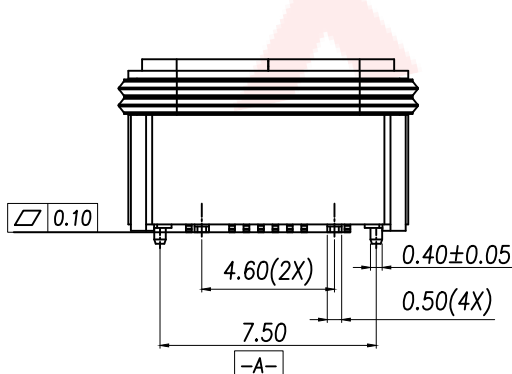
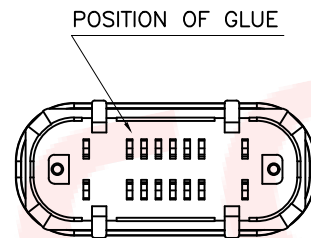
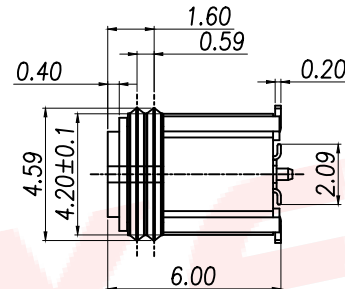
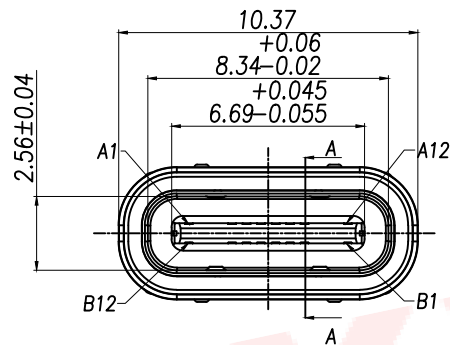
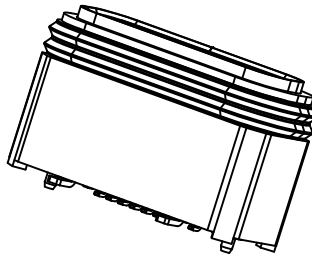
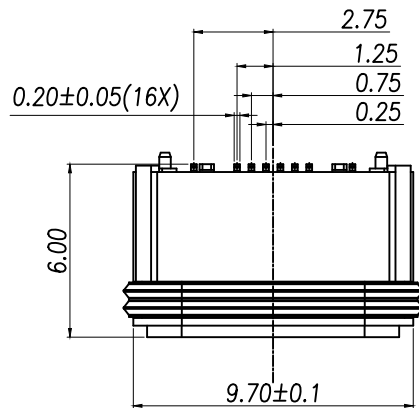


NOTE:

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 3u" 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: 5V.
- CURRENT RATING: 5A.

4-2. LLCR:

- VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
- LLCR MAX. CHANGE OF ALL PINS: 10mA.

4-3.INSULATION RESISTANCE: 100MΩ MIN

4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -40°C~+85°C.

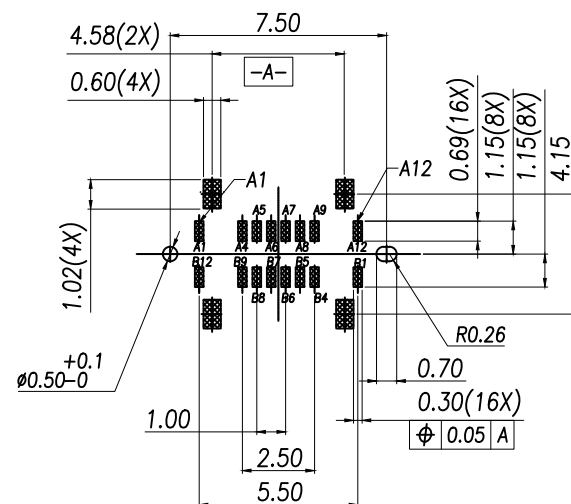
6.IR REFLOW:

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

7.WATERPROOF:IPX5

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-C31S-2TDY5H060 PROJ.  CUSTOMER DRAWING SIZE A4 SCALE 1:1 SHEET 1/1 REV. A
.X±0.30	X.*±5°	Alex	Jack	Can	
.XX±0.20	.X.*±3°				
.XXX±0.10	.XX.*±2°				

