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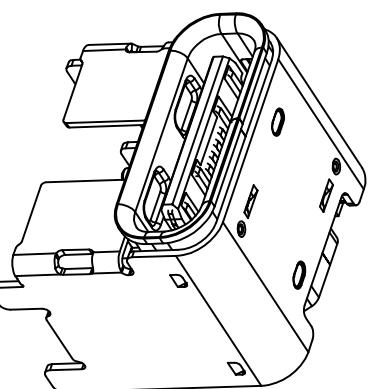
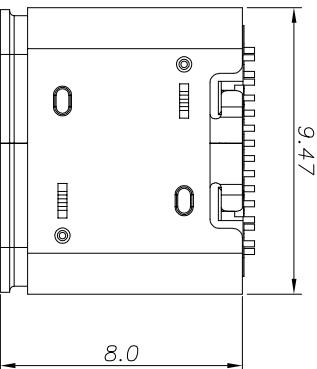
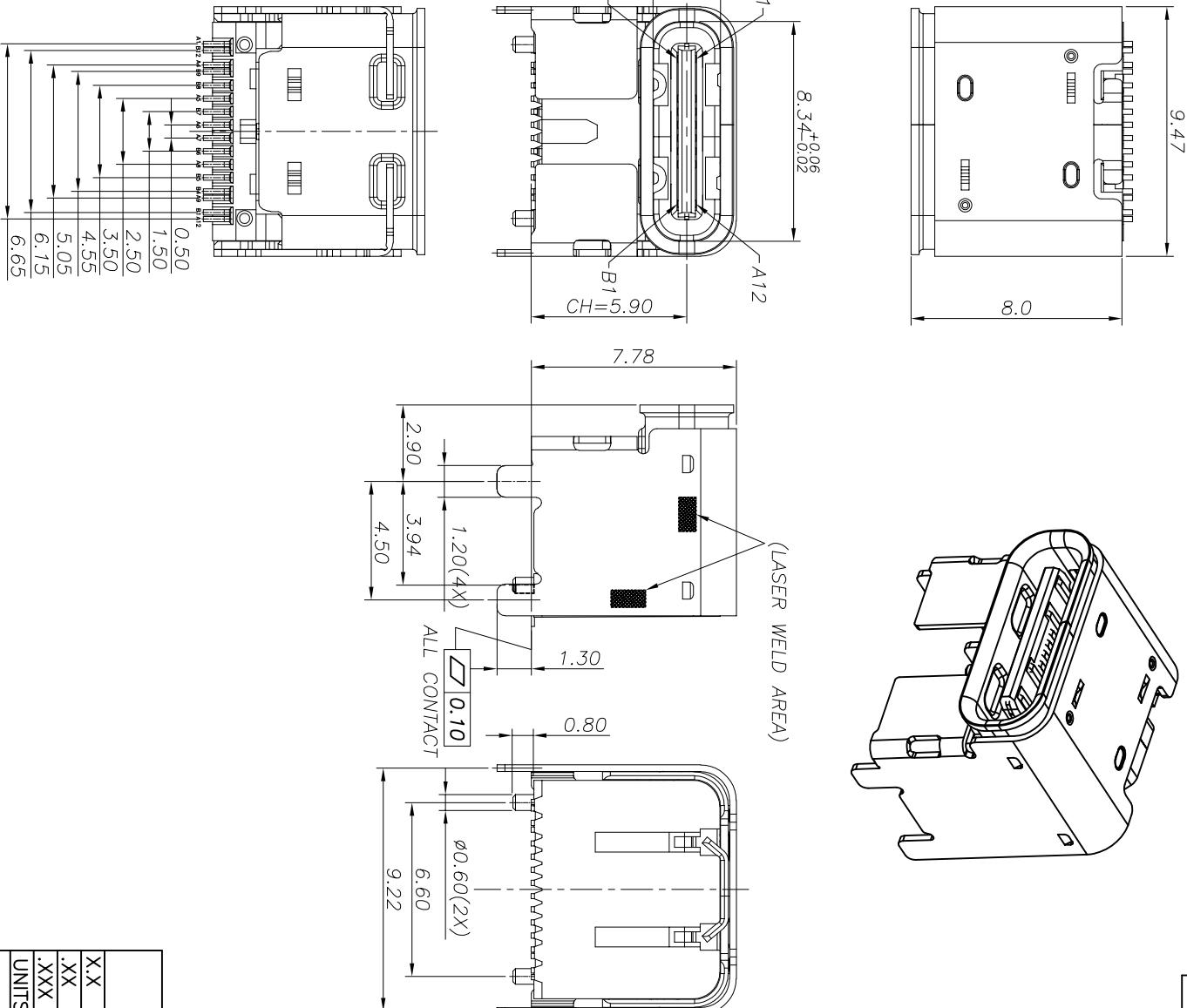
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REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
A	ECN NO.	INITIAL RELEASED	2022.03.08	Neo.Liu

