

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
02	ECN NO.	UPDATE THE DRAWING	2021.04.16	Neo.Liu
03	ECN NO.	UPDATE THE DRAWING	2021.12.21	Neo.Liu

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.TERMINAL:COPPER ALLOY (C1814)
- 3.MID PLATE: STAINLESS STEEL (SUS301)
- 4.FRONT SHELL: STAINLESS STEEL (SUS304)
- 5.TOP SHELL: STAINLESS STEEL (SUS304)

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.FRONT SHELL&TOP SHELL:

Ni 30u" 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.

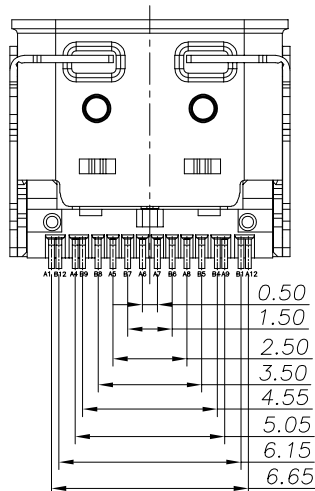
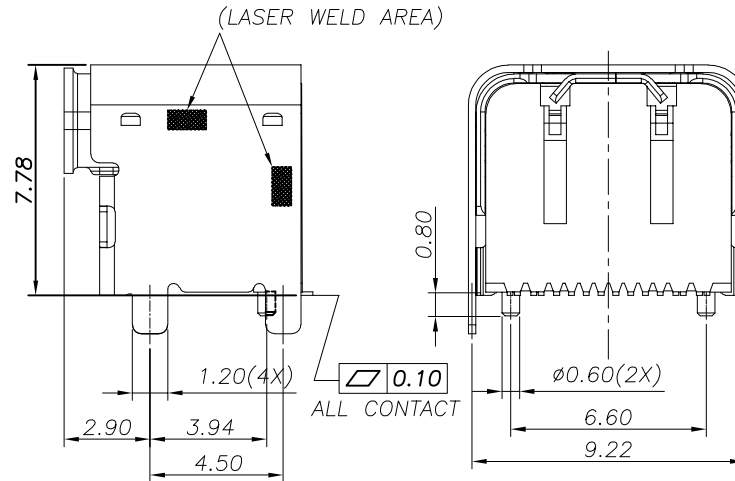
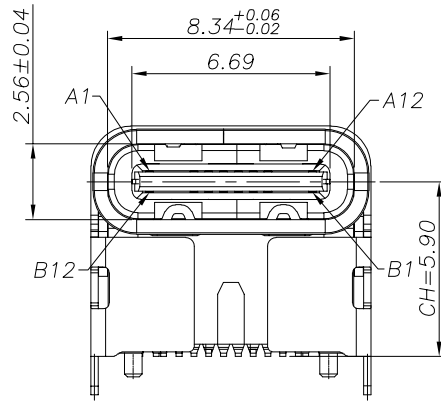
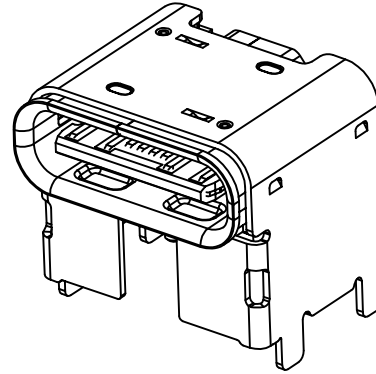
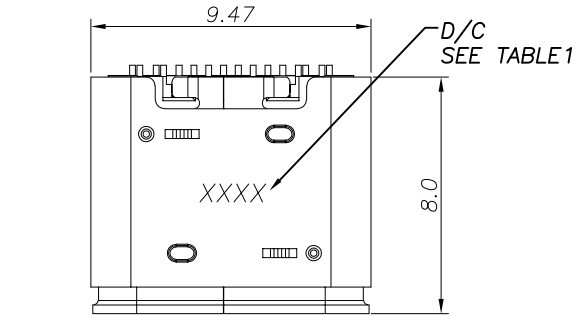
5. ENVIRONMENTAL PERFORMANCE:



OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.



