



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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A

A

B

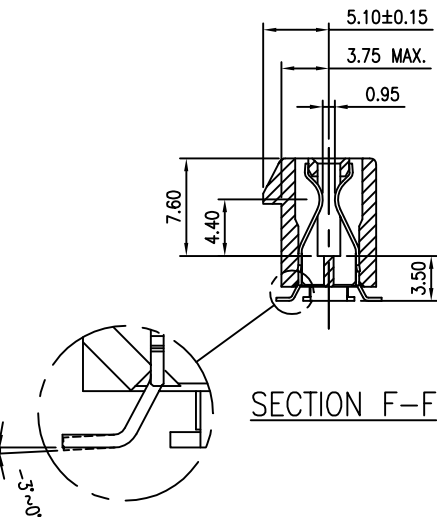
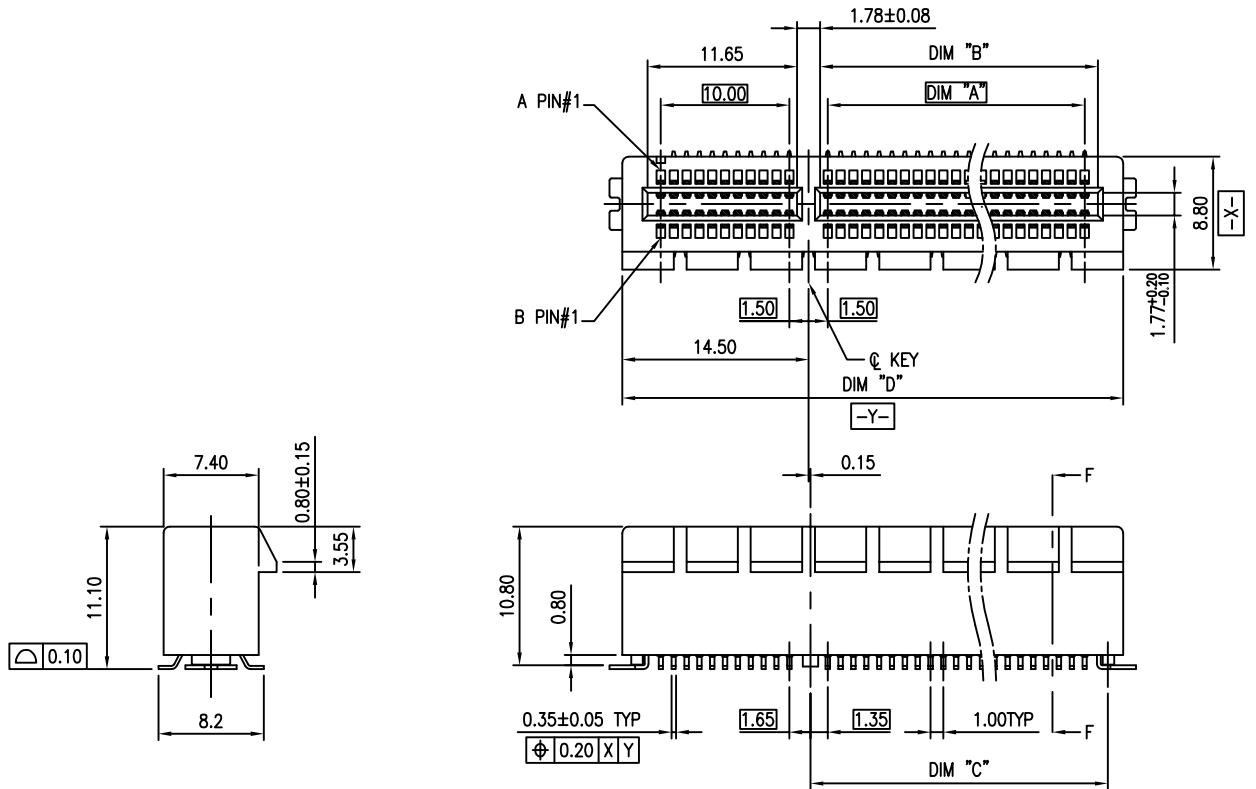
B

