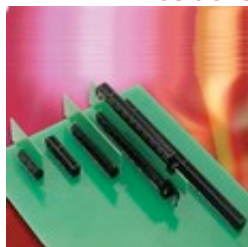


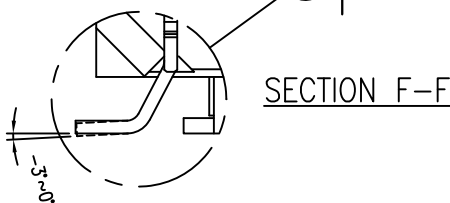
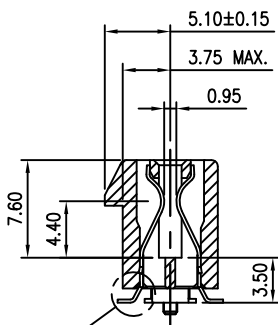
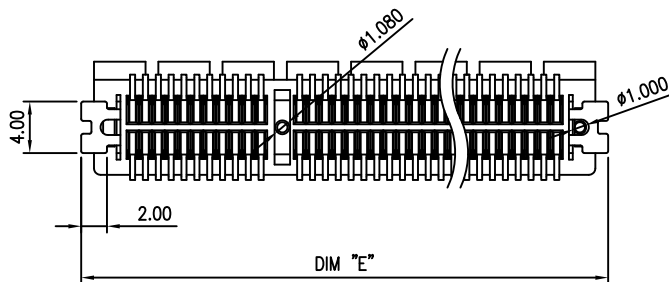
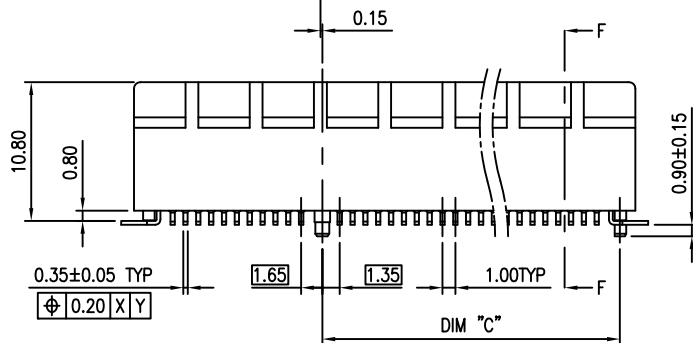
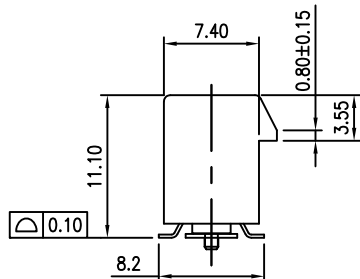
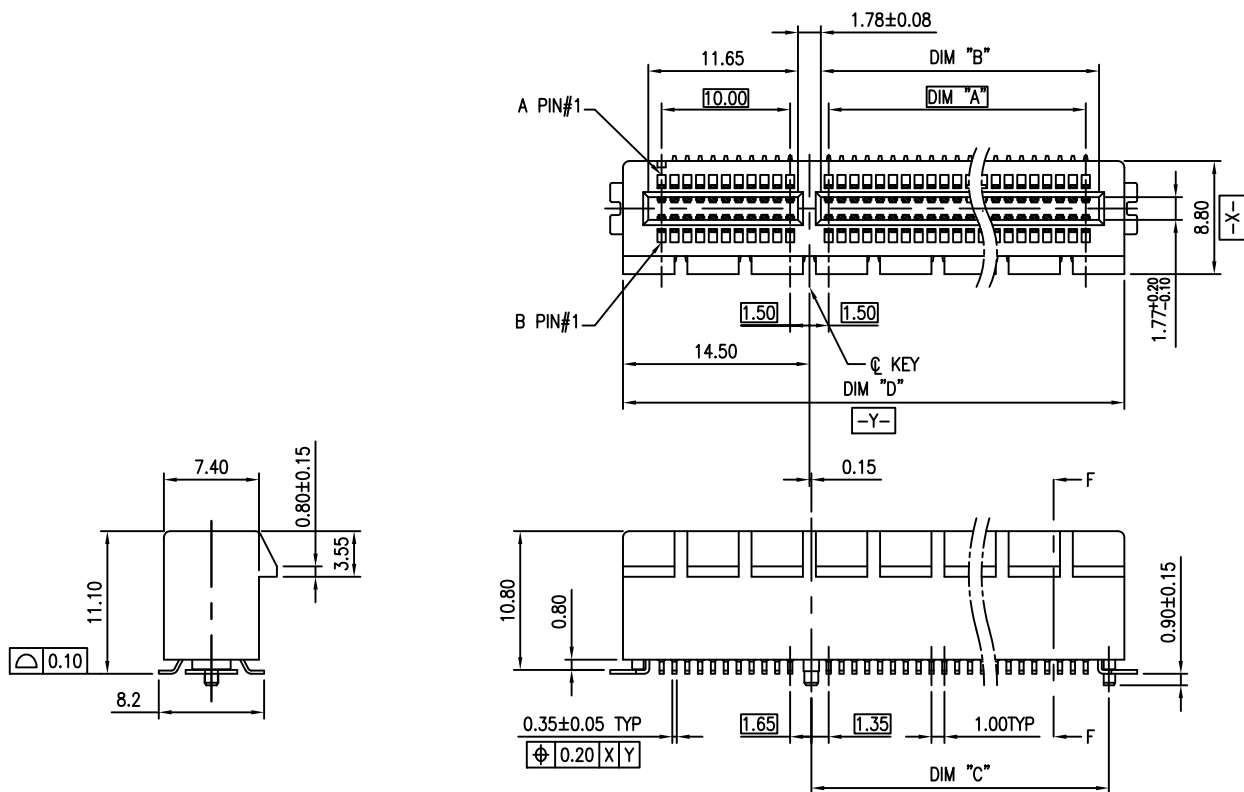
**10061913-101CLF - PCI
Express : Surface Mount
Card Edge Connector, 64
Positions**



