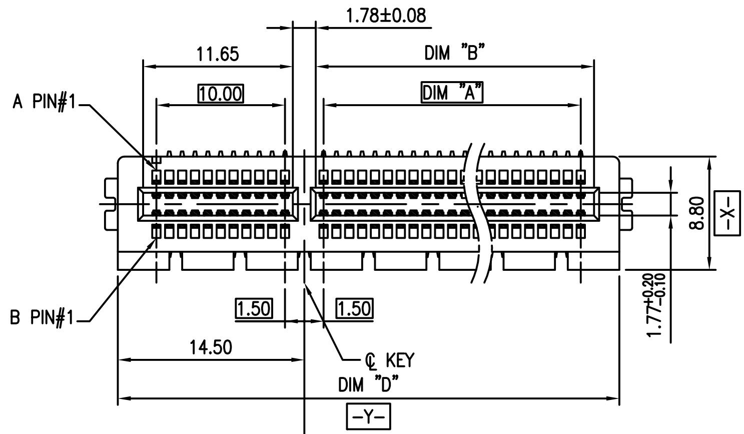
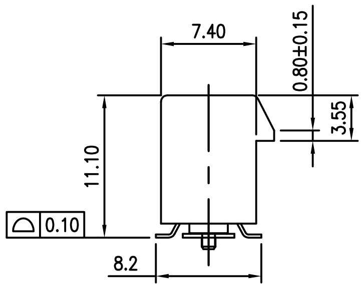
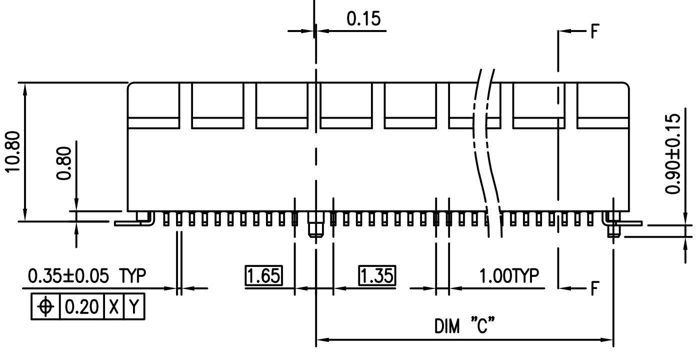
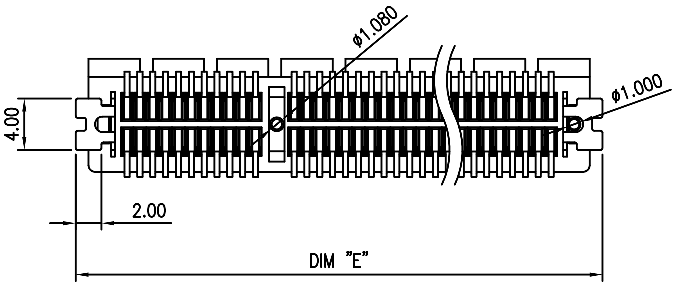
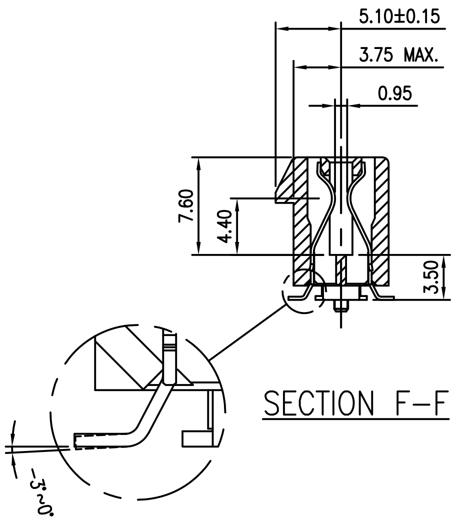








HOLD DOWN TYPE



SECTION F-F

mat'l. code	surface 58	tolerance	projection	product family
–	ISO 1302	ISO 406 ISO 1101		PCI_EXPRESS

ltr	ecn no	dr	date
B	T07-0005	RC	02/06/'07
C	T07-1083	RC	05/25/'07
D	T07-1120	RC	07/31/'07
E	DG08-0111	RC	05/08/'08
F	T08-1097	RC	06/03/'08
G	T08-1188	JH	10/23/08
H	T10-0007	JH	1/30/10

tolerances unless otherwise specified

angles	linear	
		.X±.3
		.XX±.20
0°±2°		XXX±.10

MM

scale 1

dr	MAGGIE_WU	06'/6/21
engr	RICHARD_CHIU	06'/6/21
chr	PAUL_WANG	06'/6/21
appd	JOSEPH_HSIA	06'/6/21

