

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
04	ECN NO.	UPDATE THE DRAWING	2021.04.16	Neo.Liu
05	ECN NO.	UPDATE COVER DRAWING	2021.06.10	Neo.Liu

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

6.TOP SHELL: 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&TOP SHELL:

Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3.EMI PLATE:

CLEAR ONLY

2-4.MIDDLE PLATE

Ni 40u" MIN. UNDER PLATED OVER ALL.

TIN 80u" Min PLATED ON SOLDER AREA.

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.

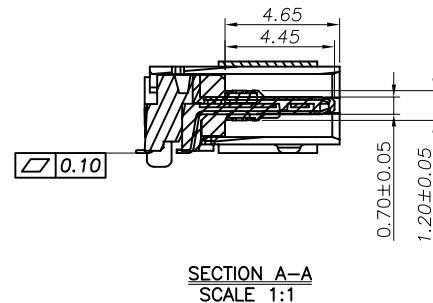
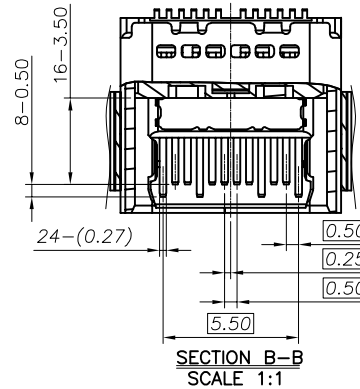
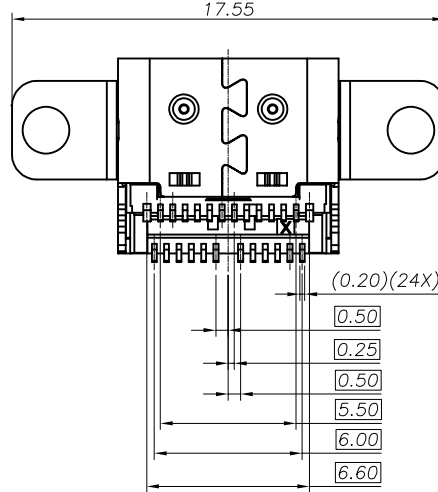
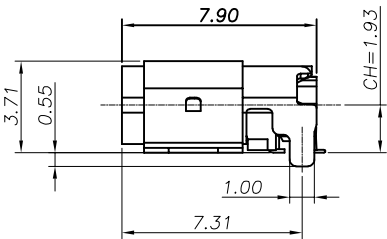
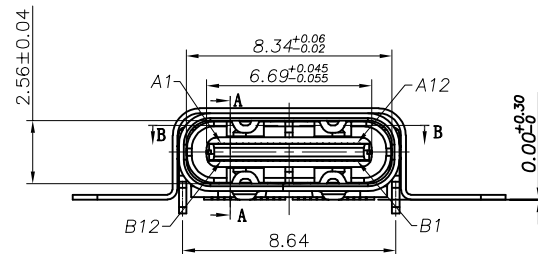
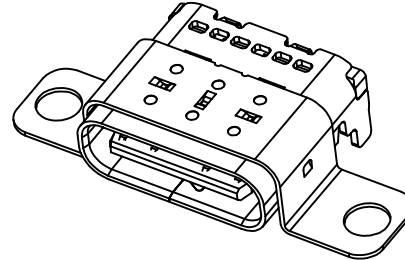
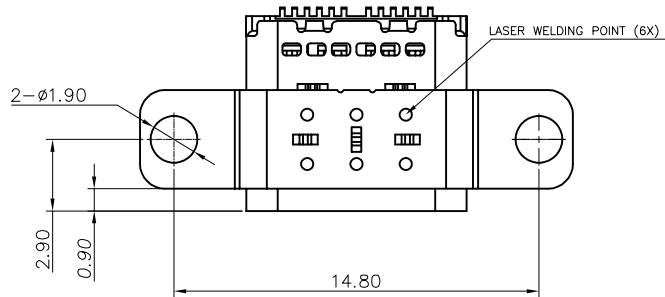
5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.

