "G"
0	2.30 ±0.13	1.56±0.10	1.70±0.15
1	3.10 ±0.23	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 ±0.23	2.0±0.10	1.70±0.15

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	

mat'l. code	ecn no	dr	date	linear	tolerances unless otherwise specified	projection	title	product family	EDGE CARD	code
D				.XX ±	.X ±	MM	PCI EXPRESS			TWIN
				.XXX ±	0° ±2°		engr JASON HSU	10/29/09		
							chr GARY HSIEH	10/29/09		
							appr JOSEPH HSIA	10/29/09		
sheet	revision						scale	1:1	A4	6 of 7
index	sheet									

1 | 2

3

4

ACAD

cage code

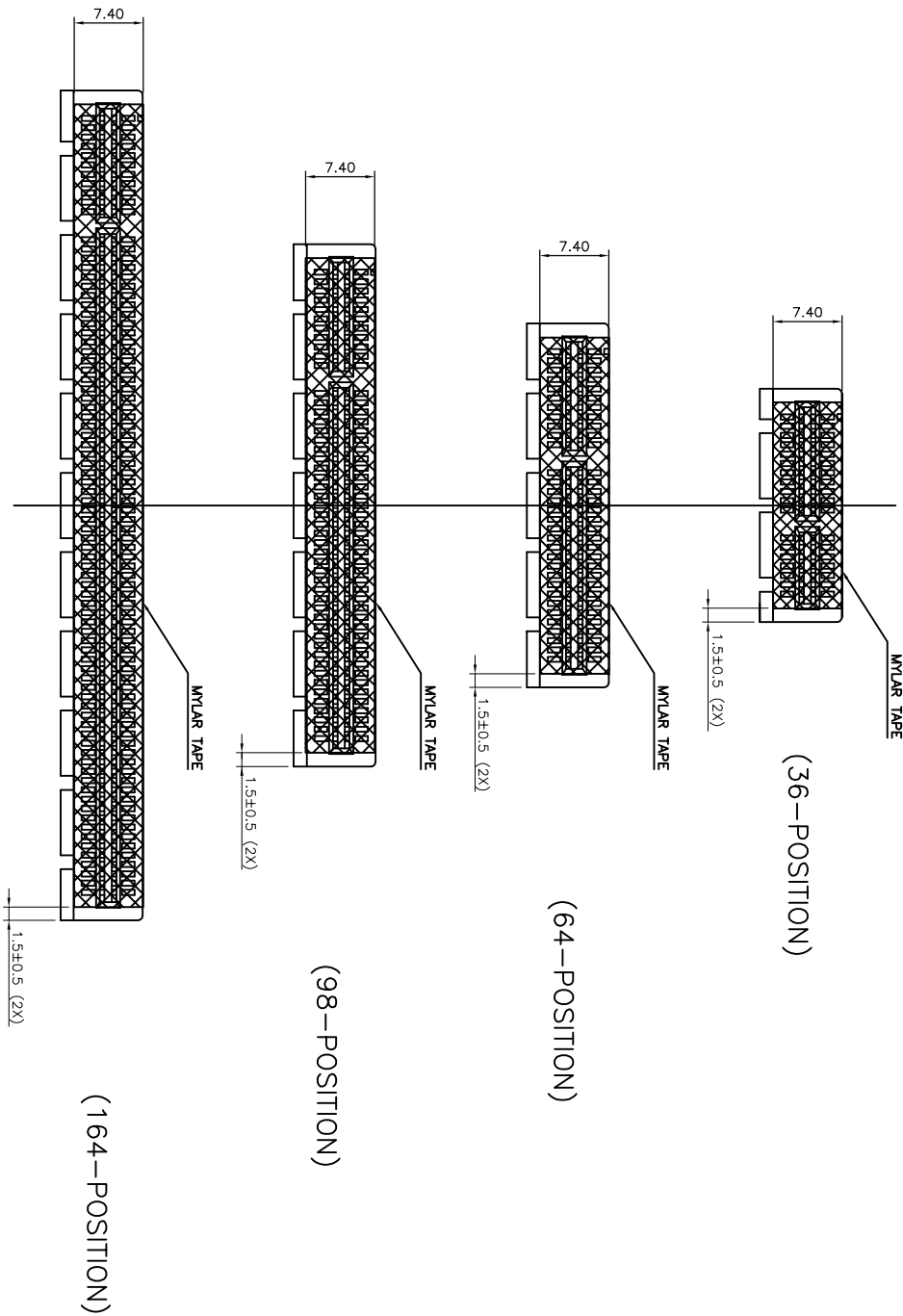


FIGURE 1

mat'l. code			tolerances unless otherwise specified		CUSTOMER COPY		FCI	
itr	ecn no	dr	date	lineor	projection	title	product family	code
A				.XX ± 0.13	MM	PCI EXPRESS CARD EDGE ASS'Y	EDGE CARD	TWN
				.XXX ± 0.05				
				0° ± 2°				
				dr JASON HSU	10/29/09			
				enfr JASON HSU	10/29/09			
				chr GARY HSIEH	10/29/09			
				qppd JOSEPH HSIA	10/29/09			
sheet	revision			scale	1.5:1	A4	10108777	sheet 7 of
Index	sheet							