title

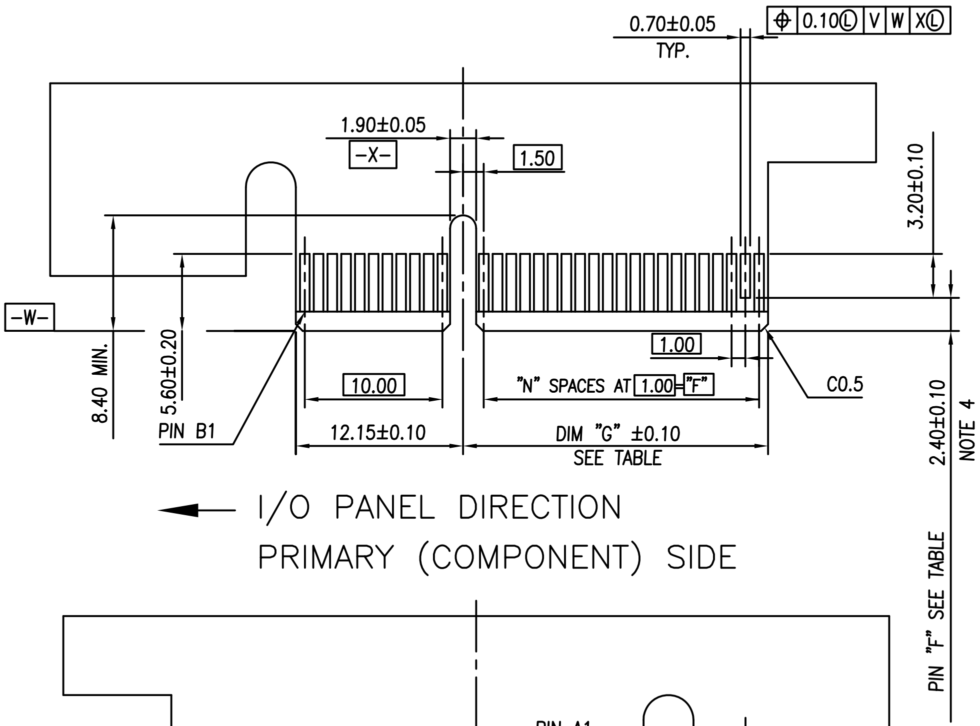
PCI_EXPRESS_CARD_EDGE
ASSEMBLY(SMT)

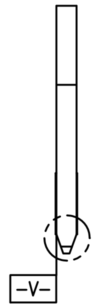
dwg no: 10061913 | sheet 1 of 6 | size A4

type: CUSTOMER Drawing

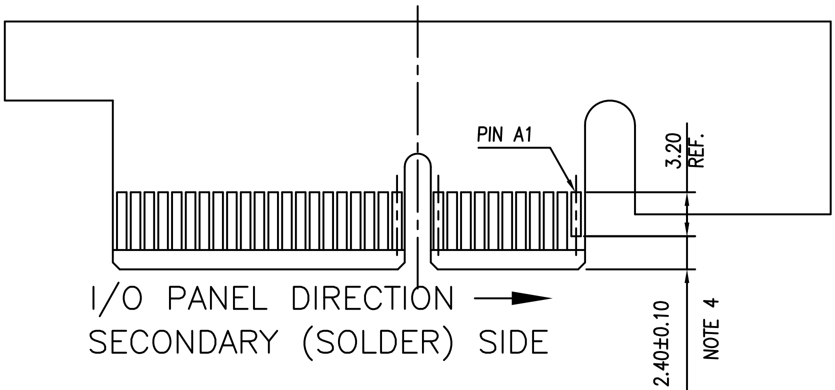
sheet index						
revision	H	H	H	H	H	H
sheet	1	2	3	4	5	6

PDM: Rev:H STATUS: Released Printed: Jun 28, 2010

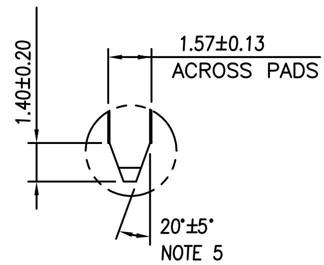




I/O PANEL DIRECTION
PRIMARY (COMPONENT) SIDE



I/O PANEL DIRECTION
SECONDARY (SOLDER) SIDE



SCALE 2:1

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

ADD-IN CARD EDGE-FINGER DIMENSIONS

mat'l. code: –
surface: ISO 1302, 58
tolerance: ISO 406, ISO 1101
projection
product family: PCI_EXPRESS

ltr	ecn no	dr	date
H	–	–	–

tolerances unless otherwise specified
angles: 0°±2°
linear: .X±.2 / .XX±.13 / XXX±.05
MM
scale 2