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Specifications

General	
Component Type	Surface Mount Connector
Number of contacts (Total)	64 (x4)
Orientation (Features)	Plastic Post
Dimensional	
Thickness (Board)	1.56 mm (0.062 in.)
PCB Thickness (Add-In)	1.57 mm (0.062 in.)
Electrical	
Current rating	1.1 amps per contact
Resistance (Contact)	30 milli ohms max. (Initial) with 10 milli ohms max. change after Exposure Testing
Resistance (Insulation)	1000 M-ohms
Voltage rating	300V AC
Mechanical	
Durability (Mating cycles)	50
Withdrawal Force	0.15N minimum per Contact pair
Mating force	1.15N maximum per Contact pair
Mounting	
Solder process	Reflow Solder
Physical	
Color (Housing)	Black
Material (Contact)	Copper Alloy
Material (Housing)	High - Temperature Nylon, Glass - Filled, UL94V-0
Plating (Contact area)	0.76 µm (30 µin.) Gold over 1.27 µm (50 µin.) Nickel
Plating (Solder area)	2.54 µm (100 µin.) Tin over 1.27 µm (50 µin.) Nickel
Temperature (Range)	-55°C to +85°C
Approvals / Certifications	
Approvals / Certifications	UL Approved
Other Features	
Packaging (Type)	Tray with Cap

