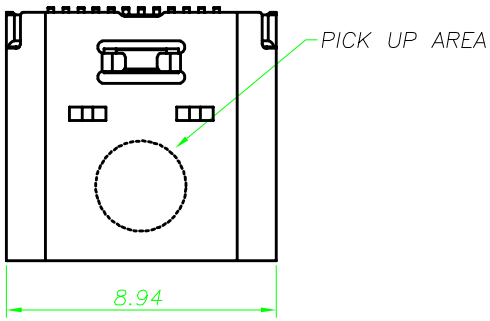
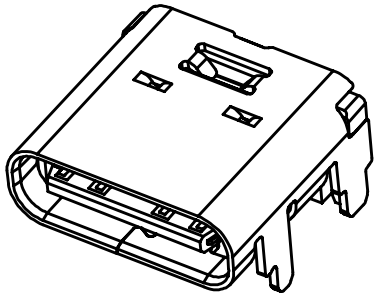
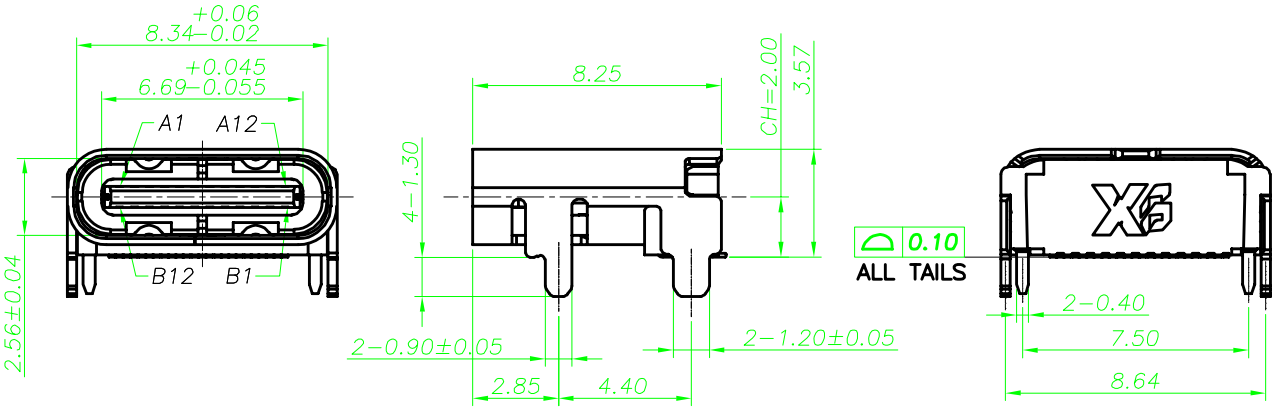
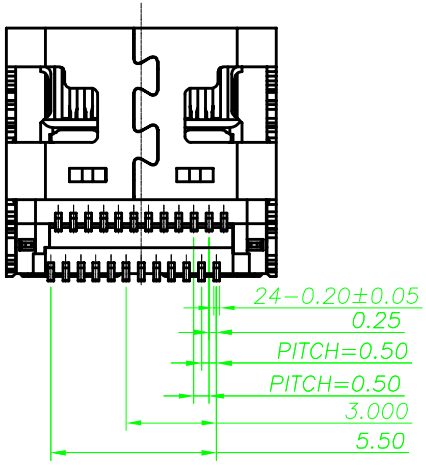
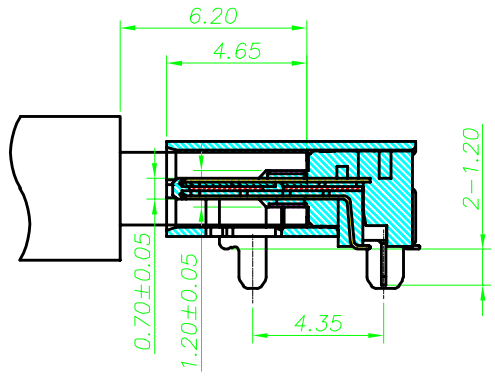
REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
03	ECN NO.	ADD THE PACKING DRAWING	2022.11.01	Neo.Liu
04	ECN NO.	UPDATE THE DRAWING	2022.11.17	Neo.Liu











ASSEMBLY WITH PLUG

NOTE:

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

2.PLATING SPECIFICATION:

2−1.CONTACTS:
Ni 50u" 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.SHELL:
Ni 30u" MIN. UNDER PLATED OVER ALL.