#### NOTE:

- MATERIAL SPECIFICATION:
  - HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
  - TERMINAL:COPPER ALLOY (C1814)
  - MID PLATE: STAINLESS STEEL (SUS301)
  - FRONT SHELL: STAINLESS STEEL (SUS304)
  - TOP SHELL: STAINLESS STEEL (SUS304)

#### 2.PLATING SPECIFICATION:

##### 2-1.CONTACTS:

Ni 50μ 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&TOP SHELL:

Ni 30μ 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;  
1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.

##### 4-2. LLCR:

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

LLCR MAX. CHANGE OF ALL PINS: 10mΩ.

4-3. INSULATION RESISTANCE: 100MΩ MIN

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

#### 5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

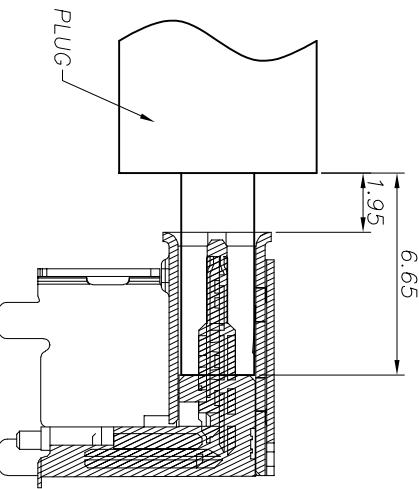
6.IR REFLOW:  
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

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: ±1° PART NO. -----	TITLE: USB C F 16PIN SMT
XX ±0.20	X: ±8° -----	CH=5.9
XXX ±0.10	.XX: ±5°	
UNITS mm	DESIGN: Neo.Liu	DRAWG NO. FY23-011TC162F779-59
MATERIAL	CHED:	
FINISH	APPD:	SCALE 1:1 SHEET 1/3 REV. A

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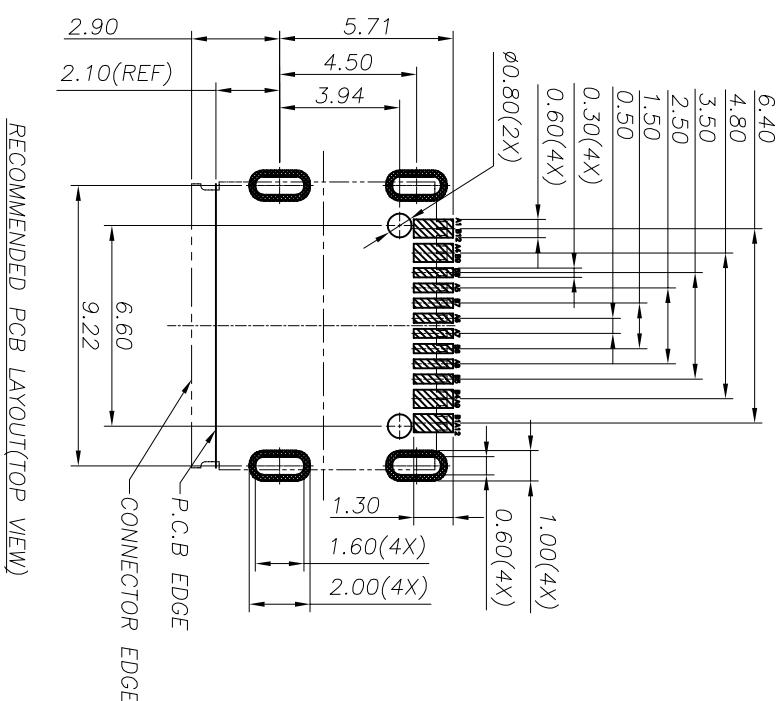
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AFTER MATING

## USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME
A1	GND
A4	V <sub>BUS</sub>
A5	CC1
A6	D <sub>p1</sub>
A7	D <sub>n1</sub>
A8	SBU1
A9	V <sub>BUS</sub>
A12	GND
B1	GND
B4	V <sub>BUS</sub>
B7	D <sub>n2</sub>
B8	SBU2
B9	V <sub>BUS</sub>
B12	GND



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 .XX .XXX	X: ±0.30 ±0.20 ±0.10	X: ±10° ±8° ±5°
UNITS	mm	PART NO. -----
MATERIAL	CHEM:	TITLE: USB C F 16PIN SMT CH=5.9
FINISH	APPD:	DRAWG NO. FY23-011TC162F779-59

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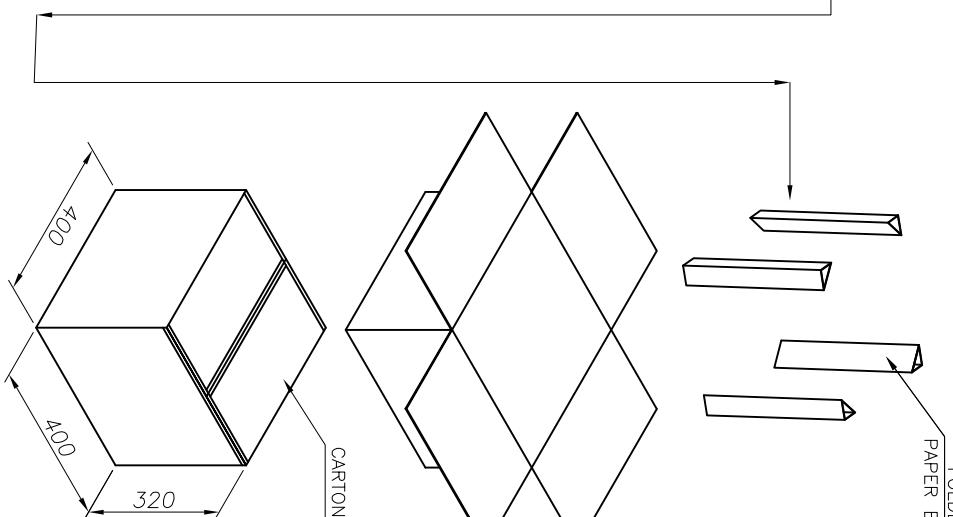
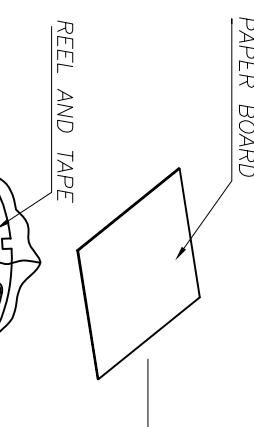
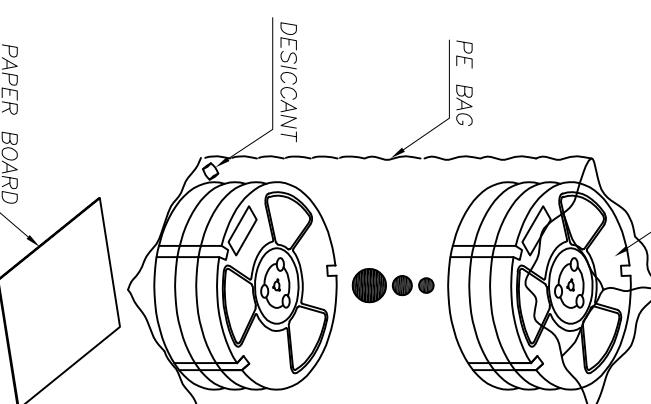
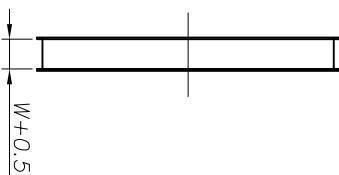
