

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC
- 2.TERMINAL: COPPER ALLOY
- 3.MID PLATE: STAINLESS STEEL
- 4.FRONT SHELL: STAINLESS STEEL
- 5.O-RING: SILICA GEL BLACK
- 6.GLUE:EPOXY,BLACK

2.PLATING SPECIFICATION:

2-1.TERMINAL:

- Ni 50u" MIN. UNDER PLATED OVER ALL.
Au G/F PLATED ON THE CONTACT AREA
Au G/F PLATED ON THE SOLDER AREA

2-2. SHELL:

- Ni 50u" MIN. UNDER PLATED OVER ALL.

2-3.MID PLATE:

- CLEAR ONLY

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 0.5~2.0kgf.
3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4-1. VOLTAGE RATING:5 V DC/AC (RMS. max)
CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;
4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mA.
4-3.INSULATION RESISTANCE: 100M Ω MIN
4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

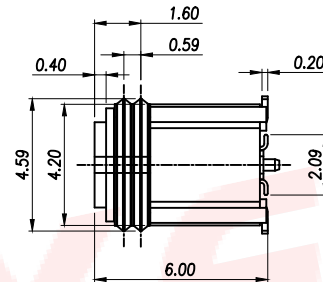
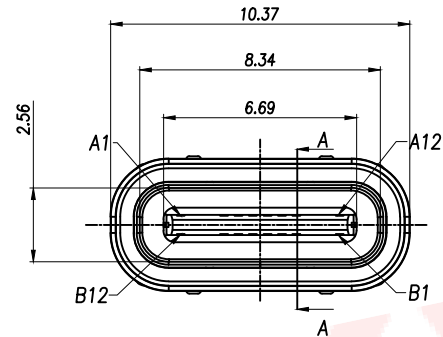
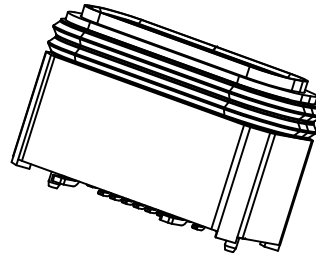
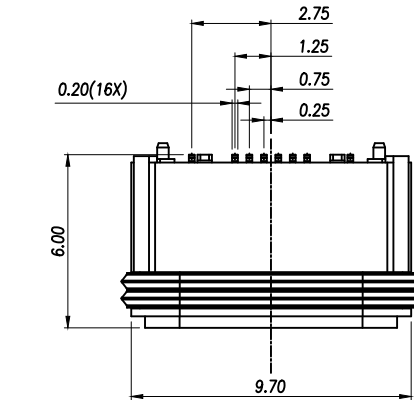
5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -40°C~+85°C.

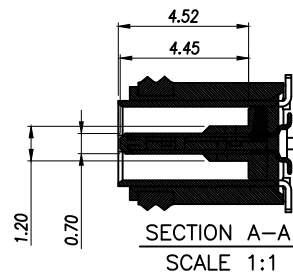
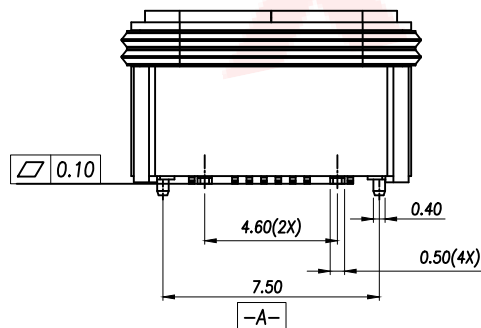
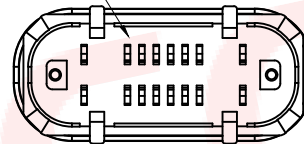
6.IR REFLOW:

- THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

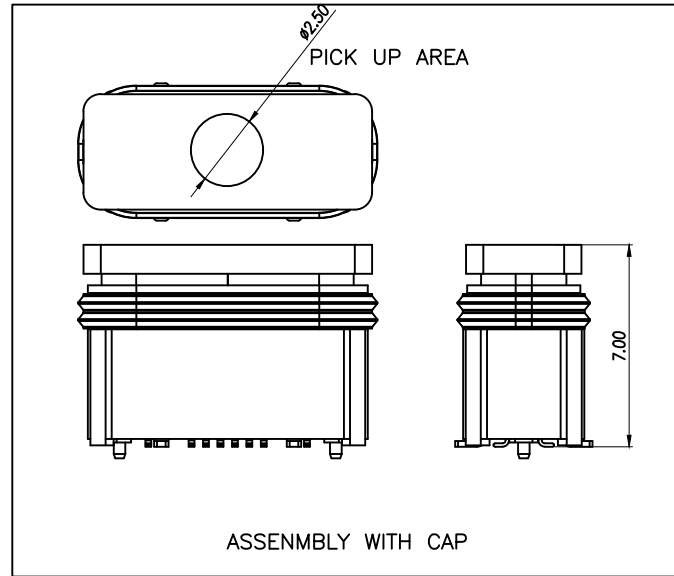
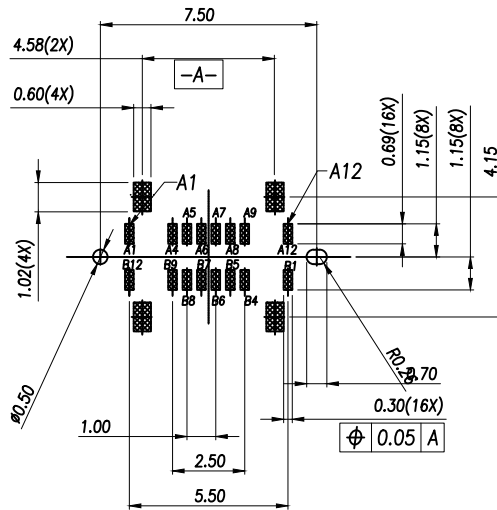
7.WATERPROOF:IPX5



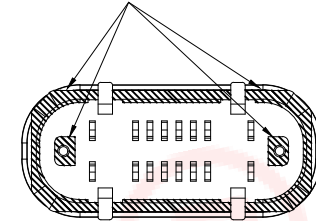
POSITION OF GLUE



DIMENSION IN mm		厦门市辛译精密电子有限公司 Xiamen XinYi Xyconn Electronics Co.,Ltd			
TOLERANCE UNLESS OTHERWISE SPECIFIED		APR.	CHK.	DRA.	TITLE: USB TYPE C 16pos VERTIACL H=6.0mm IPX5 DWG NO. TYPE-C-C31-2TDY5H060 PROJ.  CUSTOMER DRAWING SIZE A4 SCALE 1:1 SHEET 1/1 REV. A
.X $\pm$ 0.30	X.* $\pm$ 5°	Alex	Jack	Can	
.XX $\pm$ 0.20	.X.* $\pm$ 3°				
.XXX $\pm$ 0.10	.XX.* $\pm$ 2°				



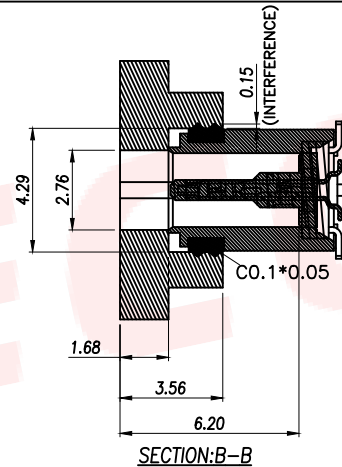
THERE IS SOME GLUE ON THE MAKE AREA(MAY BE)
IT IS NOT AFFECT SOLDERING



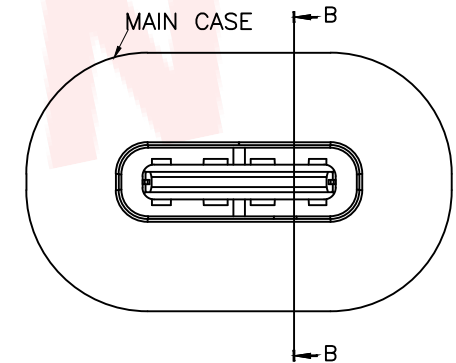
RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05