2−3.MID PLATE:
Ni 30u" MIN. UNDER PLATED OVER ALL.
Sn 80u" MIN. PLATED OVER ALL

2−4.EMI PLATE:
Ni 50u" MIN. UNDER PLATED OVER ALL.

3.MECHANICAL PERFORMANCE,
- 3−1.INSERTION FORCE: 0.5−2.0kgf.
- 3−2.REMOVAL FORCE: 0.8kgf−2.0kgf.
- 3−3.DURABILITY: 10000 CYCLES.

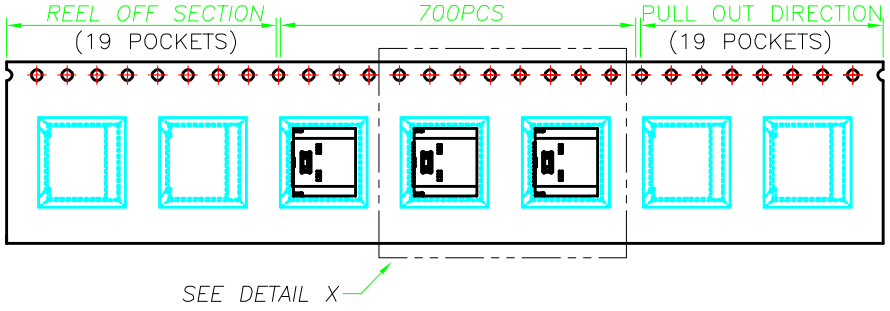
4.ELECTRICAL PERFORMANCE,
- 4−1. CURRENT RATING:5.0A
  VOLTAGE RATING:5.0V
- 4−2. LLCR:
  VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
  LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 4−3.INSULATION RESISTANCE: 100MΩ MIN
- 4−4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

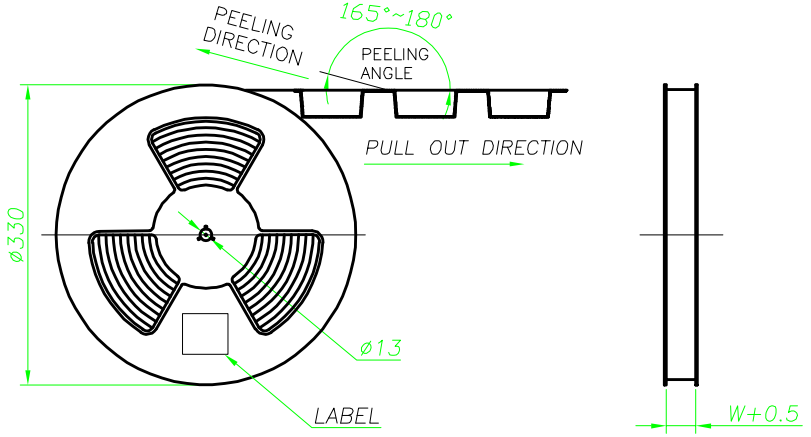
5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: −25℃~+85℃.

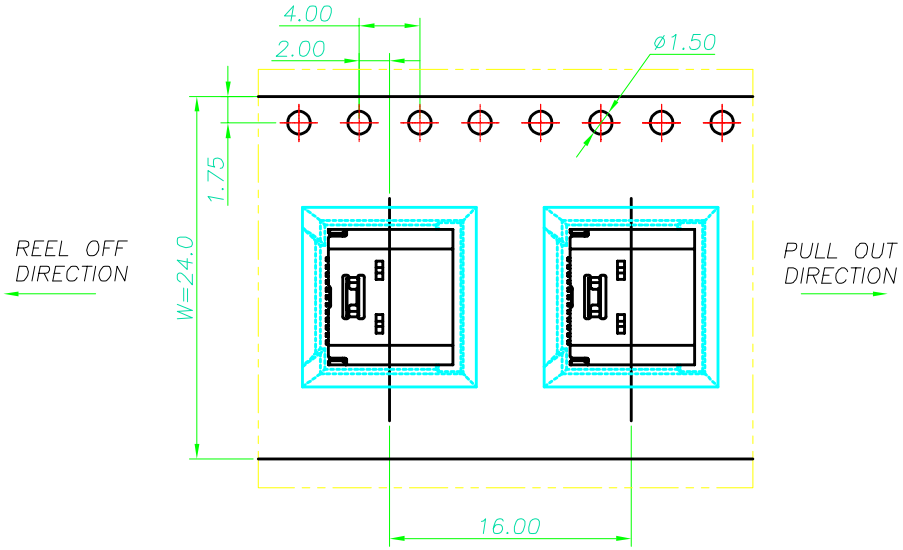
6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