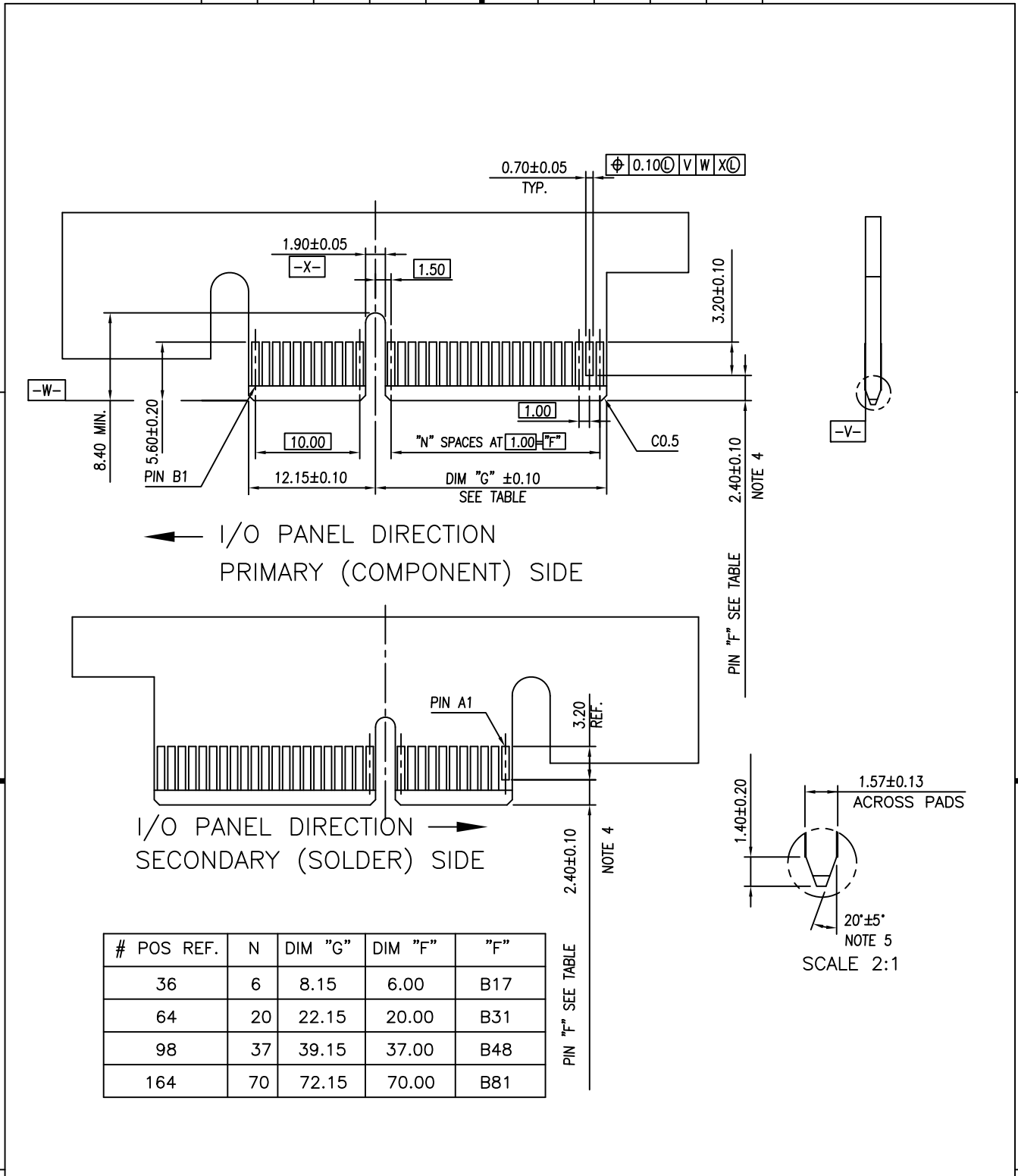


HOLD DOWN TYPE

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mat'l. code				surface 58/ISO 1302		tolerance ISO 406 ISO		projection		product family		
-				ISO 1302		ISO 406 ISO		101		PCI_EXPRESS		
ltr	ecn no	dr	date	tolerances unless otherwise specified				MM		title		
B	T07-0005	RC	02/06/'07	angles	linear	.X±.3		MM		PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)		
C	T07-1083	RC	05/25/'07	0°±2'		.XX±.20		scale 1		dwg no		
D	T07-1120	RC	07/31/'07	0°±2'		XXX±.10		scale 1		sheet 1 of 6		
E	DG08-0111	RC	05/08/'08	dr	MAGGIE_WU	06'/6/21		FCI		10061913		
F	T08-1097	RC	06/03/'08	enr	RICHARD_CHIU	06'/6/21		FCI		A4		
G	T08-1188	JH	10/23/08	chr	PAUL_WANG	06'/6/21		FCI		CUSTOMER Drawing		
H	T10-0007	JH	1/30/10	app	JOSEPH_HSIA	06'/6/21		FCI		CUSTOMER Drawing		
sheet index	revision sheet	H	H	H	H	H	H					
		1	2	3	4	5	6					