C

C

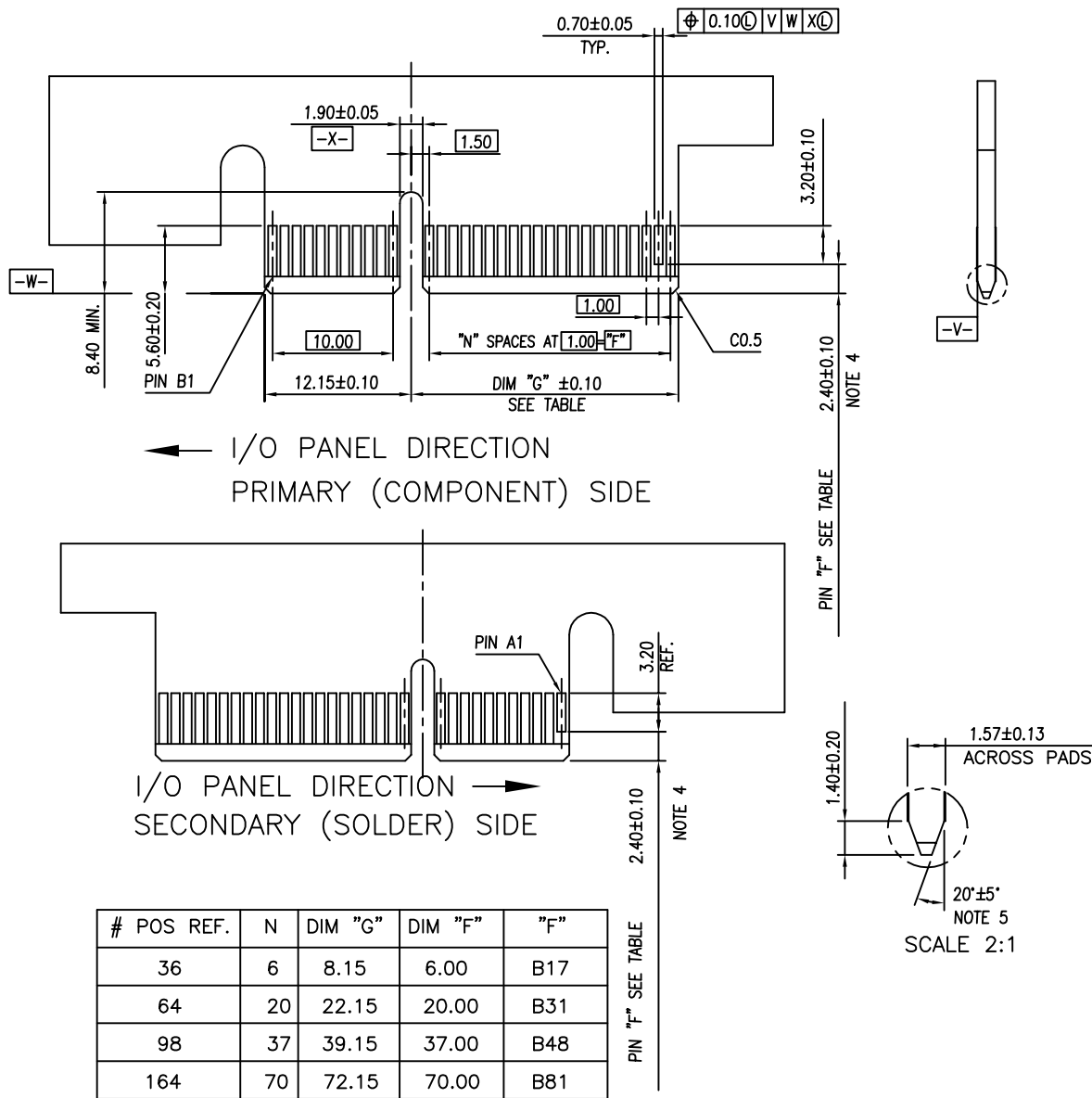
D

D



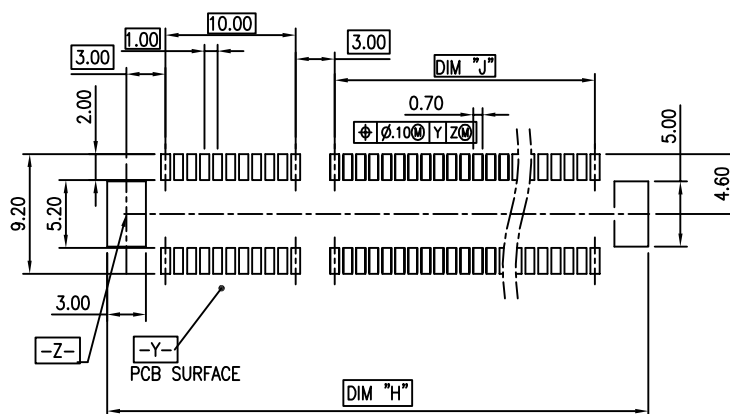
HOLD DOWN TYPE

mat'l. code				surface 58	tolerance	projection	product family			
-				ISO 1302	ISO 406	ISO 1101	PCI_EXPRESS			
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM	title			
A	T04-0004	RC	02/05/'07	angles	linear		PCI_EXPRESS_CARD_EDGE			
B	T07-1083	RC	05/25/'07				POST-FREE_ASSEMBLY(SMT)			
C	DG-007885	HT	11/14/'11	0°±2'		scale 1	dwg no			
D	DG-009560	HT	01/16/'12	dr	RICHARD_CHIU	FCI	sheet 1 of 6		size	
E	ELX-DG-13973	WL	01/31/'13	engr	RICHARD_CHIU		10076266		A4	
				chr	PAUL_WANG		type		CUSTOMER Drawing	
				app	JOSEPH_HSIA					
sheet index	revision	E	A	A	E	A	A			
	sheet	1	2	3	4	5	6			



ADD-IN CARD EDGE-FINGER DIMENSIONS

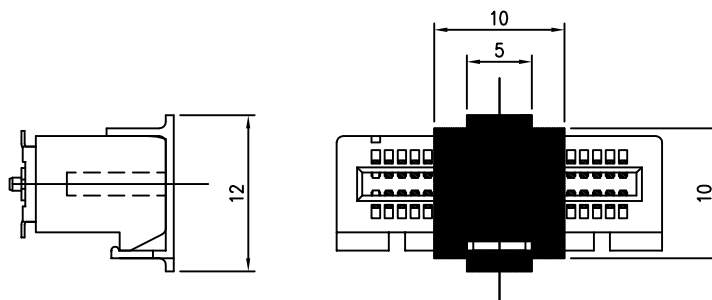
mat'l. code				surface 58	tolerance	projection	product family			
-				ISO 1302	ISO 406 ISO 101		PCI_EXPRESS			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
A	-	-	-	angles	.X ± .2	MM	PCI_EXPRESS_CARD_EDGE			
				linear	.XX ± .13		POST-FREE_ASSEMBLY(SMT)			
				0° ± 2°	XXX ± .05	scale 2				
				dr	RICHARD_CHIU	1/30/'07	dwg no		sheet 2 of 6	size
				engr	RICHARD_CHIU	1/30/'07	10076266			A4
				chr	PAUL_WANG	1/30/'07				
				appd	JOSEPH_HSI	1/30/'07	type		CUSTOMER Drawing	
sheet index	revision	A								
	sheet	2								



RECOMMENDED PCB LAYOUT, PAD TYPE

DIMENSIONS							
POSITION	A	B ± 0.15 ± 0.05	C ± 0.20	D ± 0.23	E ± 0.20	H ± 0.10	J
