

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
02	ECN NO.	UPDATE THE DRAWING	2021.08.06	PJF
03	ECN NO.	UPDATE THE DRAWING	2021.08.20	PJF

NOTE:

1.MATERIAL SPECIFICATION:

1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.

2.CONTACTS:COPPER ALLOY

3.MID PLATE: STAINLESS STEEL

4.FRONT 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.FRONT SHELL:

PLATING SPECIFICATIONS FOLLOW THE P/N

2-3.MID PLATE&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: 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.

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.

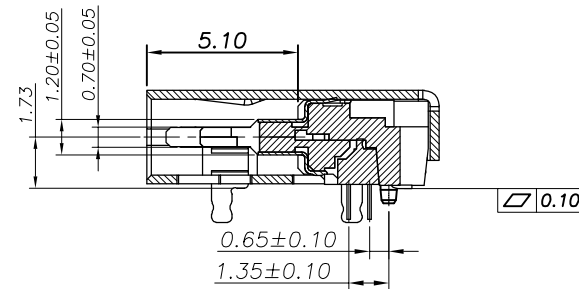
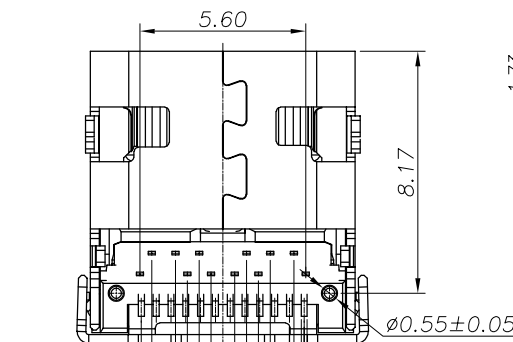
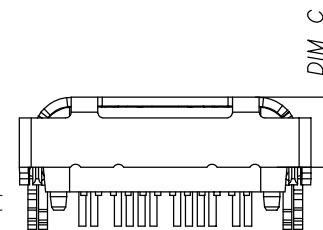
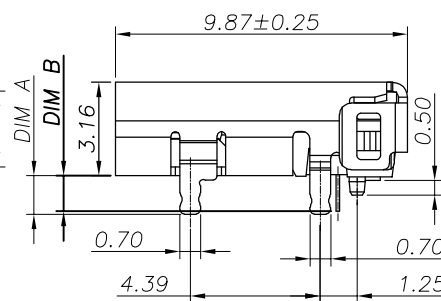
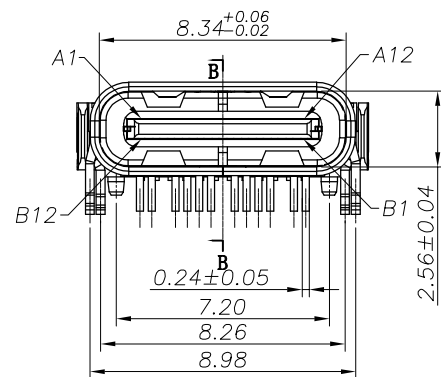
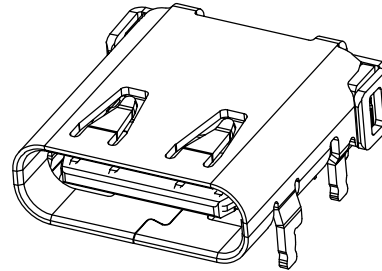
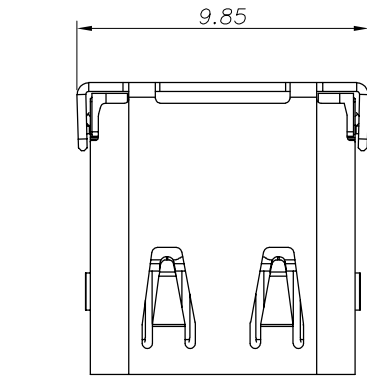
5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

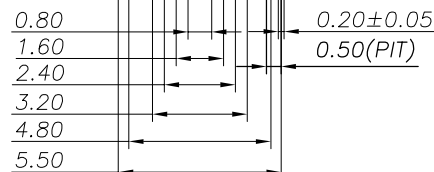
6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.



SECTION B-B
SCALE 1:1



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 24PIN DIP+SMT		
.XX ±0.20	.X' ± 8°	SEE TABLE1	WITH SPRING&POST		
.XXX ±0.10	.XX' ± 5°	DESIGN: PJF	DRAWG NO.		
UNITS	mm		XB-ACF005-1R		
MATERILA		CHED:			
FINISH		APPD:			
				SCALE 1:1	SHEET 1/3
				REV. 03	

