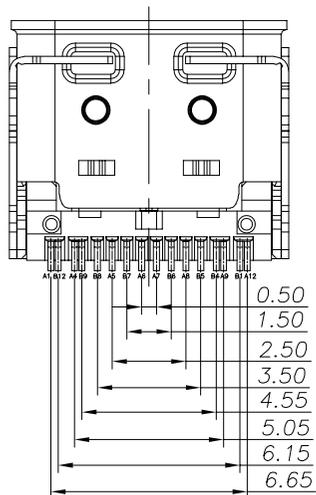
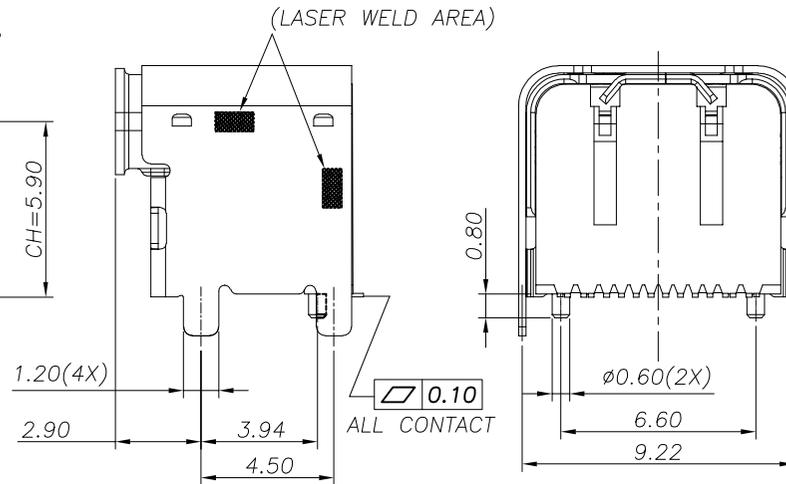
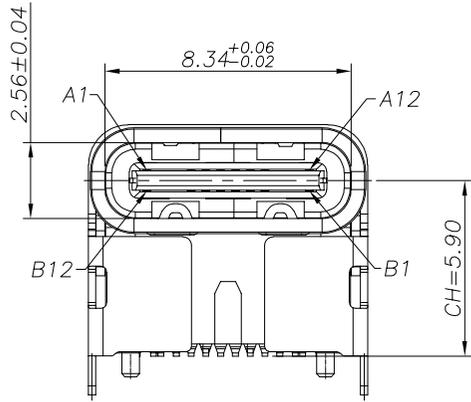
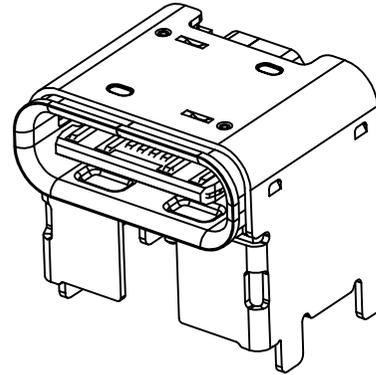
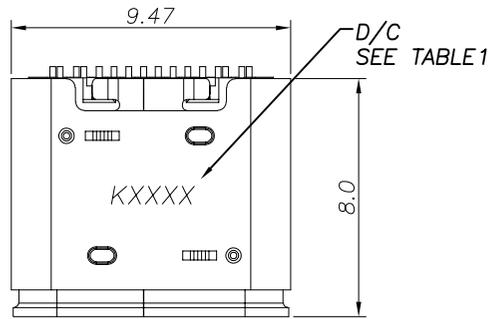


REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
01	ECN NO.	NEW RELEASE	2021.03.10	Neo.Liu
02	ECN NO.	UPDATE THE DRAWING	2021.04.16	Neo.Liu



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 ELECTRONI CS CO., LTD.		
X.X ±0.30	X.* ±10°	PART NO.	TITLE: USB C F 16PIN SMT WITH CONVEX CH=5.9		
.XX ±0.20	.X' ± 8°	----	DRAWG NO.		
.XXX ±0.10	.XX' ± 5°	DESIGN: Neo.Liu	XB-ACF001-3R		
UNITS	mm	CHED:	SCALE SHEET REV.		
MATERILA		APPD:	1:1	1/3	02
FINISH					

