

申明：凡是没有产品料号或有“PRELIMINARY”标示的产品图块为临时图面暂不能生产/DECLARATION: ALL PRODUCT DRAWINGS WITHOUT THE PART NUMBER OR WITH “PRELIMINARY” LABEL ARE TEMPORARY DRAWINGS CAN NOT BE PRODUCED

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
A	---	INITIAL RELEASED	2022.03.08	Ne.O.Liu

NOTE:

1. MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.CONTRACTS:COPPER ALLOY
- 3.MID PLATE: STAINLESS STEEL
- 4.FRONT SHELL: STAINLESS STEEL
- 5.EMI PLATE: STAINLESS STEEL

2.PLATING SPECIFICATION:

2-1.CONTRACTS:

Ni 50 $\mu$  MIN. UNDER PLATED OVER ALL.  
AU PLATED ON THE FUNCTIONAL AREA OF CONTACT.

(GOLD PLATING THICKNESS FOLLOW THE P/N)  
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N

2-2,FRONT SHELL:

Ni 30 $\mu$  MIN. UNDER PLATED OVER ALL.  
Ni 30 $\mu$  MIN. UNDER PLATED OVER ALL.

2-3,MID PLATE:

Ni 30 $\mu$  MIN. UNDER PLATED OVER ALL.  
Sn 80 $\mu$  MIN. PLATED OVER ALL

2-4,EMI 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: 1000 CYCLES.

4.ELECTRICAL PERFORMANCE,

4-1. CURRENT RATING:5.0A

VOLTAGE RATING:5.0V

4-2. LLCR:

VBUS & GND PINS AND OTHER PINS: 40m $\Omega$ /PIN MAX.

SHIELD: 50m $\Omega$ /MAX.

LLCR MAX. CHANGE OF ALL PINS: 10m $\Omega$ .

4-3,INSULATION RESISTANCE: 100M $\Omega$  MIN

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

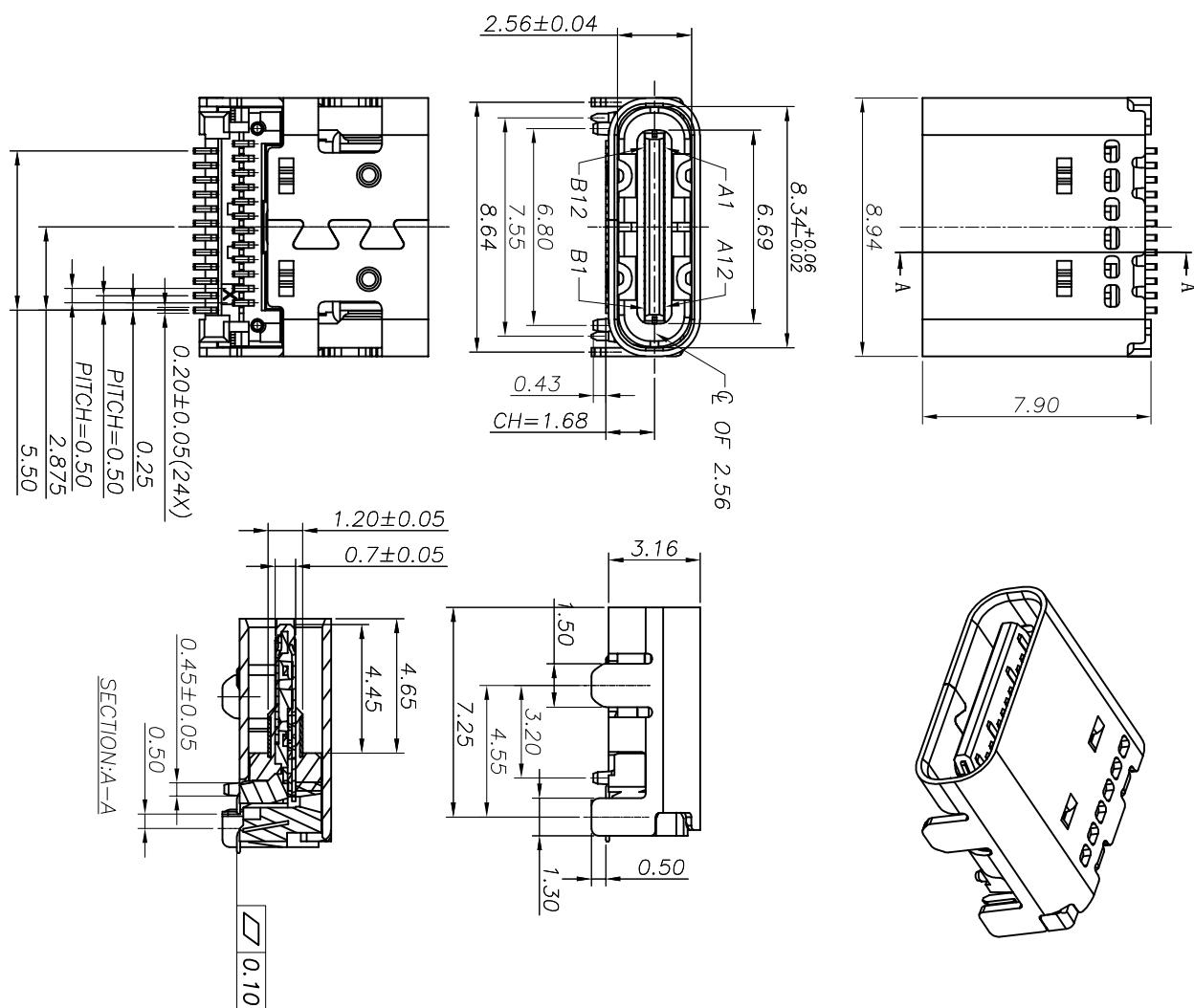
5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