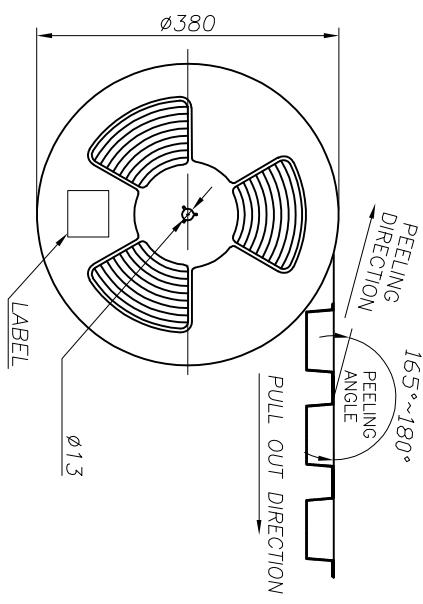
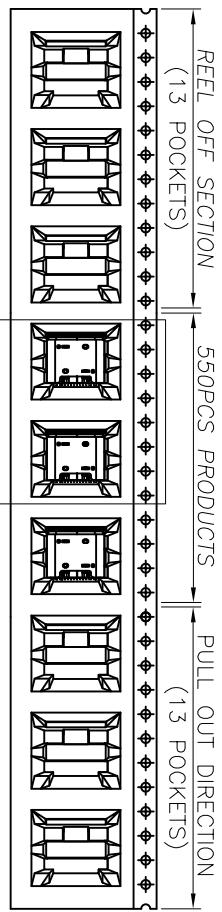
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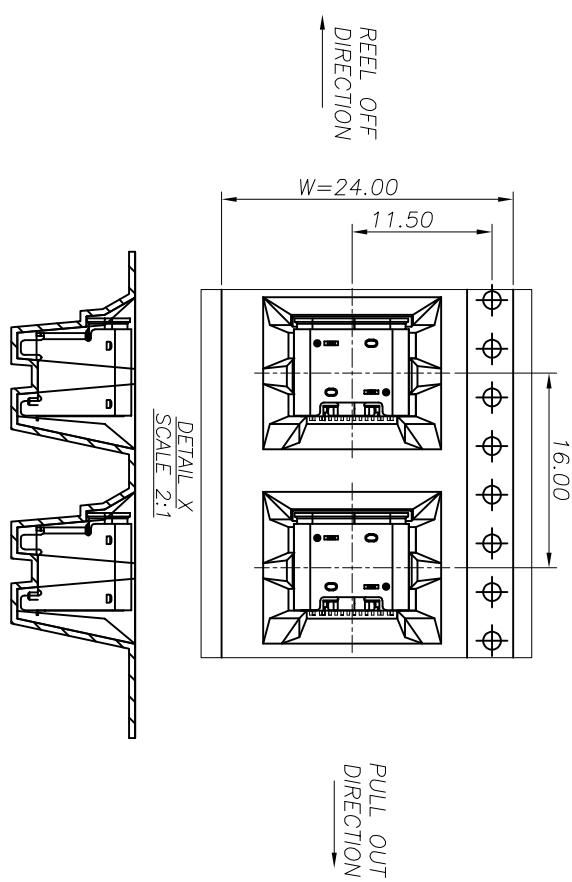
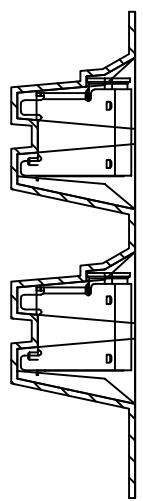
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TOLERANCE	NAME(INTENDED USE) CUSTOMER DRAWING	REEL	CARTON
X.X	±0.30 X: ±10° .XX ±0.20 .X: ±8° .XXX ±0.10 .XX: ±5°	PART NO. -----	550
UNITS	mm	DESIGN:	Neo.Liu
MATERIAL	CHED:	DRAWNG NO.	FY23-011TC162F779-59
FINISH	APPD:	SCALE	1:1
		SHEET	3/3
		REV.	A



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. -----	550
UNITS	mm	DESIGN:	Neo.Liu
MATERIAL	CHED:	DRAWNG NO.	FY23-011TC162F779-59
FINISH	APPD:	SCALE	1:1
		SHEET	3/3
		REV.	A