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01	ECN NO.	NEW RELEASE	2021.03.10	Neo.Liu
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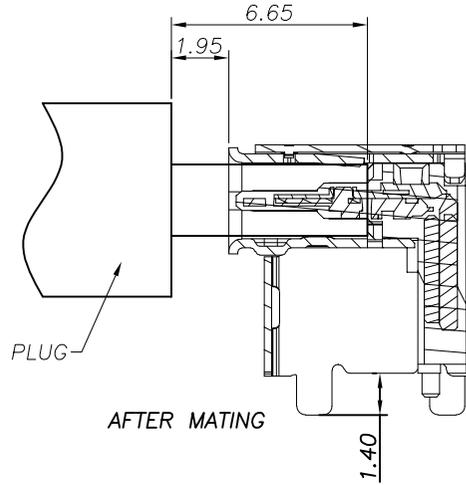
TABLE 1

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	

CODING PRINCIPLE:
 CANCEL THE ENCODING REQUIREMENTS OF THE LETTERS I, O, AND X BECAUSE THE LETTERS I, O, AND X ARE VERY SIMILAR TO THE NUMBERS 1, 0 AND X, RESPECTIVELY

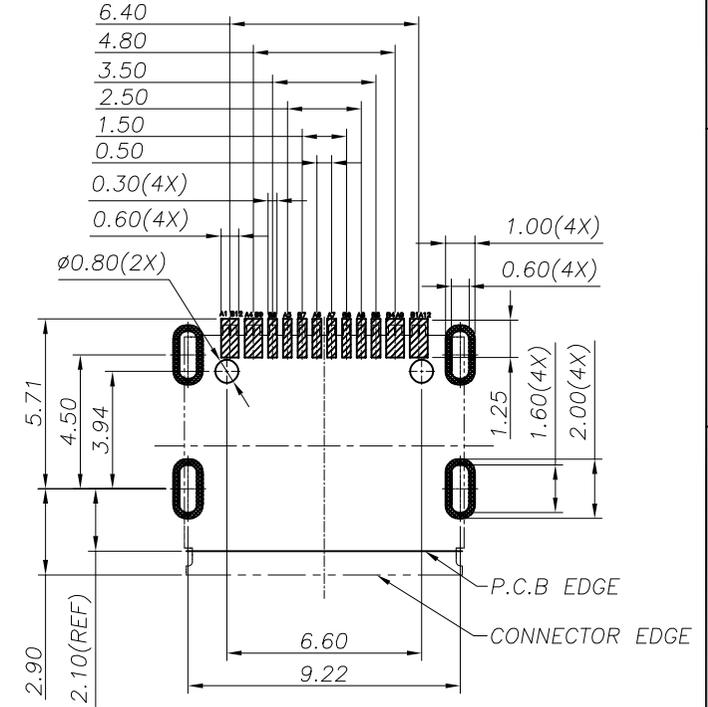
ORDER INFORMTION

P/N: ACF001-3*1H1A1**-*HR	
HOUSING MATERIAL	H: HF
A: LCP	DATE CODE
E: PA9T	0: WITHOUT
HOUSING COLOR	1: WITH
1: BLACK	CONTACT FUNCTIONAL AREA PLATED
5: NATURE	03: Au 3u"
SHELL PLATING	15: Au 15u"
1: Ni	30: Au 30u"
CONTACT MATERIAL	CONTACT SOLDER AREA PLATED
A: C1814	1: Au 1u"