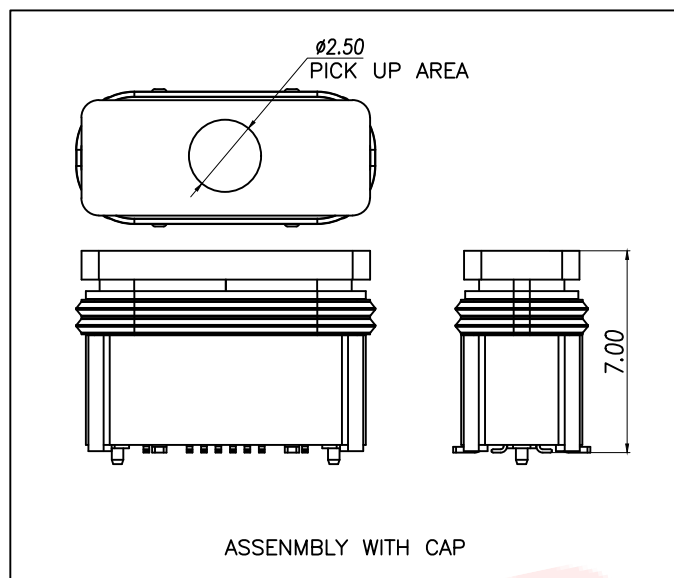
THERE IS SOME GLUE ON THE MAKE AREA(MAY BE)
IT IS NOT AFFECT SOLDERING



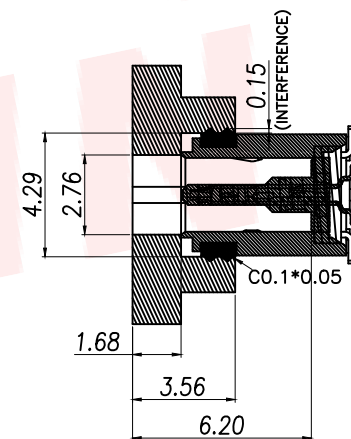
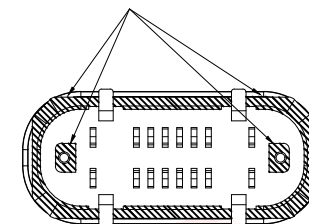
RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.8 ± 0.10 MM; DEFAULT TOLERANCE: ± 0.05