36	6.00	7.65	9.15	25.00	27.00	28.00	6.00
64	20.00	21.65	23.15	39.00	41.00	42.00	20.00
98	37.00	38.65	40.15	56.00	58.00	59.00	37.00
164	70.00	71.65	73.15	89.00	91.00	92.00	70.00

POSITION OF CAP



mat'l. code				surface 58	tolerance	projection	product family	
-				ISO 1302	ISO 406 ISO 1101		PCI_EXPRESS	
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
A	-	-	-	angles	.X $\pm$.2	MM	PCI_EXPRESS_CARD_EDGE	
				linear	.XX $\pm$.13		POST-FREE_ASSEMBLY(SMT)	
				0° $\pm$ 2°	XXX $\pm$.05	scale 2		
				dr	RICHARD_CHIU	1/30/'07	dwg no	sheet 3 of 6
				engr	RICHARD_CHIU	1/30/'07	10076266	
				chr	PAUL_WANG	1/30/'07	A4	
				appd	JOSEPH_HSIA	1/30/'07	type CUSTOMER Drawing	
sheet index	revision sheet	A	3					

NOTES:

1.MATERIAL:

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

TERMINAL: COPPER ALLOY

PLATING: 50u" NICKEL UNDERPLATE ALL OVER

CONTACT AREA PLATING - SEE PRODUCT NUMBER CODE

SOLDER TAIL: TIN 100u" OVER 50u" NICKEL

METAL PADS: COPPER ALLOY

FINISH: 100u" TIN OVER 50u" NICKEL

2.PRODUCT SPECIFICATION: GS-12-390

③THE HORIZONTAL AXIS FOR THE PAD PATTERN IS ESTABLISHED BY

THE CENTER LINE OF THE PAD LENGTH.

THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS, THROUGH THE CENTER OF DATUM $\begin{matrix} - \\ Z \\ - \end{matrix}$

④NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR PINS A1.

⑤CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.