USB TYPE-C PIN ASSIGNMENTS

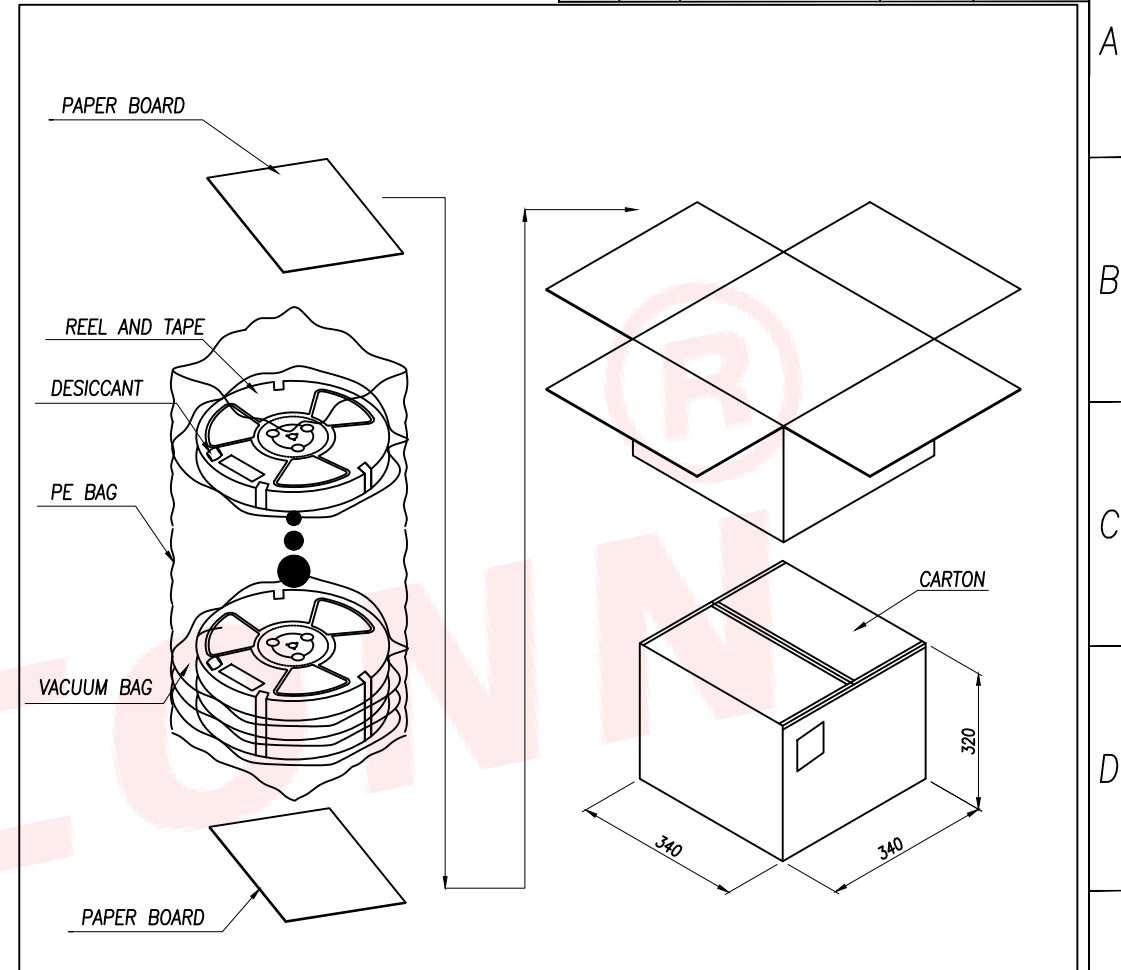
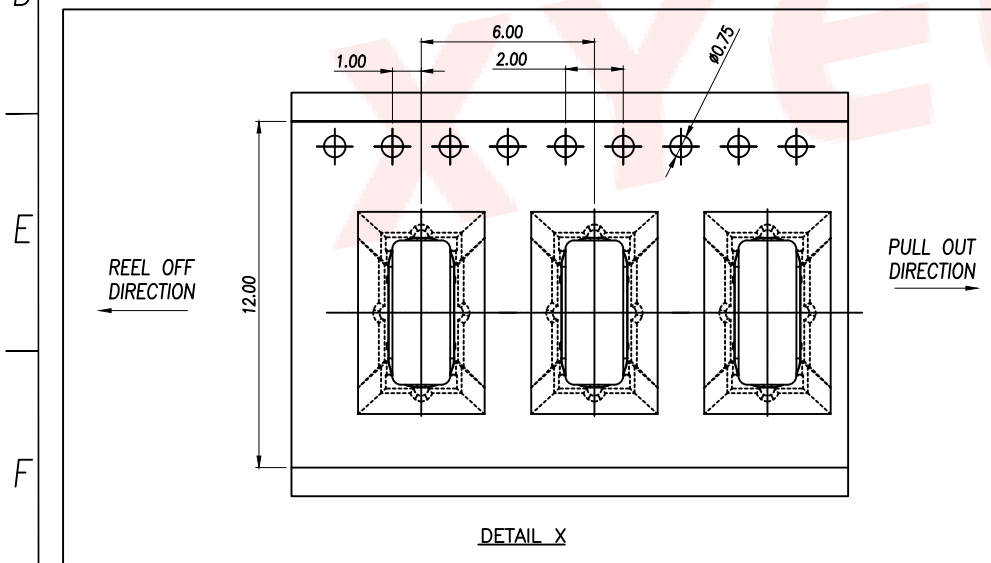
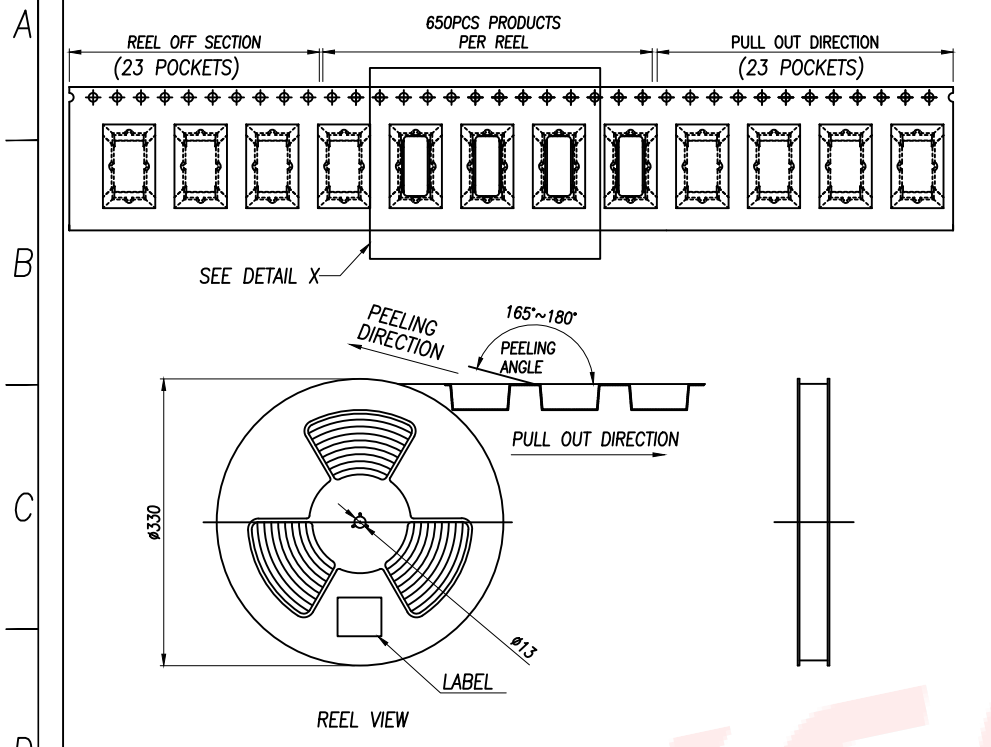
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A12	GND	B1	GND



RECOMMENDED OPENING DIMENSIONS
OF CASE MATING AREA WITH SEALING RING



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.X±0.30	.X*±5°	CHK.	Jack	DWG NO. TYPE-C-C31-2TDY5H060	
.XX±0.20	.X*±3°	DRA.	Can	CUSTOMER DRAWING	
.XXX±0.10	.XX*±2°	SIZE	A4	SCALE	1:1
		SHEET	1/1	REV.	A



	REEL/TRAY	CARTON
CONNECTOR (PCS)	650	6500

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.XXX±0.10	.XX.*±2°	DRA.	Can	PROJ.  CUSTOMER DRAWING	
SIZE A4	SCALE 1:1	SHEET 1/1	REV. A		