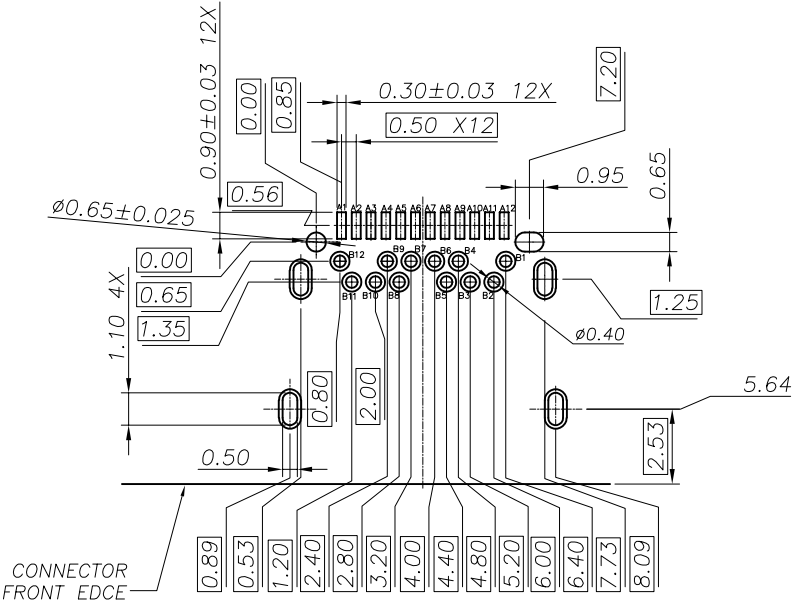
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TABLE 1

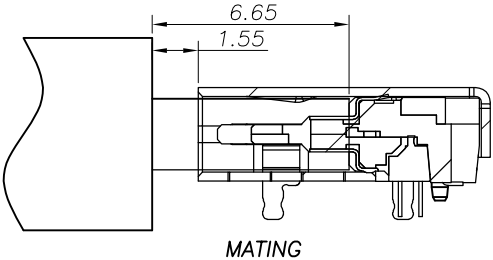
ITEM	P/N	DIM"A"	DIM"B"	DIM"C"	HOUSING CLOER	PLATING	
						MATING AREA	SOLDER AREA
1	ACF005-1E1H1A103-0HR	1.30	1.20	1.96	BALCK	Au:3u"	Au:G/F
2	ACF005-1E1H1A103-1HR	1.55	1.45	2.36		Au:15u"	Au:G/F
3	ACF005-1E1H1A115-0HR	1.30	1.20	1.96	BALCK	Au:30u"	Au:G/F
4	ACF005-1E1H1A130-0HR	1.30	1.20	1.96	BALCK	Au:3u"	Au:G/F
5	ACF005-1E1H1A130-1HR	1.55	1.45	2.36			
6	ACF005-1E1H1A103-2HR	0.90	0.80	2.36	BALCK		

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1+	B11	SSRXp1+
A3	SSTXn1-	B10	SSRXn1-
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	SSRXn2-	B3	SSTXn2-
A11	SSRXp2+	B2	SSTXp2+
A12	GND	B1	GND