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 PEAK TEMPERATURE FOR 5 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

PRODUCT NUMBER CODE

10076266-X X X X L F

HOUSING COLOR OPTIONS

1-BLACK

LEAD FREE

PACKAGING OPTIONS

T-TRAY PACKAGING WITHOUT CAP

R-TAPE & REEL PACKING WITHOUT CAP (FOR 36P&64P OPTIONS ONLY)

P-TAPE & REEL PACKING WITH CAP (FOR 36P&64P OPTIONS ONLY)

C-TRAY PACKAGING WITH CAP

M-TAPE&REEL WITH MYLAR(36P&64P OPTION ONLY)

F-HARD TRAY PACKAGING WITH CAP (164P ONLY)

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

POS OPTIONS

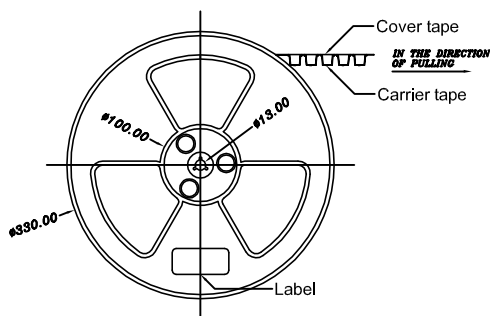
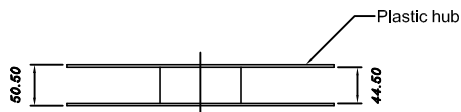
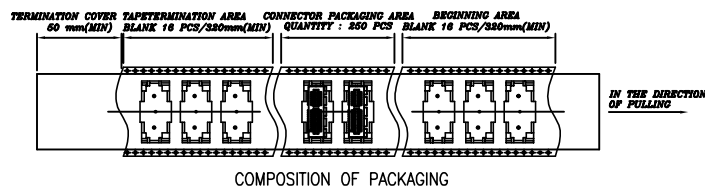
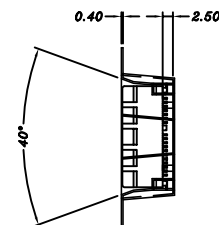
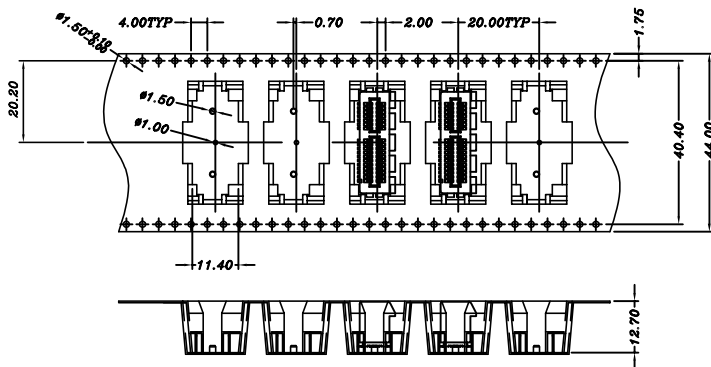
0-36

1-64

2-98

3-164

mat'l. code				surface 58/	tolerance	projection	product family							
-				ISO 1302	ISO 406 ISO	1101	PCI_EXPRESS							
ltr	ecn no	dr	date	tolerances unless otherwise specified			title							
E	-	-	-	angles	linear									
						MM	PCI_EXPRESS_CARD_EDGE							
						scale 2	POST-FREE_ASSEMBLY(SMT)							
				dr	RICHARD_CHIU	1/30/'07	dwg no				sheet 4 of 6			
				engr	RICHARD_CHIU	1/30/'07					10076266			
				chr	PAUL_WANG	1/30/'07								
				app	JOSEPH_HSIA	1/30/'07								
sheet index	revision	C					type				CUSTOMER Drawing			
	sheet	4												



TAPE AND REEL
PACKING
RECOMMENDED FOR
36PINS ONLY

mat'l. code —				surface 58 ✓ ISO 1302		tolerance ISO 406 ISO 101		projection 		product family PCI_EXPRESS										
ltr	ecn no	dr	date	tolerances unless otherwise specified						title PCI_EXPRESS_CARD_EDGE POST—FREE_ASSEMBLY(SMT)										
A	—	—	—	angles		linear		.X±.3 .XX±.20 XXX±.10												MM 
				dr	RICHARD_CHIU		1/30/'07				dwg no				sheet 5 of 6				size	
				engr	RICHARD_CHIU		1/30/'07				10076266				A4					
				chr	PAUL_WANG		1/30/'07				type CUSTOMER Drawing									
				appd	JOSEPH_HSIA		1/30/'07													
sheet index		revision sheet		A	5															