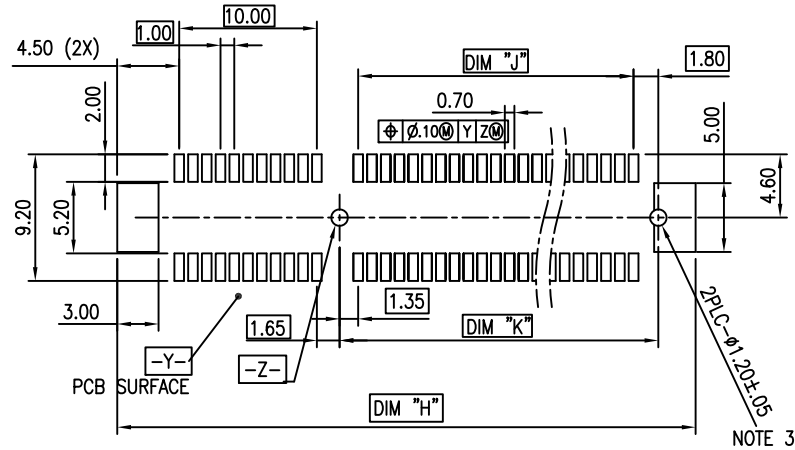
I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE

I/O PANEL DIRECTION
SECONDARY (SOLDER) SIDE

#	POS	REF.	N	DIM "G"	DIM "F"	"F"
36	6		6	8.15	6.00	B17
64	20		20	22.15	20.00	B31
98	37		37	39.15	37.00	B48
164	70		70	72.15	70.00	B81

ADD-IN CARD EDGE-FINGER DIMENSIONS

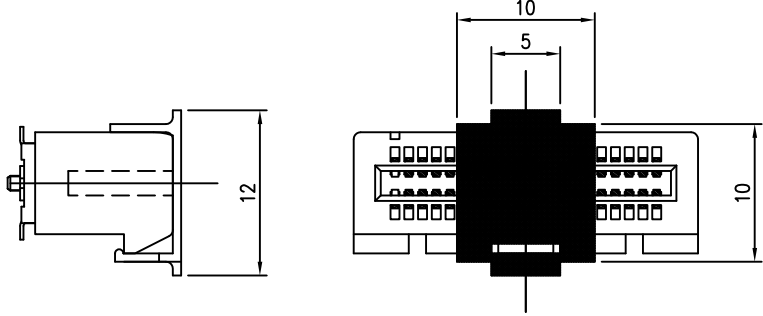
mat'l. code				surface 58/ISO 1302		tolerance ISO 406 ISO 1101		projection		product family PCI_EXPRESS				
ltr ecn no dr date				tolerances unless otherwise specified						title				
H - - -				angles		linear		MM		PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)				
				0°±2°				scale 2		dwg no		sheet 2 of 6		size
				dr MAGGIE_WU		06'/6/21		FCI		10061913		A4		
				enr RICHARD_CHIU		06'/6/21								
				chr PAUL_WANG		06'/6/21								
				app JOSEPH_HSIA		06'/6/21								
sheet index		revision sheet								type		CUSTOMER Drawing		