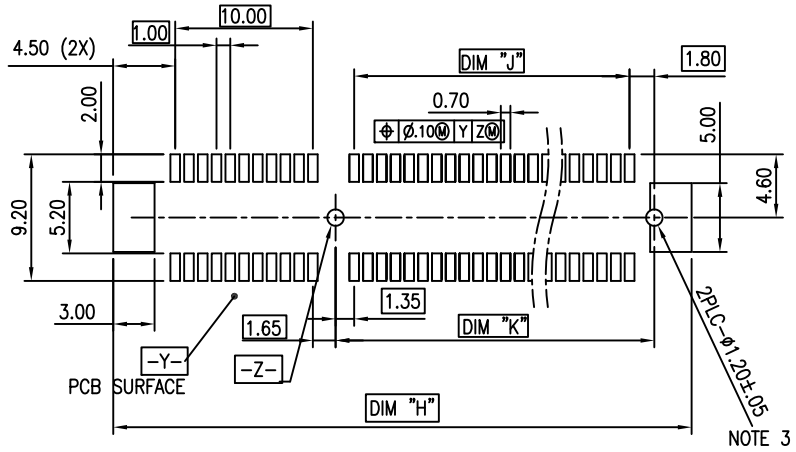
title: PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)

dr	MAGGIE_WU	06'/6/21
engr	RICHARD_CHIU	06'/6/21
chr	PAUL_WANG	06'/6/21
appd	JOSEPH_HSIA	06'/6/21

dwg no 10061913
sheet 2 of 6
size A4
type CUSTOMER Drawing

sheet index | revision sheet

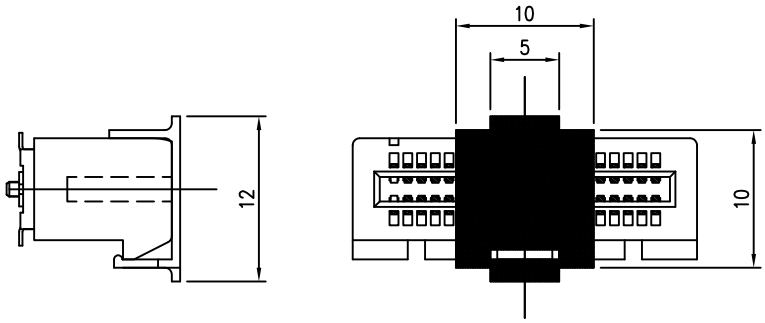
form: A4



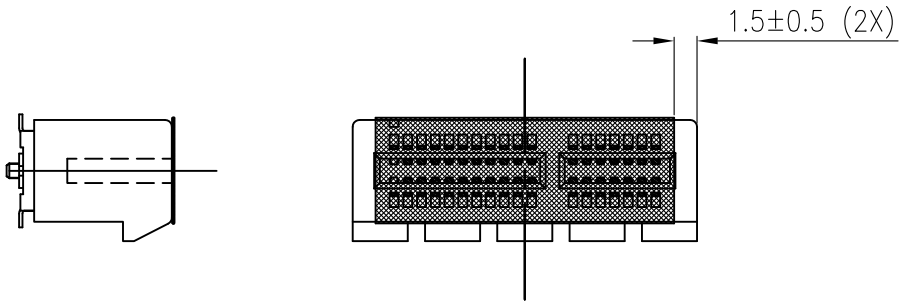
RECOMMENDED PCB LAYOUT, PAD TYPE

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



mat'l. code	–	surface ISO 1302 58	tolerance ISO 406 ISO 1101	projection	product family PCI_EXPRESS			
ltr	ecn no	dr	date	tolerances unless otherwise specified				
H	–	–	–	angles	linear .X±.2	MM	title PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)	
				0°±2°	.XX±.13 .XXX±.05	scale 2		
				dr MAGGIE_WU	06'/6/21		dwg no 10061913	sheet 3 of 6 size A4
				engr RICHARD_CHIU	06'/6/21			
				chr PAUL_WANG	06'/6/21			
				appd JOSEPH_HSIA	06'/6/21		type CUSTOMER Drawing	
sheet index	revision sheet							

