

REV.	ECN NO./DESCRIPTION	DATE
C	R180670	02/26'21
D	R210056	08/31'21
E	R210056	10/26'22
F	R210056	7/20'23

NOTES:

- MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC (SEE TABLE)
TERMINAL: PHOSPHOR BRONZE C5191 T=0.25mm;
HOOK: S50C T=0.30mm
- FINISH:
TERMINAL: 50u" NI PLATING OVER ALL;
100u" MATTE Sn PLATING ON SOLDER TAIL;
GOLD PLATING ON CONTACT AREA.
HOOK: Ni 50u" MIN. UNDERPLATED OVER ALL.
MATTE Sn 100u" MIN. PLATED ON SOLDER AREA.

- MECHANICAL SPEC:
DURABILITY : 50 MATING CYCLES.
RETENTION FORCE : 0.40 kgf MIN PER PIN.
MATING FORCE : 1.15N MAX PER PAIR.
UNMATING FORCE : 0.15N MIN PER PAIR.

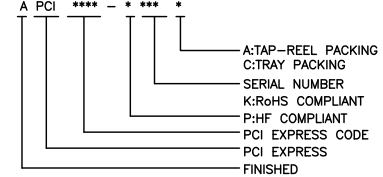
- ELECTRICAL SPEC:
CURRENT RATING: 1.1A.
CONTACT RESISTANCE: 30 MILLIOHMS MAX. INITIAL.
INSULATION RESISTANCE: 1000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE: 500V AC MIN.

- IR REFLOW:
THE TEMPERATURE SHALL BE 260°C MAINTAINING 10 SECONDS

- RoHS COMPLIANT OR HALOGEN FREE COMPLIANT.

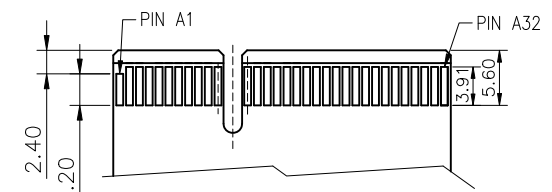
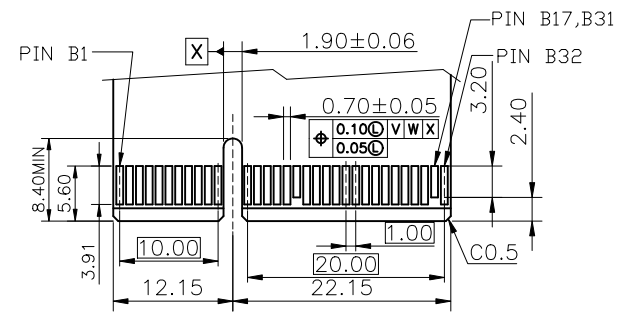
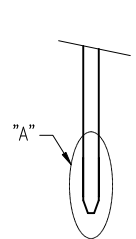
- RECOMMENDED STENCIL THICKNESS: 0.18mm.
- STORAGE ENVIRONMENT FOR CONNECTOR:
THE MATERIALS SHOULD BE USED IN 72 HOURS AFTER OPENING THE PACKAGE IF NOT USED UP PLEASE RESEAL AGAIN. IF NOT RESEAL ON TIME, PLEASE BAKE 100°C/4H BEFORE USE.

9. PRODUCT NUMBER NOTE:

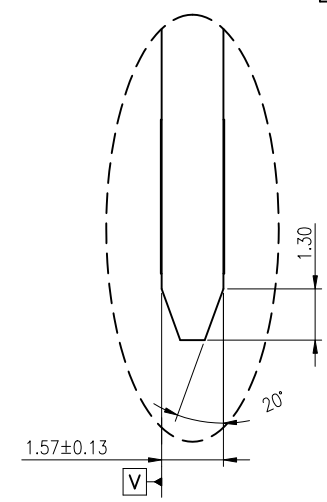


GENERAL TOLERANCES UNLESS SPECIFIED		PART NO.	LOTES		
.X ± 0.35	X° ± 3°	SEE TABLE	TITLE 64P PCI EXPRESS 4.0 SMT CONNECTOR SIDE PUSH TYPE		
.XX ± 0.25	X° ± 2°	APPROVED BY MARK 7/20'23	DWG NO. GAP-APCI0472		
.XXX ± 0.15	.XX° ± 1°	CHECKED BY Wuyao 7/20'23	DRAWN BY YUQUAN 7/20'23		
CUSTOMER DRAWING					
SIZE	UNITS				
A4	MM[INCH]				
				SHEET	SCALE
				1 / 4	1:1
					REV
					F