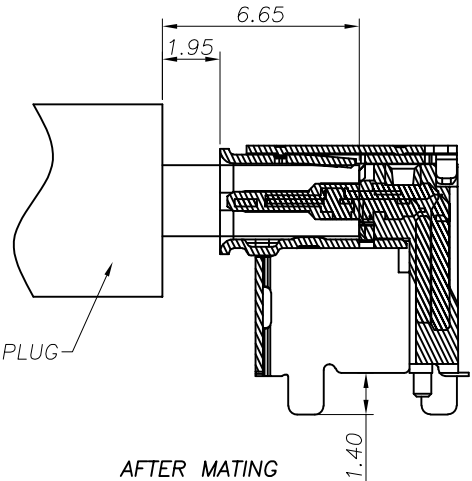
TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	 东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONIC CO., LTD.		
X.X ±0.30	X.* ±10°	PART NO.	TITLE: USB C F 16PIN SMT		
.XX ±0.20	.X.* ± 8°	----	CH=5.9		
.XXX ±0.10	.XX.* ± 5°	DESIGN: Neo.Liu	DRAWG NO.		
UNITS	mm		XB-ACF001-2R		
MATERILA		CHED:			
FINISH		APPD:			
				SCALE 1:1	SHEET 1/3
				REV. 03	

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TABLE 1

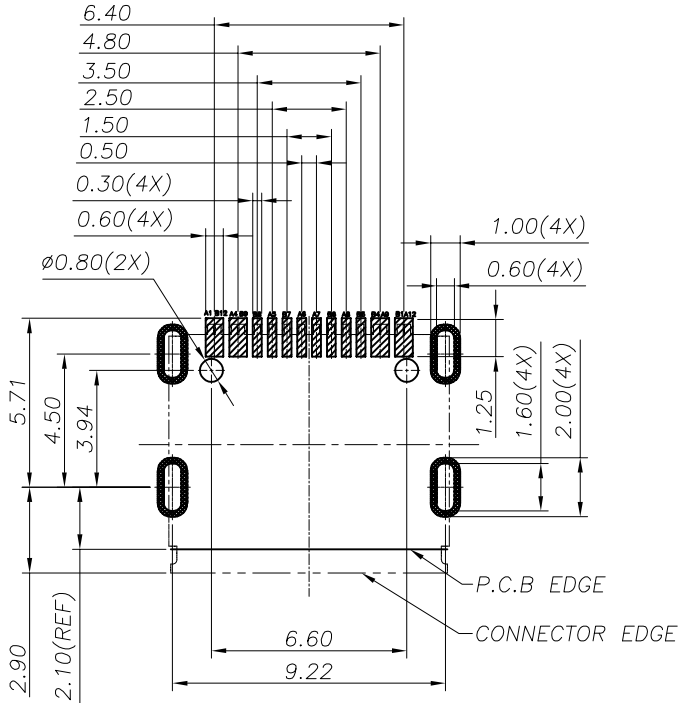
Y-M-D-1 1(白班)固定码 Day(日) Mouth(月) Year(年)			
Y:年份代码	M:月份代码	D:日期代码	
0 → 10	1 → 1月	1 → 1	M → 21
1 → 11	2 → 2月	·	N → 22
·	3 → 3月	·	P → 23
·	4 → 4月	9 → 9	Q → 24
·	5 → 5月	A → 10	R → 25
9 → 19	6 → 6月	B → 11	S → 26
0 → 20	7 → 7月	·	T → 27
取年份的最后一码	8 → 8月	·	U → 28
	9 → 9月	H → 17	W → 29
	A → 10月	J → 18	Y → 30
	B → 11月	K → 19	Z → 31
	C → 12月	L → 20	