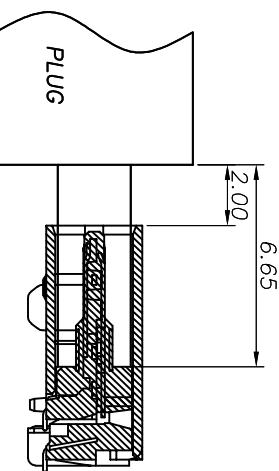
THE PEAK TEMPERATURE ON THE BOARD SHALL  
BE MAINTAINED FOR 10 SECONDS AT 260°C.

7.TID NUMBER:2780



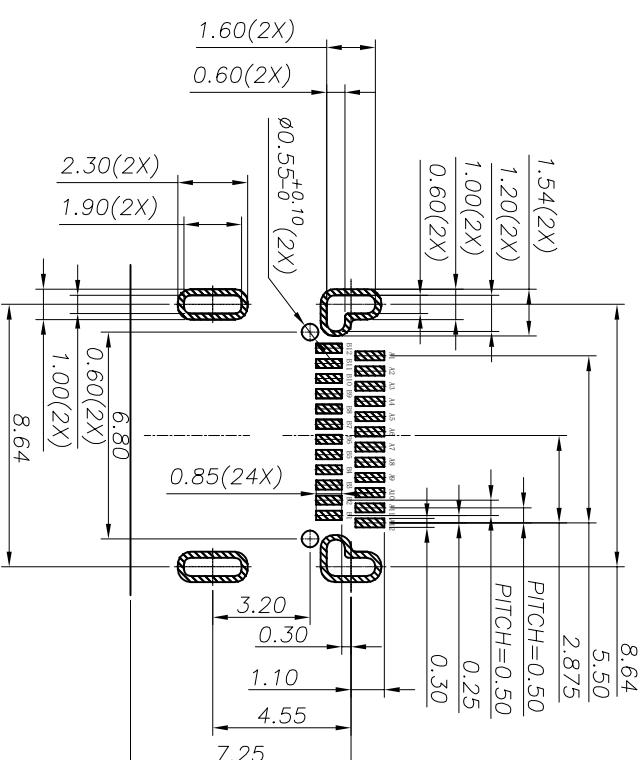
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USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME
A1	GND
A2	TXp1
A3	TXn1
A4	VBUS
A5	CC1
A6	Dp1
A7	Dn1
A8	SBU1
A9	VBUS
A10	RXn2
A11	RXp2
A12	GND