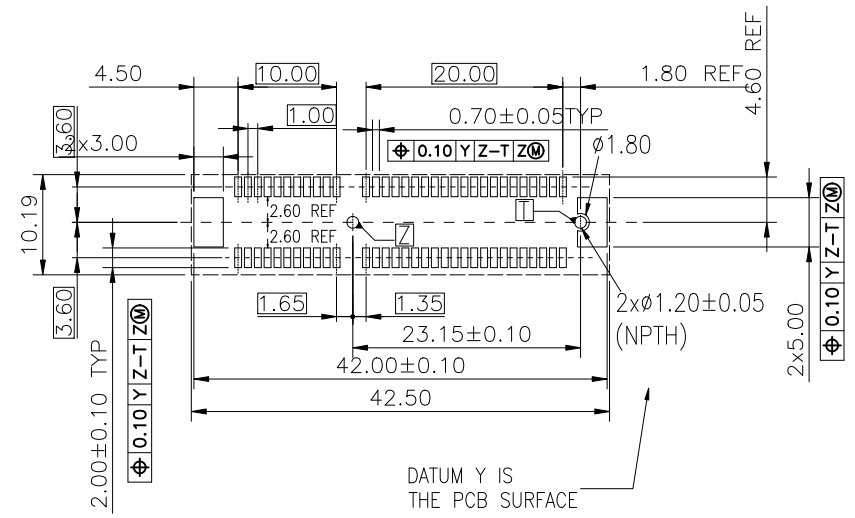
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ADD-IN CARD EDGE-FINGER DIMENSIONS
DEFAULT TOLERANCE ±0.05.



DETAIL "A"
SCALE 4/1



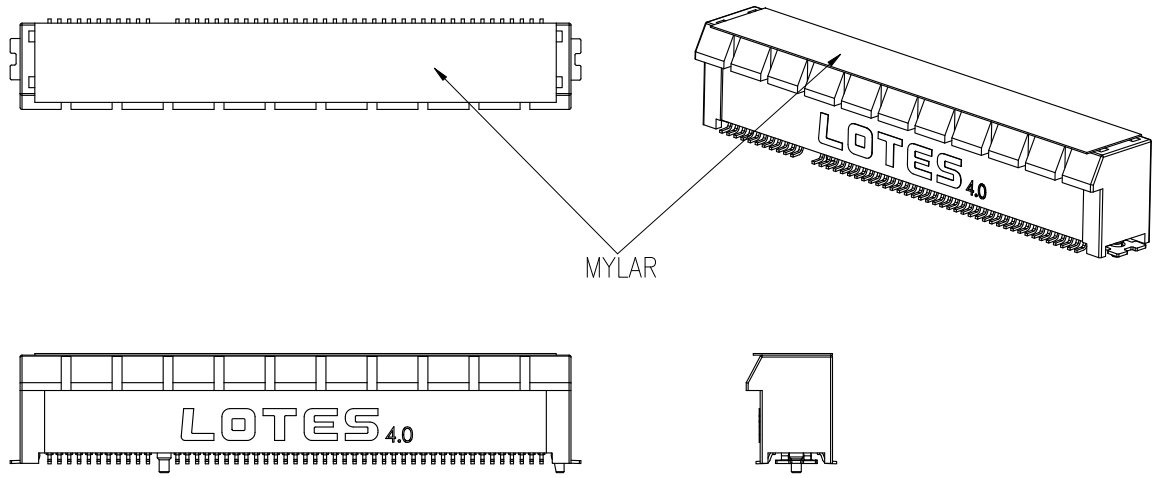
DATUM Y IS
THE PCB SURFACE

RECOMMENDED FOOTPRINT(TOP VIEW)

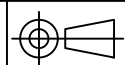
DEFAULT TOLERANCE ±0.05

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.X ± 0.35	X° ± 3°	SEE TABLE	TITLE 64P PCI EXPRESS 4.0 SMT CONNECTOR SIDE PUSH TYPE		
.XX ± 0.25	X° ± 2°	APPROVED BY MARK 7/20'23	DWG NO. GAP-APCI0472		
.XXX ± 0.15	XX° ± 1°	CHECKED BY Wuyao 7/20'23	DRAWN BY YUQUAN 7/20'23		
SIZE A4	UNITS MM[INCH]	CUSTOMER DRAWING		SHEET 2 / 4	SCALE 1:1
				REV F	