编码原则:
1. 因字母I, O, X分别与数字1, 0, ×很相似, 故取消字母I, O, X的编码要求



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

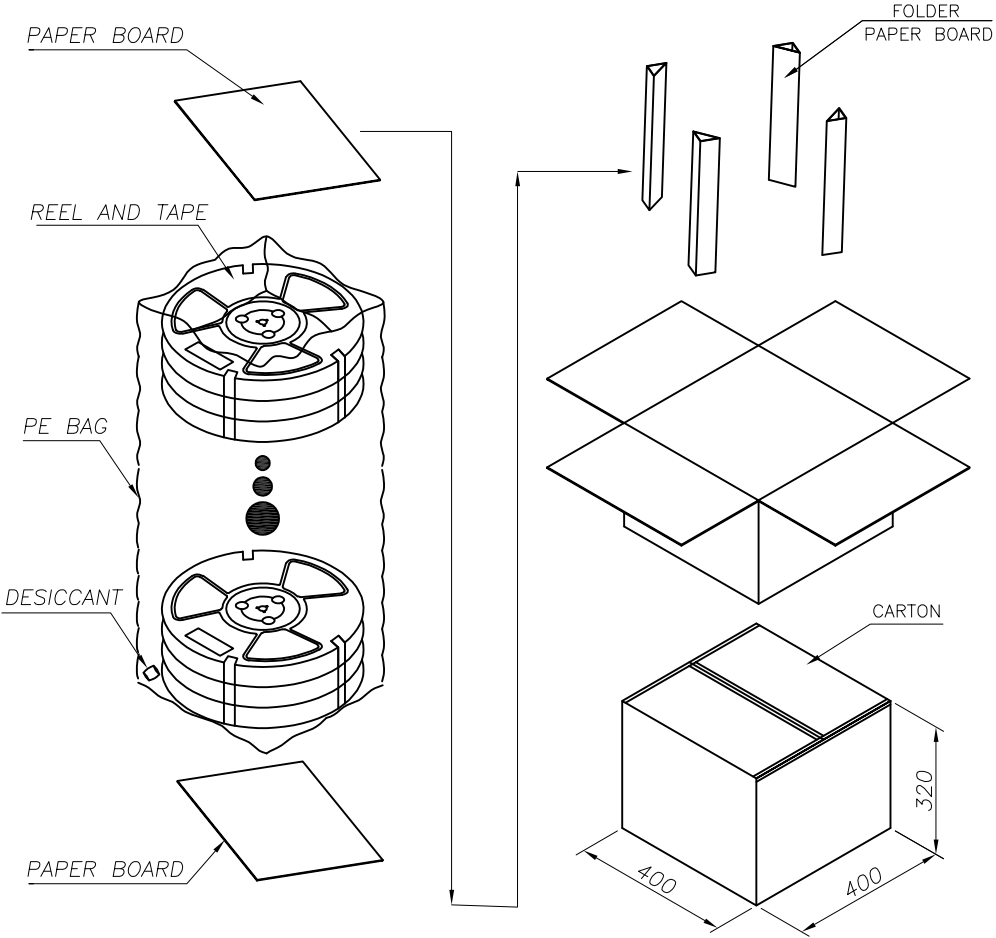
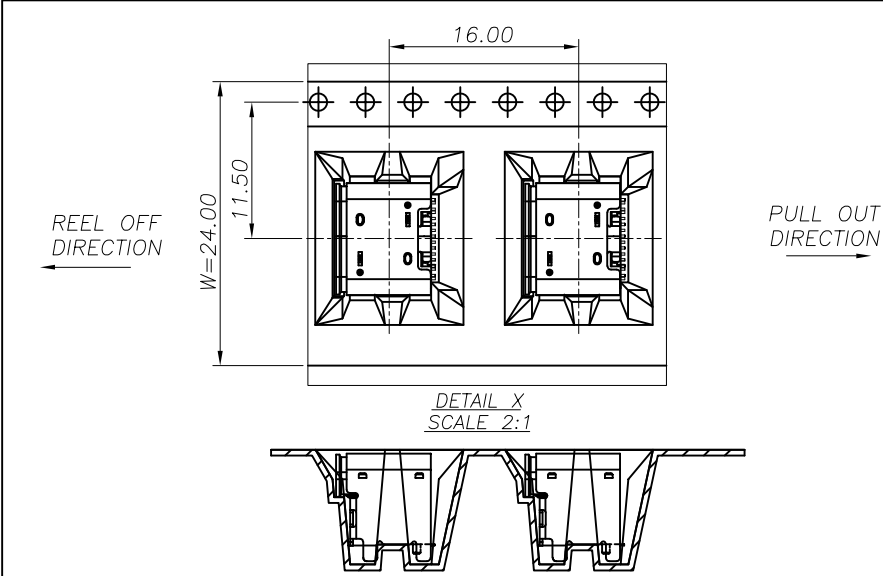
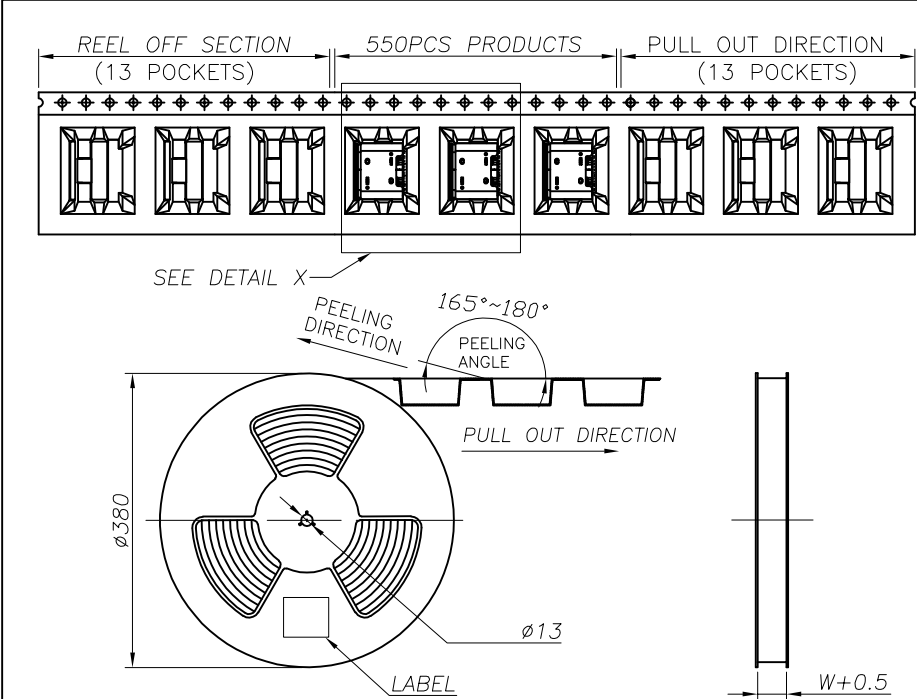
ORDER INFORMTION