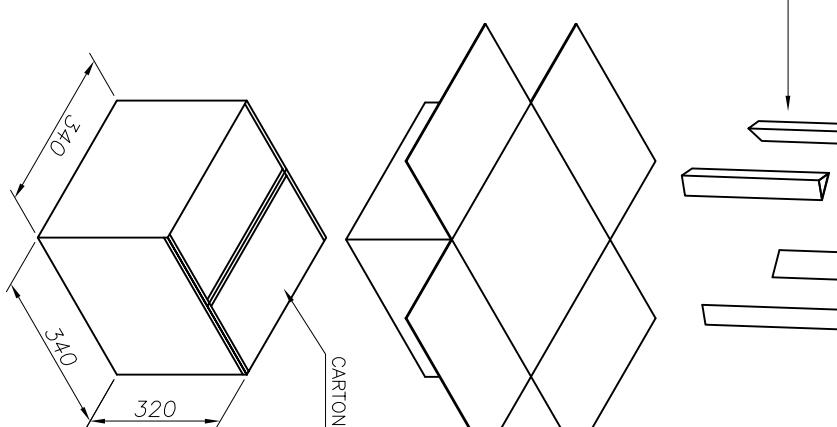
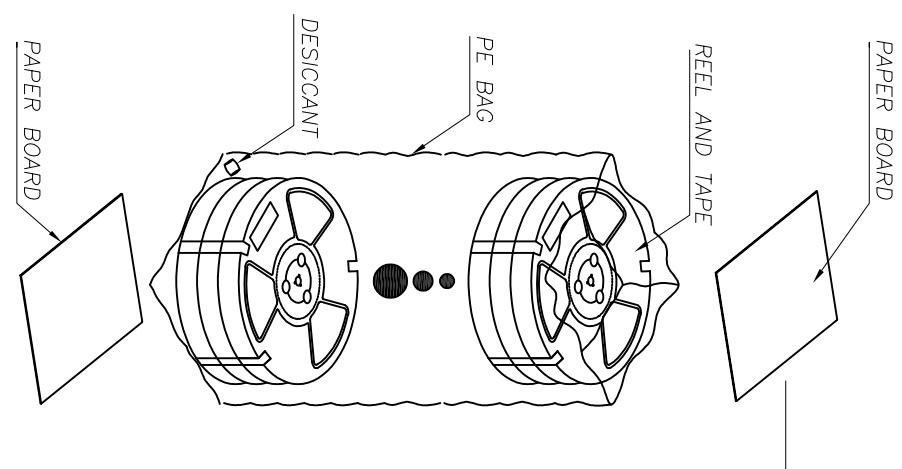
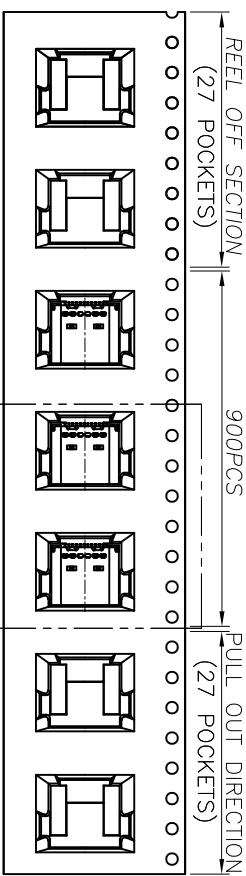
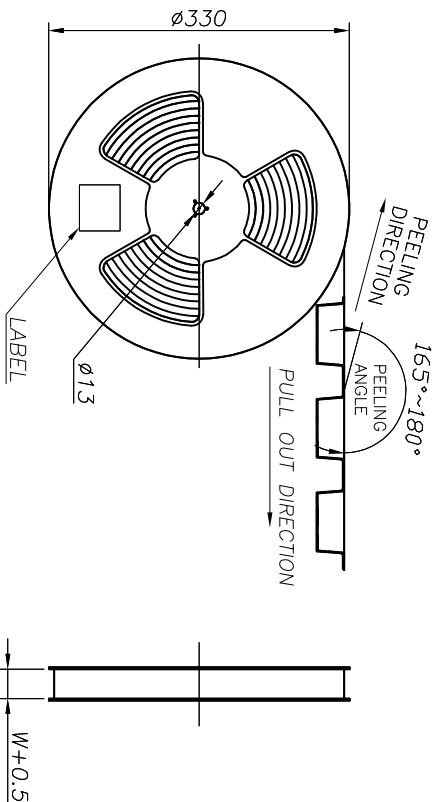
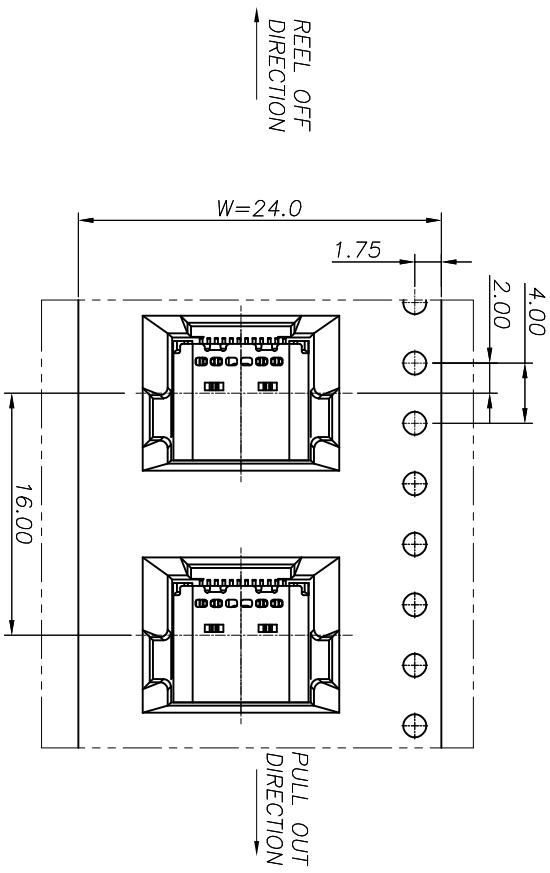


RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.60MM;DEFAULT TOLERANCE:±0.05

TOLERANCE	NAME(INTENDED USE) CUSTOMER DRAWING	广东富盈兴业精密科技实业有限公司 Guangdong FUYING PRECISION TECHNOLOGY INDUSTRIAL CO.,LTD.
X.X	±0.30 X: ±10°	PART NO.
.XX	±0.20 X: ±8°	SEE TABLE1
.XXX	±0.10 .XX: ±5°	TITLE: USB CF 24PIN SMT TYPE TOP MOUNT WITH POST
UNITS	mm	DRAWING NO. FY23-011TC24F179-01
MATERIAL	CHEM:	
FINISH	APPD:	SCALE SHEET REV. 1:1 2/3 A

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TOLERANCE	NAME(INTENDED USE) CUSTOMER DRAWING	REEL	CARTON
X.X ±0.30 X: ±10° .XX ±0.20 X: ±8° .XXX ±0.10 .XX: ±5°	PART NO. SEE TABLE 1 DESIGN: Neo.Liu	900	9000

TITLE: USB CF 24PIN SMT TYPE  
TOP MOUNT WITH POST

DRAWING NO.  
FYY23-011TC242F179-01

SCALE SHEET REV.

1:1 3/3 A