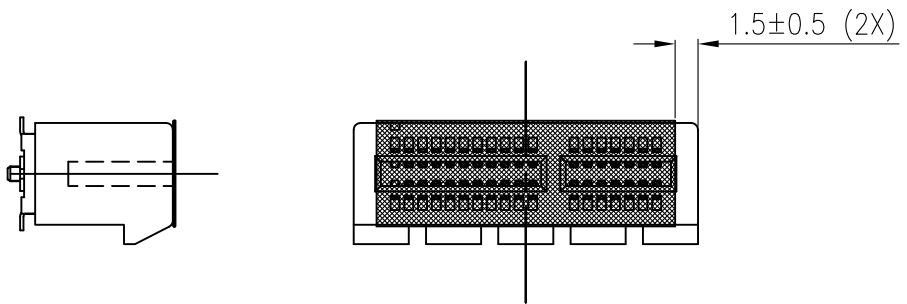
RECOMMENDED PCB LAYOUT, PAD TYPE

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

POSTION OF CAP



POSTION OF MYLAR



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mat'l. code				surface 58/ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family PCI_EXPRESS			
ltr	ecn no	dr	date	tolerances unless otherwise specified				MM		title			
H	-	-	-	angles	linear	.X±.2		scale 2		PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)			
				0°±2°		.XX±.13							
				dr	MAGGIE_WU	06'/6/21	FCI		dwg no		sheet 3 of 6	size	
				enr	RICHARD_CHIU	06'/6/21			10061913		A4		
				chr	PAUL_WANG	06'/6/21			type		CUSTOMER Drawing		
				app	JOSEPH_HSIA	06'/6/21							
sheet index		revision sheet											

NOTES:

1.MATERIAL:

HOUSING: NYLON, GLASS FILLED UL94V-0 RATE, SUITABLE FOR I.R 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 A LINE THROUGH THE CENTER OF THE TWO Ø1.0 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.

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

10061913 -X X X X L F

HOUSING COLOR OPTIONS

0-WHITE
1-BLACK

LEAD FREE

PACKAGING OPTIONS

- T-TRAY PACKAGING WITHOUT CAP
- R-TAPE & REEL PACKING WITHOUT CAP OR MYLAR (FOR 36P & 64P OPTION ONLY)
- P-TAPE & REEL PACKING WITH CAP (FOR 36P & 64P OPTION ONLY)
- C-TRAY PACKAGING WITH CAP
- M-TAPE & REEL PACKING WITH MYLAR (FOR 36P & 64P OPTION ONLY)
- N-TRAY PACKAGING WITH MAYLAR
- Y-HARD TRAY (FOR 164P ONLY)
- Z-HARD TRAY PACKAGING WITH MAYLAR (FOR 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