P/N: ACF001-2*1H1A1**-*HR

HOUSING MATERIAL	H: HF
A: LCP	DATE CODE
E: PA9T	0: WITHOUT
	1: WITH
HOUSING COLOR	CONTACT FUNCTIONAL AREA PLATED
1: BLACK	03: Au 3u"
5: NATURE	15: Au 15u"
SHELL PLATING	30: Au 30u"
1: Ni	CONTACT SOLDER AREA PLATED
CONTACT MATERIAL	1: Au 1u"
A: C1814	

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: USB C F 16PIN SMT		
.XX ±0.20	.X* ± 8°	----	CH=5.9		
.XXX ±0.10	.XX* ± 5°	DESIGN: Neo.Liu	DRAWG NO.		
UNITS	mm		XB-ACF001-2R		
MATERILA		CHED:			
FINISH		APPD:			
			SCALE	SHEET	REV.
			1:1	2/3	03

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		REEL	CARTON
CONNECTOR (PCS)		550	5500
TOLERANCE		<div> <div> 东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONI CS CO., LTD. </div> </div>	
X.X ±0.30	X.* ±10°		
.XX ±0.20	.X.* ± 8°		
.XXX ±0.10	.XX.* ± 5°		
UNITS	mm	PART NO. -----	
MATERILA		DESIGN: Neo.Liu	
FINISH		CHED:	
		APPD:	
		NAME(INTENDED USE) CUSTOMER DRAWING	
		TITLE: USB C F 16PIN SMT CH=5.9	
		DRAWG NO. XB-ACF001-2R	
		SCALE 1:1	SHEET 3/3
		REV. 03	