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GENERAL TOLERANCES UNLESS SPECIFIED		PART NO.	LOTES		
.X ± 0.35	X° ± 3°	SEE TABLE			
.XX ± 0.25	.X° ± 2°	APPROVED BY	TITLE 64P PCI EXPRESS 4.0 SMT CONNECTOR SIDE PUSH TYPE		
.XXX ± 0.15	.XX° ± 1°	MARK 7/20'23			
CUSTOMER DRAWING		CHECKED BY	DWG NO. GAP-APCI0472		
		Wuyao 7/20'23			
SIZE	UNITS	DRAWN BY	SHEET SCALE REV		
A4	MM[INCH]	YUQUAN 7/20'23			

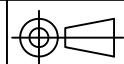


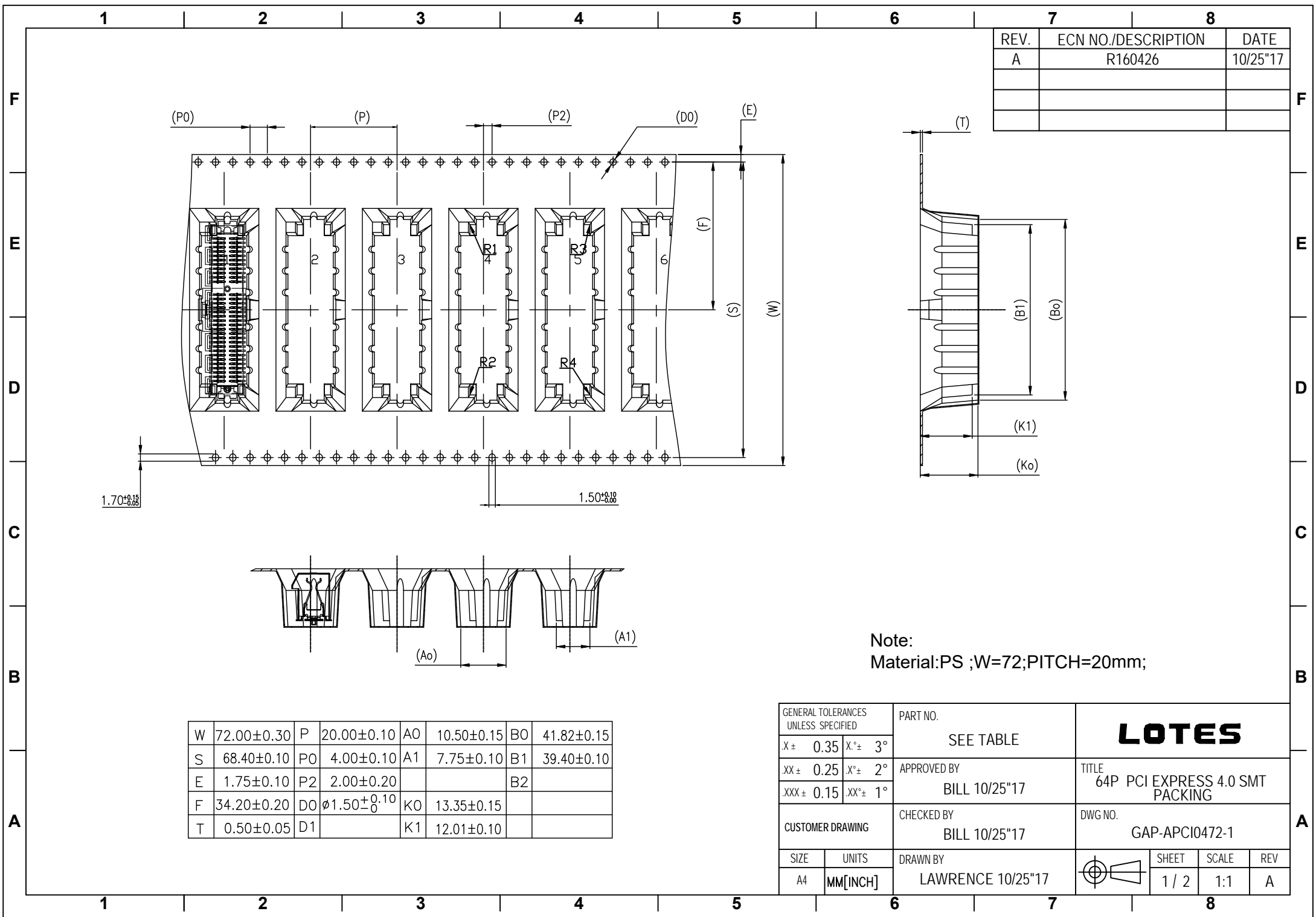
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The definition of each PIN in the Contacts			
Pin	Name	Side B Description	Side A Description
1	Power	Power	PRSNT 1# Presence detect
2	Power	Power	Power
3	Power	Power	Power
4	GND	Ground	GND
5	SMBCLK	SMBus (System Management Bus)clock	JTAG2 TRST#(Test Reset),resets the JTAG interface
6	SMBDAT	SMBus (System Management Bus)Data	JTAG3 TDI (Test Data input)
7	GND	Ground	JTAG4 TDO (Test Data Output)
8	Power	Power	JTAG5 TMS (Test Mode Select)
9	JTAG1	TRST#(Test Reset),resets the JTAG interface	Power
10	Power	Power	Power
11	WAKE#	Signal for Link reactivation	PERST # Fundamental reset
12	CLKREQ#	Clock Request Signal	GND
13	GND	Ground	REFCLK+ Reference clock differential pair
14	SIGNAL	SIGNAL	REFCLK-
15	SIGNAL	SIGNAL	GND
16	GND	Ground	SIGNAL
17	PRSNT 2#	Presence detect	SIGNAL
18	GND	Ground	GND
19	SIGNAL	SIGNAL	MFG Manufacturer Test Mode
20	SIGNAL	SIGNAL	GND
21	GND	Ground	SIGNAL
22	GND	Ground	SIGNAL
23	SIGNAL	SIGNAL	GND
24	SIGNAL	SIGNAL	GND
25	GND	Ground	SIGNAL
26	GND	Ground	SIGNAL
27	SIGNAL	SIGNAL	GND
28	SIGNAL	SIGNAL	GND
29	GND	Ground	SIGNAL
30	PWRBRK#	Emergency Power Reduction	SIGNAL
31	PRSNT 2#	Presence detect	GND
32	GND	Ground	RSVD Reserved