form: A4

PDM: Rev:H STATUS: Released Printed: Jun 28, 2010

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

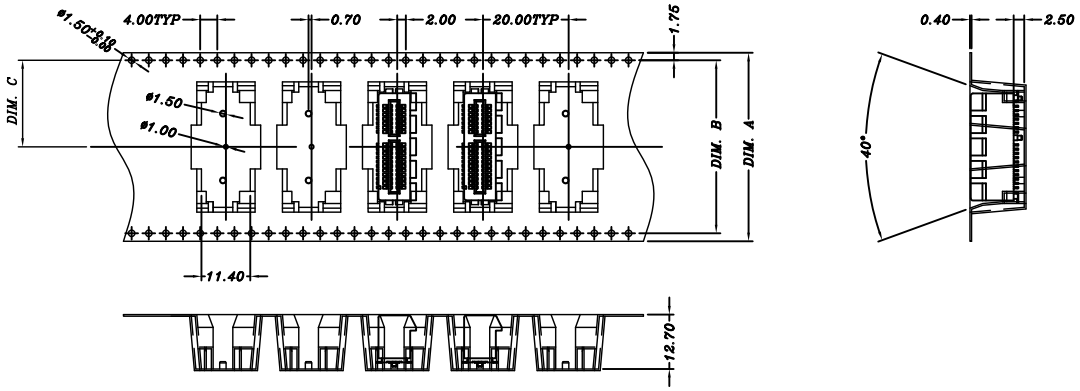
PACKAGING OPTIONS
T-TRAY PACKAGING WITHOUT CAP
R-TAPE & REEL PACKING WITHOUT CAP OR MYLAR (FOR 36P & 64P OPTION ONLY)
P-TAPE & REEL PACKING WITH CAP (FOR 36P & 64P OPTION ONLY)
C-TRAY PACKAGING WITH CAP
M-TAPE & REEL PACKING WITH MYLAR (FOR 36P & 64P OPTION ONLY)
N-TRAY PACKAGING WITH MAYLAR
Y-HARD TRAY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

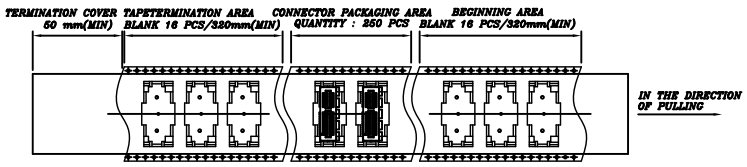
TERMINAL PLATING OPTIONS
0-50u" Ni UNDERPLATE
30u" Au CONTACT AREA
100u" TIN TAIL AREA ----- COMPATIBLE RoHS
1-50u" Ni UNDERPLATE
15u" Au CONTACT AREA
100u" TIN TAIL AREA ----- COMPATIBLE RoHS
2-50u" Ni UNDERPLATE
GOLD FLASH CONTACT AREA
100u" TIN TAIL AREA ----- COMPATIBLE RoHS

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

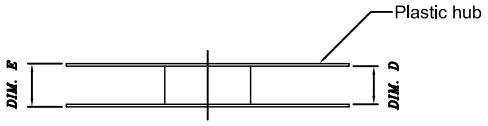
mat'l. code —	surface ISO 1302 58	tolerance ISO 406 ISO 1101	projection	product family PCI_EXPRESS		
ltr	ecn no	dr	date	tolerances unless otherwise specified		title
H	-	-	-	angles 0°±2°	linear .X±.2 .XX±.13 XXX±.05	MM scale 2	PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)
dr	MAGGIE_WU	06'/6/21		dwg no 10061913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

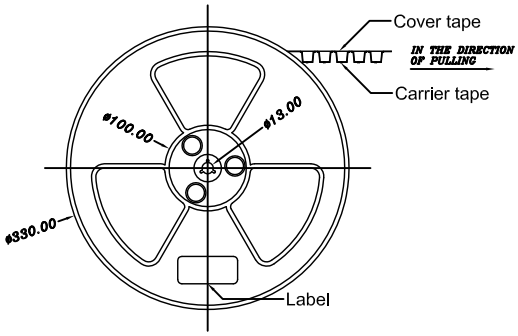
sheet index | revision sheet





COMPOSITION OF PACKAGING





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 ISO 1302 58	tolerance ISO 406 ISO 1101	projection
–				tolerances unless otherwise specified		
ltr	ecn no	dr	date	angles	linear	.X±.3
H	–	–	–			.XX±.20
				0°±2°		XXX±.10
				dr	MAGGIE_WU	06'/6/21
				engr	RICHARD_CHIU	06'/6/21
				chr	PAUL_WANG	06'/6/21
				appd	JOSEPH_HSIA	06'/6/21