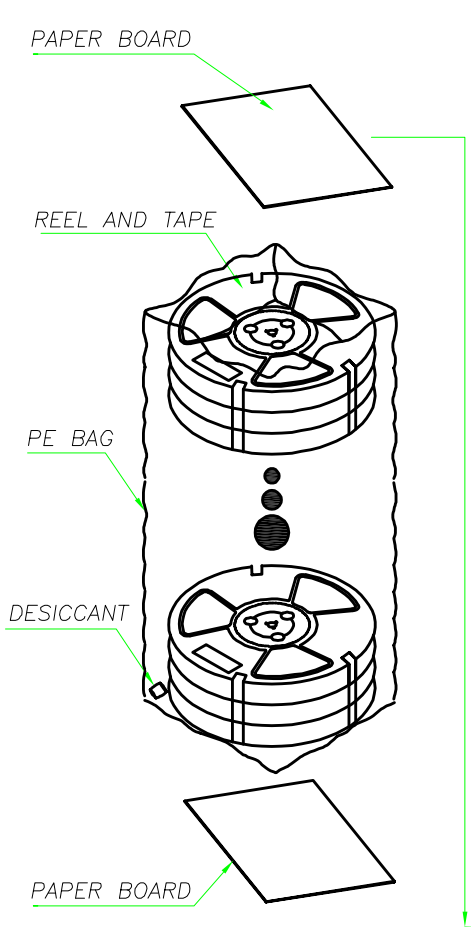
TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONI CS CO., LTD.		
X.X ±0.30	X.° ±10°	PART NO.	TITLE: USB4.0 CF 24PIN TOP MOUNT SMT CH=2.0		
.XX ±0.20	.X° ± 8°				
.XXX ±0.10	.XX° ± 5°	DESIGN: Neo.Liu	DRAWG NO. XB−ACF033−2R		
UNITS	mm		SCALE	SHEET	REV.
MATERILA		CHED:	1:1	1/3	04
FINISH		APPD:			

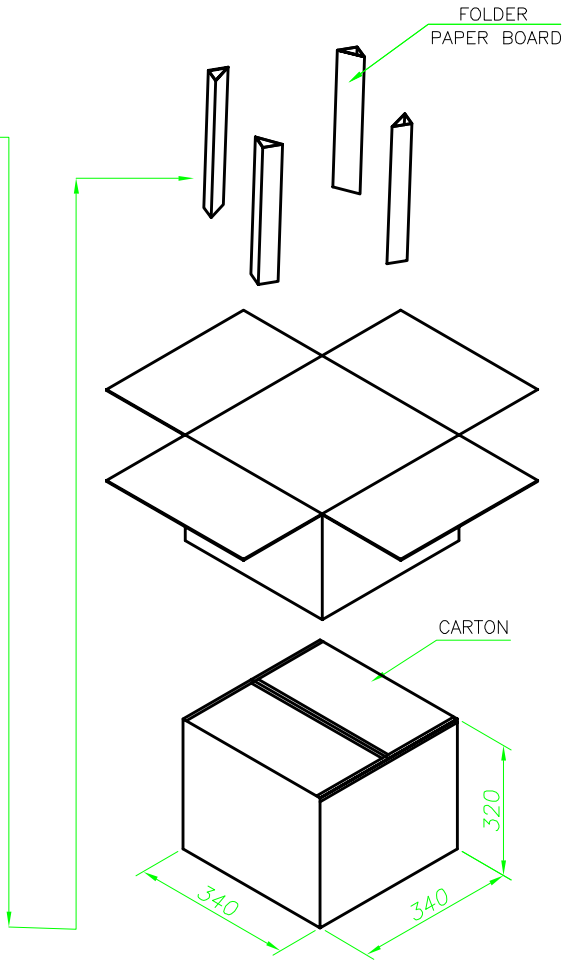
REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
03	ECN NO.	ADD THE PACKING DRAWING	2022.11.01	Neo.Liu
04	ECN NO.	UPDATE THE DRAWING	2022.11.17	Neo.Liu