NOTES :

- Side A Description : ALL Ground PINS ON THE SAME SIDE INSIDE THE CONNECTOR ARE SHORT CONNECTED BY EMI
- Side B Description : ALL Ground PINS ON THE SAME SIDE INSIDE THE CONNECTOR ARE SHORT CONNECTED BY EMI

GENERAL TOLERANCES UNLESS SPECIFIED		PART NO. SEE TABLE	LOTES			
.X ± 0.35	X° ± 3°					
.XX ± 0.25	X° ± 2°		APPROVED BY MARK 7/20'23	TITLE 64P PCI EXPRESS 4.0 SMT CONNECTOR SIDE PUSH TYPE		
.XXX ± 0.15	.XX° ± 1°	CHECKED BY Wuyao 7/20'23	DWG NO. GAP-APCI0472			
CUSTOMER DRAWING		DRAWN BY YUQUAN 7/20'23		SHEET	SCALE	REV
SIZE A4	UNITS MM[INCH]			4 / 4	1:1	F



REV.	ECN NO./DESCRIPTION	DATE
A	R160426	10/25'17

1.70±0.05

1.50±0.05

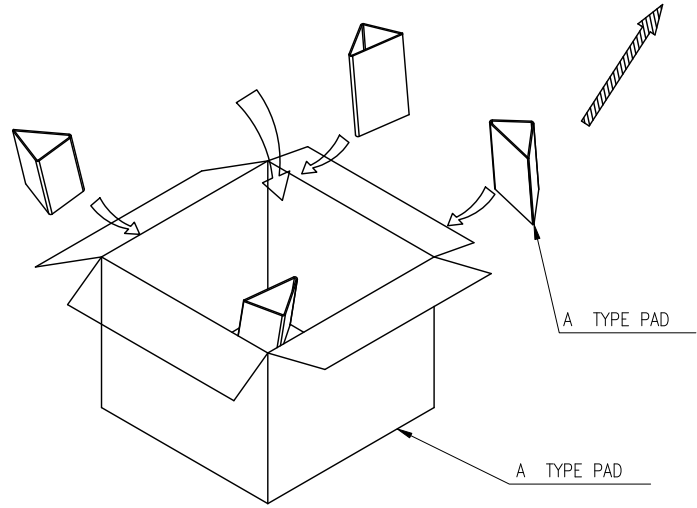
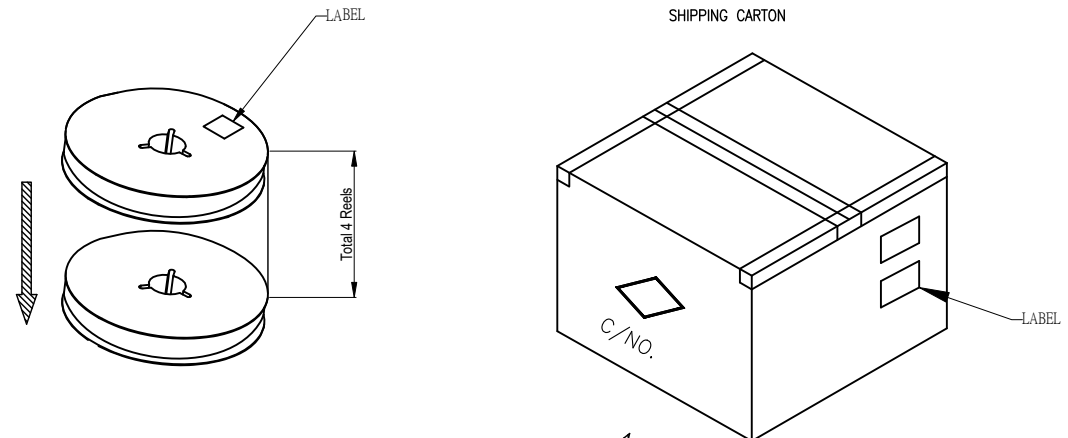
Note:
Material:PS ;W=72;PITCH=20mm;