USB TYPE-C PIN ASSIGNMENTS

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1



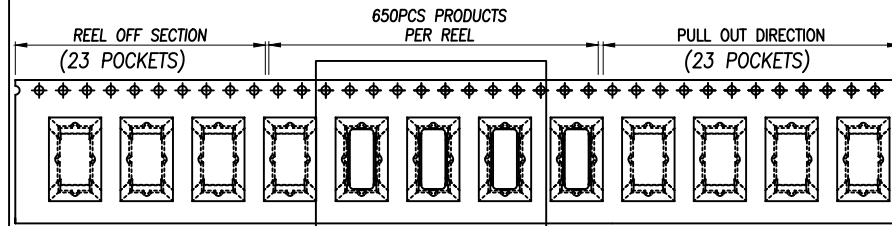
ASSEMBLY WITH CAP



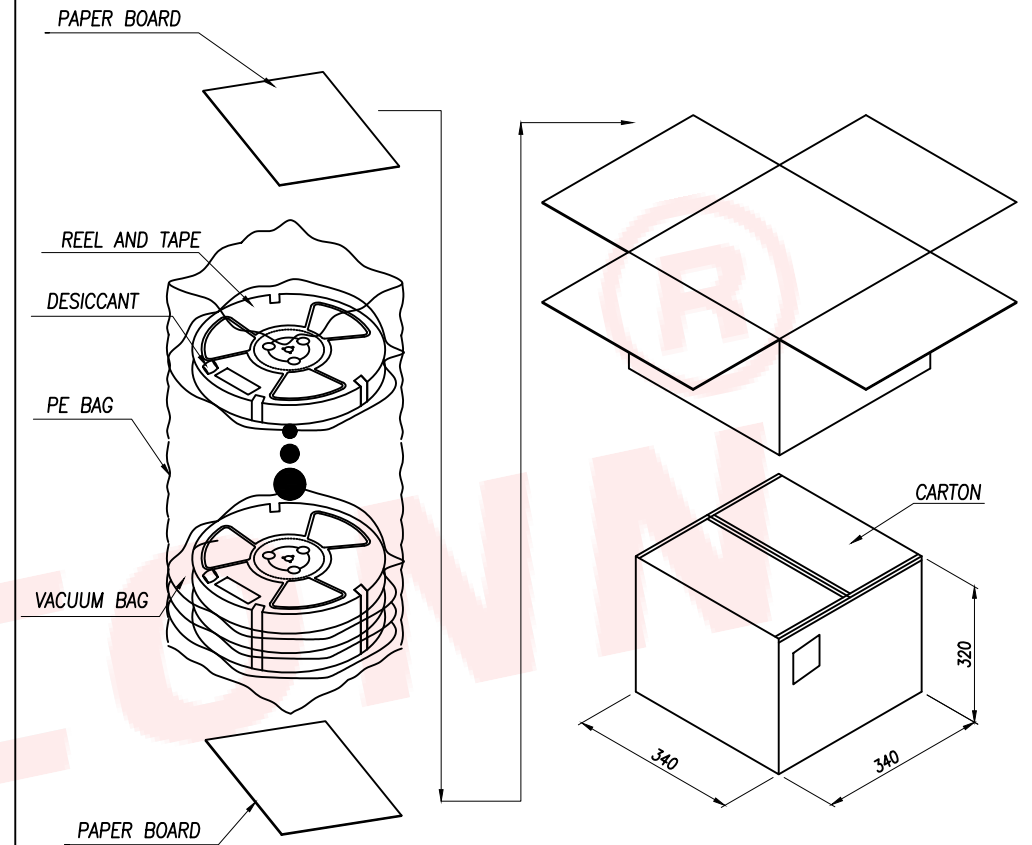
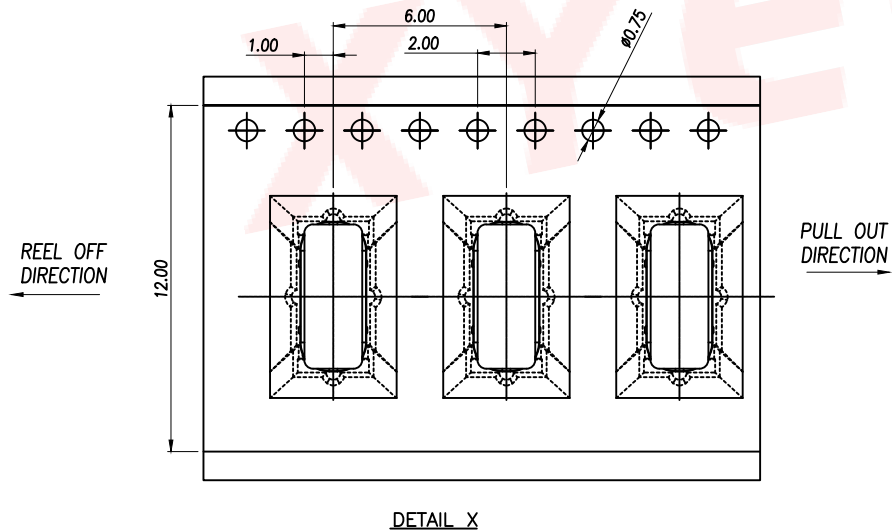
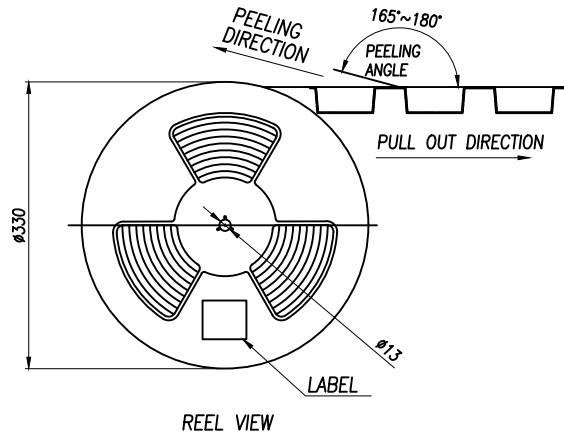
SECTION: B-B

RECOMMENDED OPENING DIMENSIONS
OF CASE MATING AREA WITH SEALING RING

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						
.X±0.30	X.*± 5°	APR.	Alex	TITLE: USB TYPE C 16pos VERTIACL H=6.0mm IPX5		
.XX±0.20	.X*± 3°	CHK.	Jack	DWG NO. TYPE-C-C31S-2TDY5H060		
.XXX±0.10	.XX*± 2°	DRA.	Can	PROJ. 		CUSTOMER DRAWING
				SIZE A4	SCALE 1:1	SHEET 1/1



SEE DETAIL X



	REEL/TRAY	CARTON
CONNECTOR (PCS)	650	6500

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					
.X±0.30	X.*±5°	APR.	Alex	TITLE: USB TYPE C 16pos VERTIACL H=6.0mm IPX5	
.XX±0.20	.X.*±3°	CHK.	Jack	DWG NO. TYPE-C-C31S-2TDY5H060	
.XXX±0.10	.XX.*±2°	DRA.	Can	PROJ. CUSTOMER DRAWING	
SIZE A4	SCALE 1:1	SHEET 1/1	REV. A		