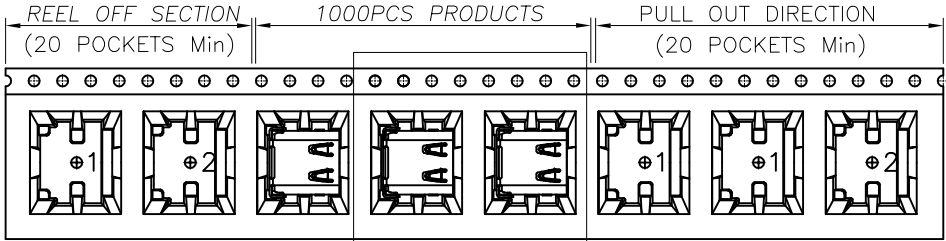


RECOMMENDED P.C.B. LAYOUT (T=1.00mm)
TOLERANCE UNSPECIFIED ±0.05mm

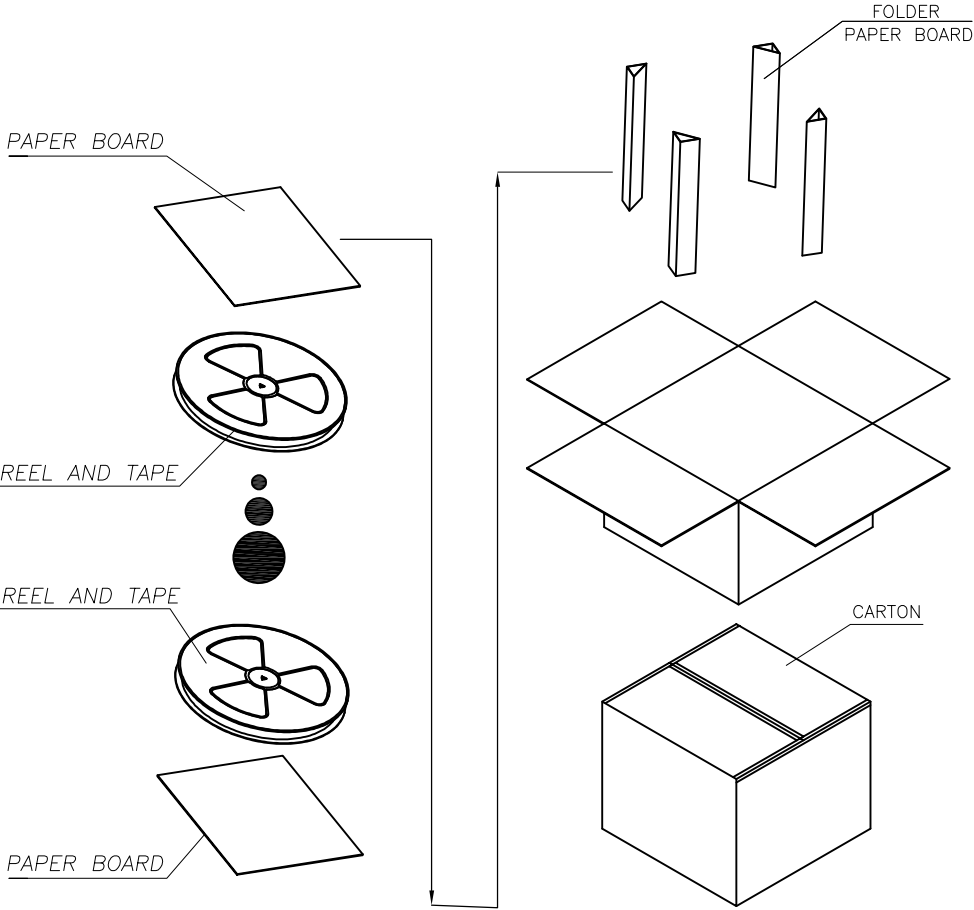
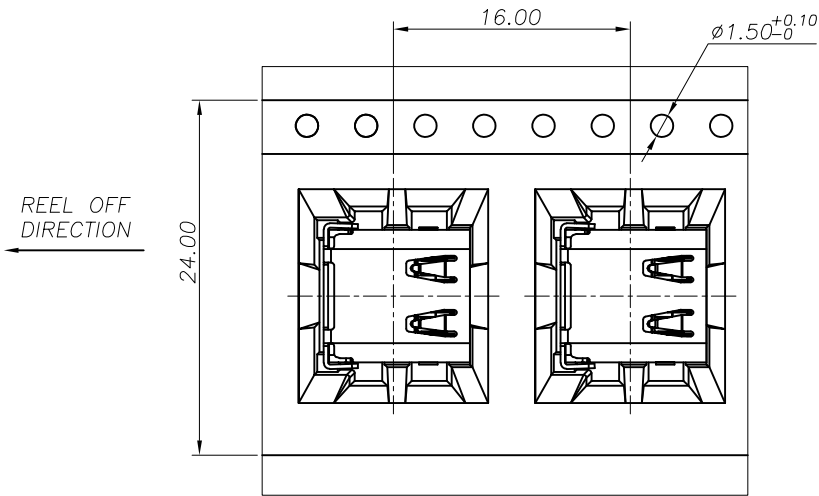
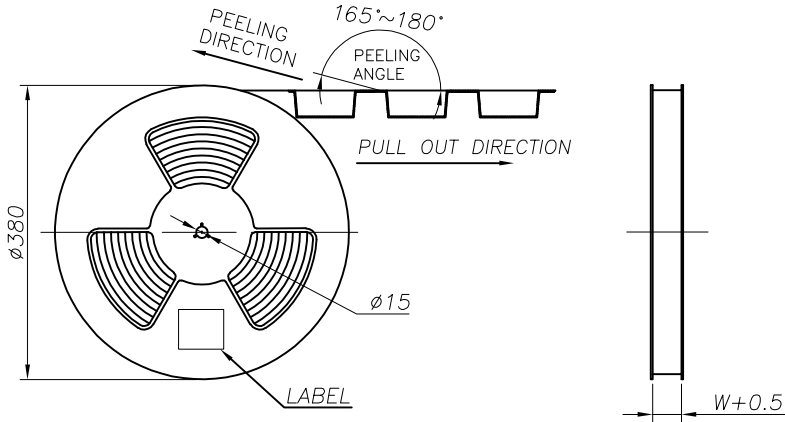


TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	 东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONI CS CO., LTD.		
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.XX ±0.20	.X* ± 8°	SEE TABLE1	WITH SPRING&POST		
.XXX ±0.10	.XX* ± 5°	DESIGN: PJF	DRAWG NO. XB-ACF005-1R		
UNITS	mm	CHED:		SCALE	SHEET
MATERILA		APPD:		1:1	2/3
FINISH					REV. 03

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SEE DETAIL X



	REEL/TRAY	CARTON
CONNECTOR (PCS)	1000	10000

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UNITS	mm		XB-ACF005-1R		
MATERILA		CHED:		SCALE	SHEET
FINISH		APPD:		1:1	3/3
					REV.
					03