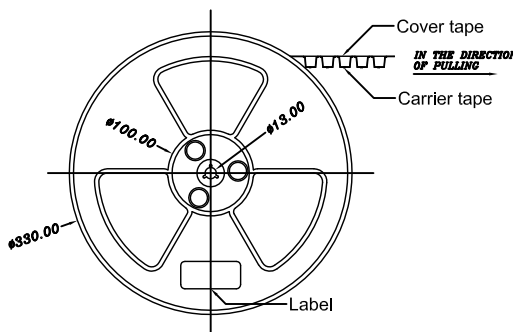
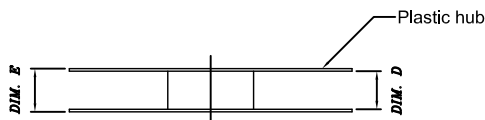
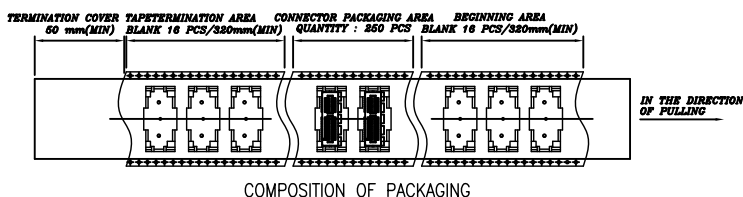
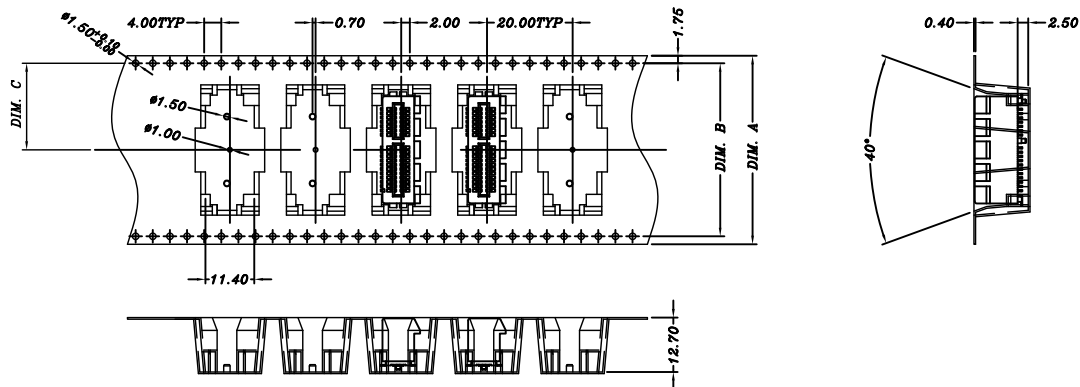
- 0-36
- 1-64
- 2-98
- 3-164



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mat'l. code				surface 58/ISO 1302		tolerance ISO 406 ISO		projection		product family			
-				ISO 1302		ISO 406 ISO		1101		PCI_EXPRESS			
ltr	ecn no	dr	date	tolerances unless otherwise specified		angles		linear		title			
H	-	-	-	.X±.2		0°±2'		MM		PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)			
				.XX±.13				scale 2					
				XXX±.05						dwg no		sheet 4 of 6	size
				dr MAGGIE_WU 06'/6/21				FCI		10061913		A4	
				enr RICHARD_CHIU 06'/6/21						type CUSTOMER Drawing			
				chr PAUL_WANG 06'/6/21									
				app JOSEPH_HSIA 06'/6/21									
sheet index	revision sheet												



TAPE AND REEL
 PACKING PRESENTED
 WITH 36PINS

DIMENSIONS					
POSITIONS	A	B	C	D REF.	E REF.
36	44.00	40.40	20.20	44.5	50.5
64	56.00	52.60	26.30	56.4	60.4

mat'l. code				surface 58/ISO 1302		tolerance ISO 406 ISO 1101		projection		product family PCI_EXPRESS			
ltr ecn no dr date				tolerances unless otherwise specified		angles linear		MM		title PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)			
H - - -				0°±2°		.X±.3 .XX±.20 XXX±.10		scale 1		dwg no		sheet 5 of 6 size	
				dr MAGGIE_WU 06'/6/21		engr RICHARD_CHIU 06'/6/21		FCJ		10061913		A4	
				chr PAUL_WANG 06'/6/21		app JOSEPH_HSIA 06'/6/21				type		CUSTOMER Drawing	
sheet index		revision sheet											



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1 TAPE & REEL PACKING FOR PCI EXPRESS SMT TYPE 36P.