MM

scale 1

product family: PCI_EXPRESS

title: PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)

dwg no 10061913 | sheet 5 of 6 | size A4

type CUSTOMER Drawing

sheet index	revision sheet																						

form: A4

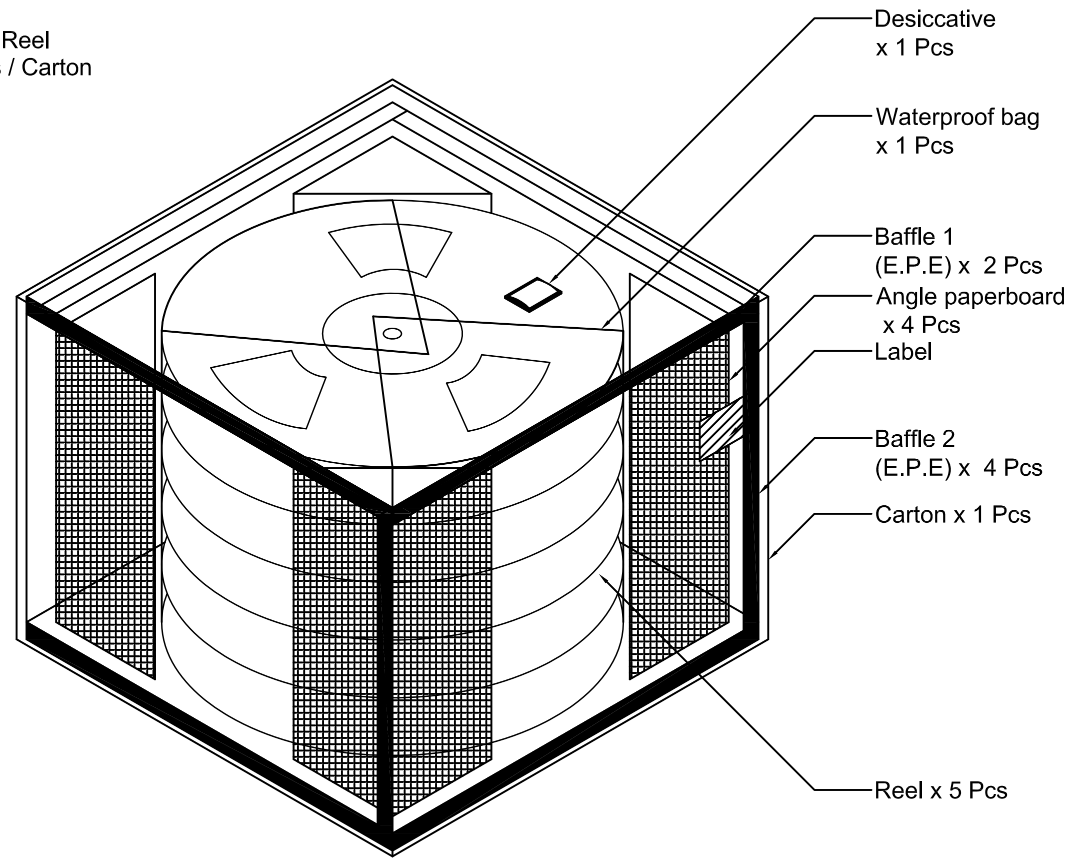
PDM: Rev:H STATUS:Released Printed: Jun 28, 2010

I 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 : Ø330 x T50.5 mm
  - 3.1.2 Cover tape : 5690(L) x 37.4(W) mm
  - 3.1.3 Carrier tape : 5640(L) x 44(W)mm
- 3.2 Waterproof bag : 600(H) x 465(W) x 0.06(T) mm
- 3.3 Desiccative : 25 gram / Package
- 3.4 Carton : 380(L) x 380(W) x 300(H) mm
- 3.5 Baffle (1): 370(L) x 370(W) x 15(H) mm
- 3.6 Baffle (2): 355(L) x 252(W) x 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: ISO 1302, 58	tolerance: ISO 406, ISO 1101	projection	product family: PCI_EXPRESS		
ltr / ecn no / dr / date: H / – / – / –	tolerances unless otherwise specified		MM	title: PCI_EXPRESS_CARD_EDGE ASSEMBLY(SMT)		
	angles: 0°±2°	linear: .X±.3, .XX±.20, XXX±.10	scale 1			
	dr	MAGGIE_WU	06'/6/21	dwg no: 10061913	sheet 6 of 6	size A4
	engr	RICHARD_CHIU	06'/6/21			
	chr	PAUL_WANG	06'/6/21			
	appd	JOSEPH_HSIA	06'/6/21	type: CUSTOMER Drawing		

sheet index | revision sheet

form: A4

PDM: Rev:H STATUS:Released Printed: Jun 28, 2010