1 For PCI EXPRESS SMT TYPE 36P ONLY.

2. Material :

2.1 Reel :

2.1.1 Plastic hub : High Impact Polystyrene

2.1.2 Cover tape : PE

2.1.3 Carrier tape : ABS

2.2 Waterproof bag : PE

2.3 Desiccative : Silica Gel

2.4 Carton : Corrugated paper

2.5 Baffle : E.P.E

2.6 Angle paperboard : Corrugated paper

3. Dimension :

3.1 Reel :

3.1.1 Plastic hub : $\varnothing 330 \times T50.5$ mm

3.1.2 Cover tape : $5690(L) \times 37.4(W)$ mm

3.1.3 Carrier tape : $5640(L) \times 44(W)$ mm

3.2 Waterproof bag : $600(H) \times 465(W) \times 0.06(T)$ mm

3.3 Desiccative : 25 gram / Package

3.4 Carton : $380(L) \times 380(W) \times 300(H)$ mm

3.5 Baffle (1): $370(L) \times 370(W) \times 15(H)$ mm

3.6 Baffle (2): $355(L) \times 252(W) \times 15(H)$ mm

3.7 Angle paperboard : 252(H)

4. Quantity :

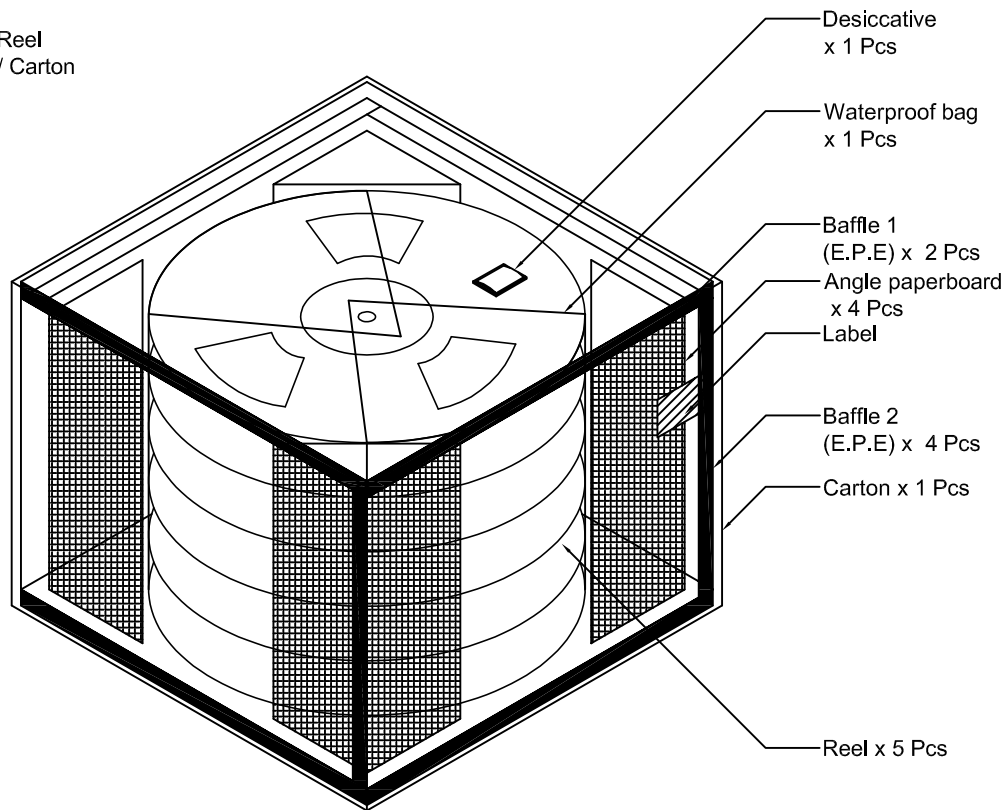
4.1 250 Pcs / Reel

4.2 1250 Pcs / Carton

5. Weight :

5.1 N/W :

5.2 G/W :



mat'l. code —				surface 58 ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family PCI_EXPRESS			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
A	—	—	—	angles	.X±.3	MM	PCI_EXPRESS_CARD_EDGE			
				linear	.XX±.20	scale 1	POST-FREE_ASSEMBLY(SMT)			
				0°±2°	XXX±.10					
				dr	RICHARD_CHIU	1/30/'07	dwg no		sheet 6 of 6	size
				engr	RICHARD_CHIU	1/30/'07	10076266			A4
				chr	PAUL_WANG	1/30/'07				
				appd	JOSEPH_HSIA	1/30/'07	type		CUSTOMER Drawing	
sheet index	revision	A								
	sheet	6								