	REEL	CARTON
CONNECTOR (PCS)	700	7000

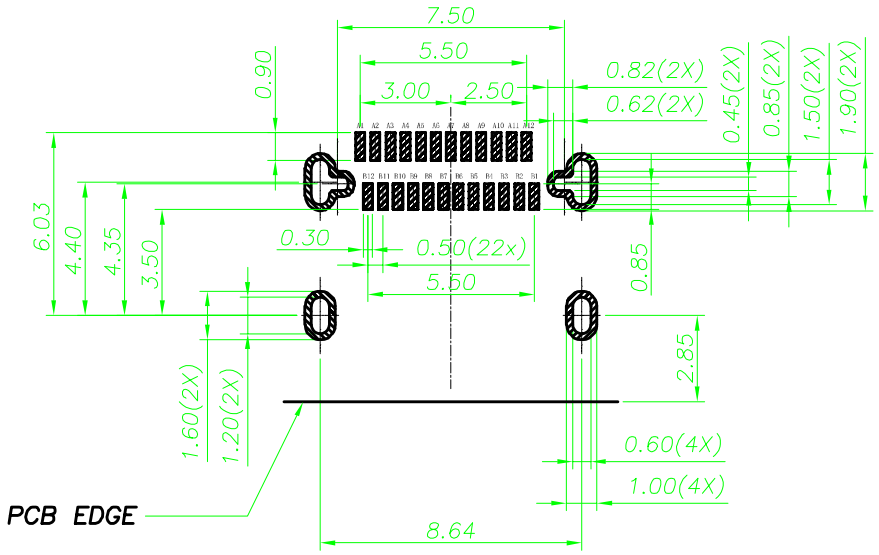
TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONI CS CO., LTD.
X.X ±0.30	X.° ±10°	PART NO.	TITLE: USB4.0 CF 24PIN TOP MOUNT SMT CH=2.0
.XX ±0.20	.X° ± 8°		
.XXX ±0.10	.XX° ± 5°	DESIGN: Neo.Liu	DRAWG NO. XB-ACF033-2R
UNITS	mm	CHED:	SCALE 1:1 / SHEET 3/3 / REV. 04
MATERILA		APPD:	
FINISH			

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
03	ECN NO.	ADD THE PACKING DRAWING	2022.11.01	Neo.Liu
04	ECN NO.	UPDATE THE DRAWING	2022.11.17	Neo.Liu

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

PIN NUMBER	SIGNAL NAME
B12	GND
B11	RXp1
B10	RXn1
B9	VBUS
B8	SBU2
B7	Dn2
B6	Dp2
B5	CC2
B4	VBUS
B3	TXn2
B2	TXp2
B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 1.20MM;DEFAULT TOLERANCE:±0.05

ORDER INFORMTION

P/N: ACF033-2A1H1A103-0HR

- HOUSING MATERIAL — A: LCP; E: PA9T
- HOUSING COLOR — 1: BLACK
- SHELL PLATING — 1: Ni
- CONTACT MATERIAL — A: C1815
- CONTACT SOLDER AREA PLATED — 1: Au 1u"
- CONTACT FUNCTIONAL AREA PLATED — 03: Au 3u"; 15: Au 15u"; 30: Au 30u"
- H: HF

TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONI CS CO., LTD.
X.X ±0.30	X.° ±10°	PART NO.	TITLE: USB4.0 CF 24PIN TOP MOUNT SMT CH=2.0
.XX ±0.20	.X° ± 8°		
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UNITS	mm		
MATERILA		CHED:	SCALE 1:1 / SHEET 2/3 / REV. 04
FINISH		APPD:	