2. Material :

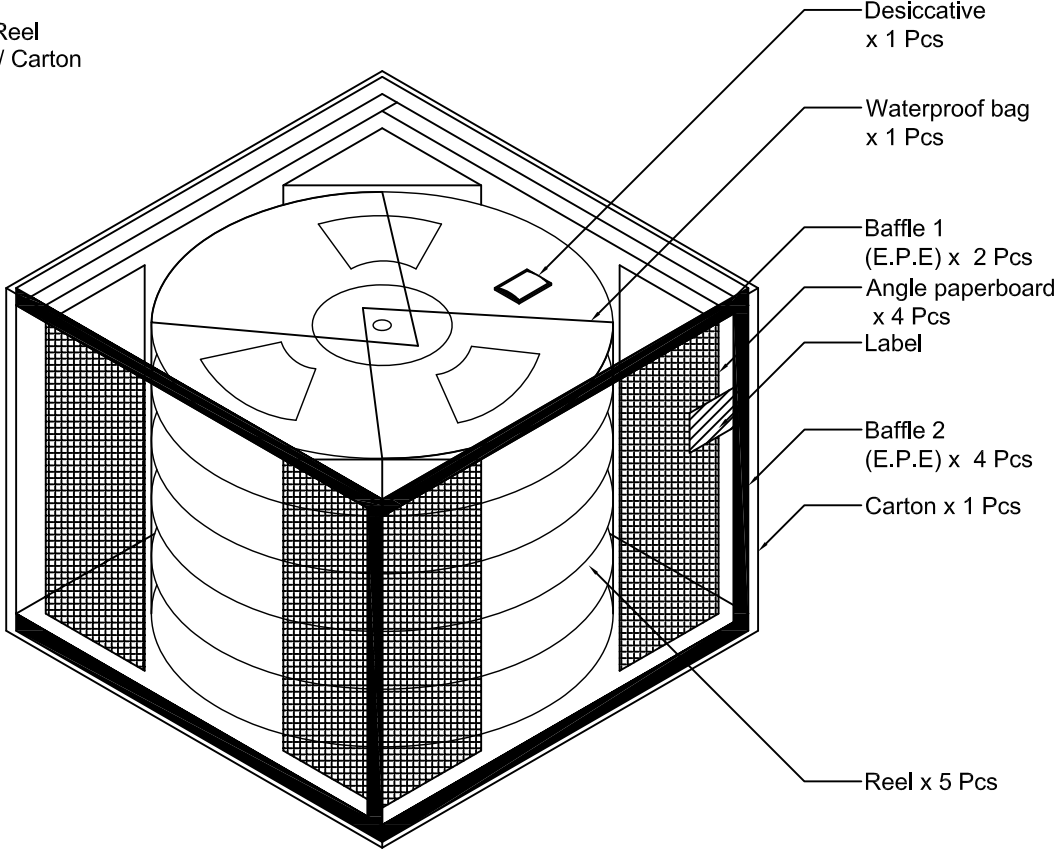
- 2.1 Reel :
 - 2.1.1 Plastic hub : High Impact Polystyrene
 - 2.1.2 Cover tape : PE
 - 2.1.3 Carrier tape : ABS
- 2.2 Waterproof bag : PE
- 2.3 Desiccative : Silica Gel
- 2.4 Carton : Corrugated paper
- 2.5 Baffle : E.P.E
- 2.6 Angle paperboard : Corrugated paper

3. Dimension :

- 3.1 Reel :
 - 3.1.1 Plastic hub : $\phi 330 \times T50.5$ 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 1,250 Pcs / Carton



mat'l. code				surface 58/ISO 1302		tolerance ISO 406 ISO 1101		projection		product family		
-				ISO 1302		ISO 406 ISO 1101		1:1		PCI_EXPRESS		
ltr	ecn no	dr	date	tolerances unless otherwise specified		angles		MM		title		
H	-	-	-			linear		MM		PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)		
				0°±2'				scale 1		dwg no sheet 6 of 6 size		
				dr	MAGGIE_WU	06'/6/21	FCI		10061913 A4			
				enr	RICHARD_CHIU	06'/6/21			type CUSTOMER Drawing			
				chr	PAUL_WANG	06'/6/21						
				app	JOSEPH_HSIA	06'/6/21						
sheet index		revision sheet										