USB TYPE-C PIN ASSIGNMENTS

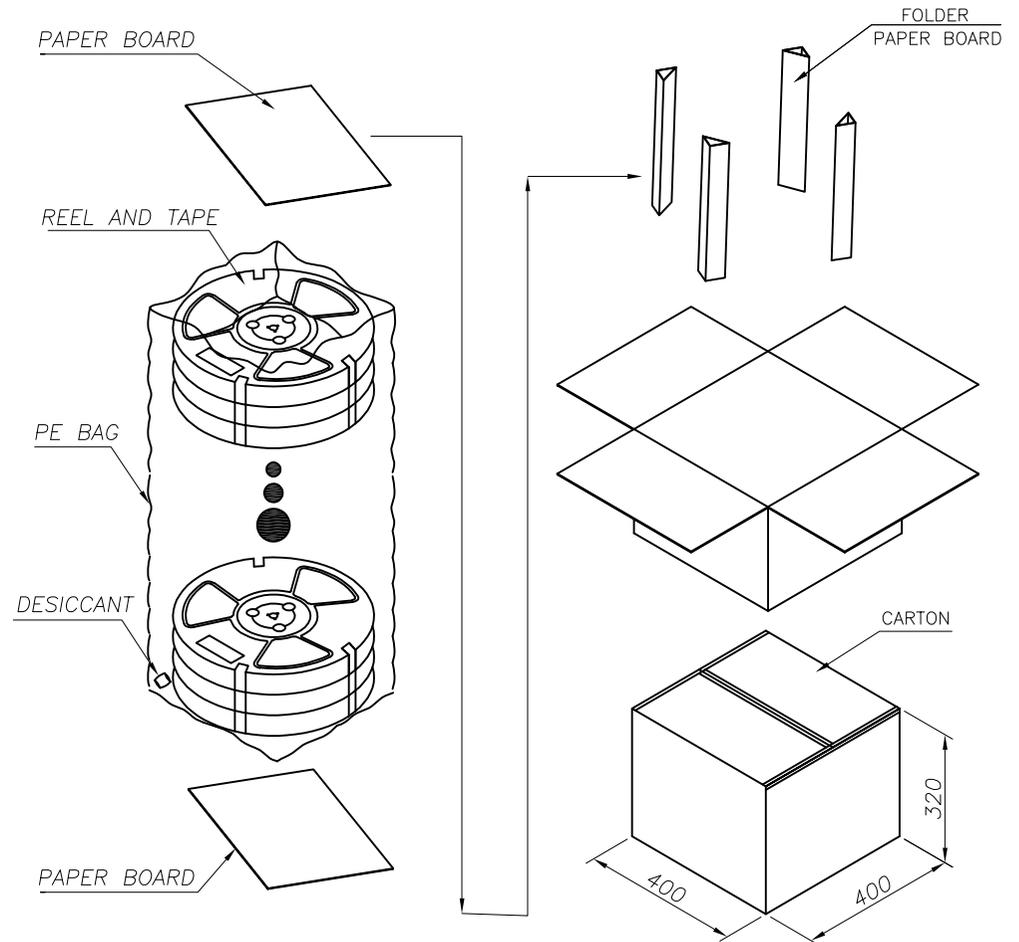
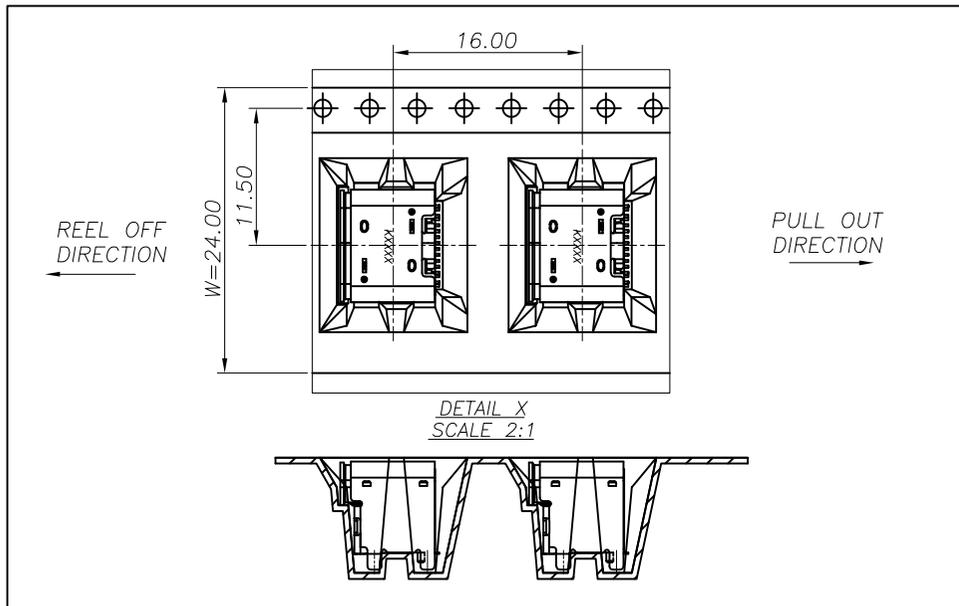
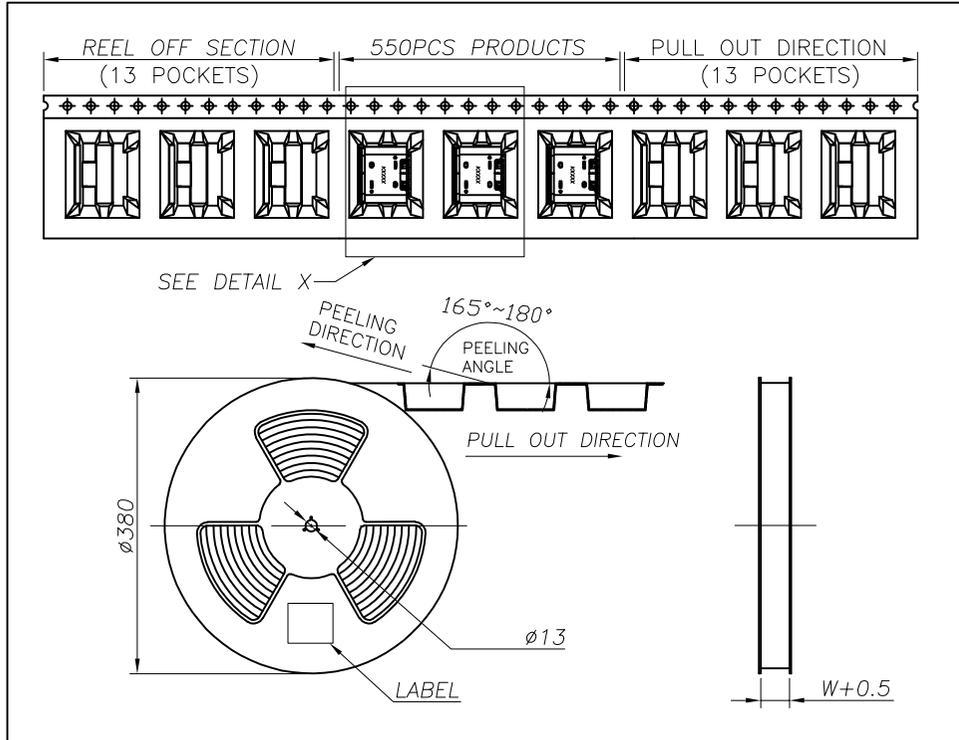
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	Vbus	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	VBUS
A12	GND	B1	GND



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

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X.X ±0.30 X.* ±10°	PART NO.	TITLE: USB C F 16PIN SMT WITH CONVEX CH=5.9		
.XX ±0.20 .X* ± 8°	-----	DRAWG NO. XB-ACF001-3R		
.XXX ±0.10 .XX* ± 5°	DESIGN: Neo.Liu	SCALE SHEET REV.		
UNITS mm	CHEG:	1:1	2/3	02
MATERILA	APPD:			
FINISH				

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
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	REEL	CARTON
CONNECTOR (PCS)	550	5500

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. ----	
.XX ±0.20	.X* ± 8°	DESIGN: Neo.Liu	TITLE: USB C F 16PIN SMT WITH CONVEX CH=5.9
.XXX ±0.10	.XX* ± 5°	CHED:	DRAWG NO. XB-ACF001-3R
UNITS	mm	APPD:	SCALE SHEET REV. 1:1 3/3 02
MATERILA			
FINISH			