W	72.00±0.30	P	20.00±0.10	A0	10.50±0.15	B0	41.82±0.15
S	68.40±0.10	P0	4.00±0.10	A1	7.75±0.10	B1	39.40±0.10
E	1.75±0.10	P2	2.00±0.20			B2	
F	34.20±0.20	D0	∅1.50± ^{0.10} ₀	K0	13.35±0.15		
T	0.50±0.05	D1		K1	12.01±0.10		

GENERAL TOLERANCES UNLESS SPECIFIED		PART NO.	LOTES		
.X ± 0.35	X° ± 3°	SEE TABLE	TITLE 64P PCI EXPRESS 4.0 SMT PACKING		
.XX ± 0.25	X° ± 2°	APPROVED BY BILL 10/25'17	DWG NO. GAP-APCI0472-1		
.XXX ± 0.15	.XX° ± 1°	CHECKED BY BILL 10/25'17	SHEET 1 / 2		
SIZE	UNITS	DRAWN BY LAWRENCE 10/25'17	SCALE 1:1	REV A	
A4	MM[INCH]				

REV.	ECN NO./DESCRIPTION	DATE
A	R160426	10/25'17

PACKING MATERIAL			
NO.	NAME	SPEC (mm)	Q'TY
1	TAPE REEL	W=72;PITCH=24	4 PCS
2	SELF ADHESIVE	W=65.5;T=0.06	18M
3	DESICCANT	50g/BAG	1 PCS
4	TRANSPARENT FILM BAG	520*320*460mm	1 PCS
5	CARTON	340*340*325mm;	1 PCS
6	PAPER ANGLE BEAD	350*310*6mm;B=C;	4 PCS
7	SHIM PLATE	320*320:C33;	2 PCS
8	LABEL	N/A	1 PCS



- NOTES:
 1 .QUANTITY/REEL:220PCS/REEL
 2 .QUANTITY/CARTON: 220*4=880PCS/CARTON

GENERAL TOLERANCES UNLESS SPECIFIED		PART NO. SEE TABLE	LOTES		
.X ± 0.35	X° ± 3°				
.XX ± 0.25	X° ± 2°	APPROVED BY BILL 10/25"17	TITLE 64P PCI EXPRESS 4.0 SMT PACKING		
.XXX ± 0.15	.XX° ± 1°				
CUSTOMER DRAWING		CHECKED BY BILL 10/25"17	DWG NO. GAP-APCI0472-1		
SIZE	UNITS				
A4	MM[INCH]	DRAWN BY LAWRENCE 10/25"17	SHEET 2 / 2	SCALE 1:1	REV A

1 2 3 4 5 6 7 8

F

F

E

E

TABLE

NO.	PART NUMBER	HOUSING	TERMINAL	HOOK	MYLAR
1	APCI0472-P001A51	HOUSING_BLACK;UL94 V-0	PHOSPHOR BRONZE C5191_30u'Au	S50C	WITH
2	APCI0472-P002A	HOUSING_BLACK;UL94 V-0	PHOSPHOR BRONZE C5191_15u'Au	S50C	WITH
3	APCI0472-P001A	HOUSING_BLACK;UL94 V-0	PHOSPHOR BRONZE C5191_30u'Au	S50C	WITH
4	APCI0472-P004A	HOUSING_BLACK;UL94 V-0	PHOSPHOR BRONZE C5191_G/F	S50C	WITH
5	APCI0472-P005A	HOUSING_BLACK;UL94 V-0	PHOSPHOR BRONZE C5191_G/F	S50C	WITH

D

D

C

C

B

B

A

A

1 2 3 4 5 6 7 8