7.COPLANARITY OF SMT PINS SOLDER TAIL IS 0.10 MAX.BEFORE REFLOW AND AFTER REFLOW

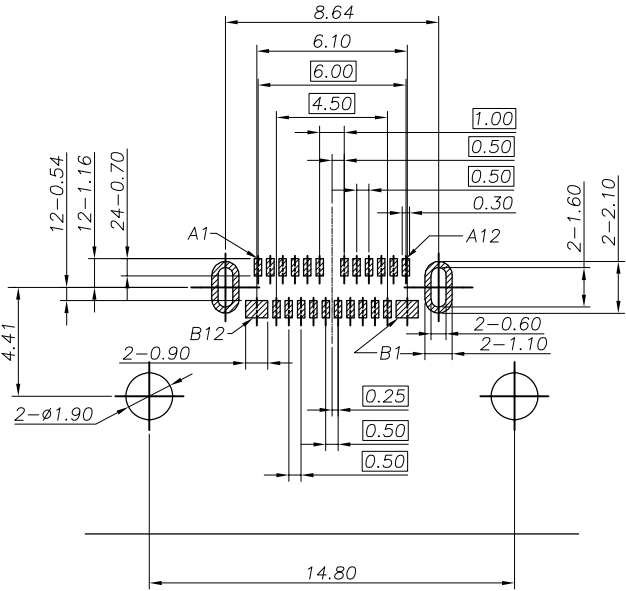


TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	 东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONIC CO., LTD.		
X.X ±0.30	X.* ±10°	PART NO.	TITLE: USB CF DOUBLE SMT WITH SCREW HOLE		
.XX ±0.20	.X* ± 8°	SEE P/N DESCRIPTION			
.XXX ±0.10	.XX* ± 5°	DESIGN: Neo.Liu	DRAWG NO. XB-ACF009-2R		
UNITS	mm				
MATERILA		CHED:		SCALE	SHEET
FINISH		APPD:		1:1	1/3
					REV. 05

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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



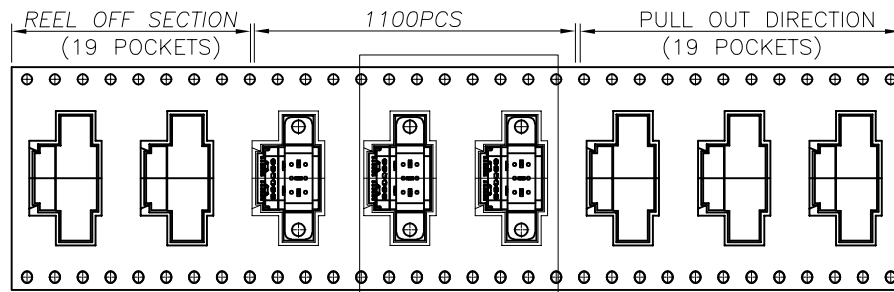
RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.8MM;DEFAULT TOLERANCE:±0.05

PART NUMBER DESCRIPTION

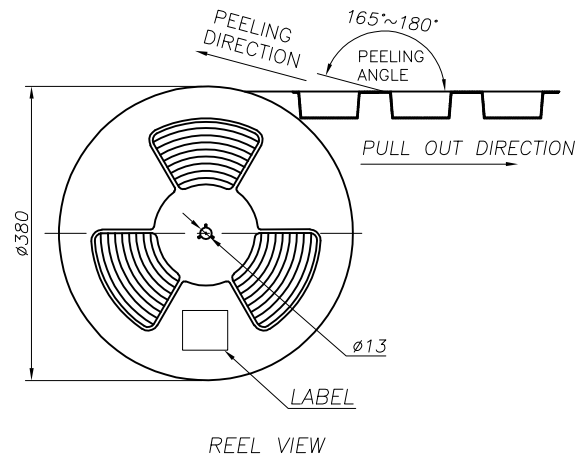
P/N: ACF009-2X1H1A1XX-1HR	
HOUSING MATERIAL	H: HF
A: LCP	
E: PA9T	
HOUSING COLOR	CONTACT FUNCTIONAL AREA PLATED
1: BLACK	03: Au 3u"
SHELL PLATING	15: Au 15u"
1: Ni	30: Au 30u"
CONTACT MATERIAL	CONTACT SOLDER AREA PLATED
A: C1814	1: Au 1u"

TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	XBS 东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONIC CO., LTD.		
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.XX ±0.20	.X* ± 8°	SEE P/N DESCRIPTION			
.XXX ±0.10	.XX* ± 5°	DESIGN: Neo.Liu	DRAWG NO.		
UNITS	mm		XB-ACF009-2R		
MATERILA		CHED:	 SCALE SHEET REV. 1:1 2/3 05		
FINISH		APPD:			

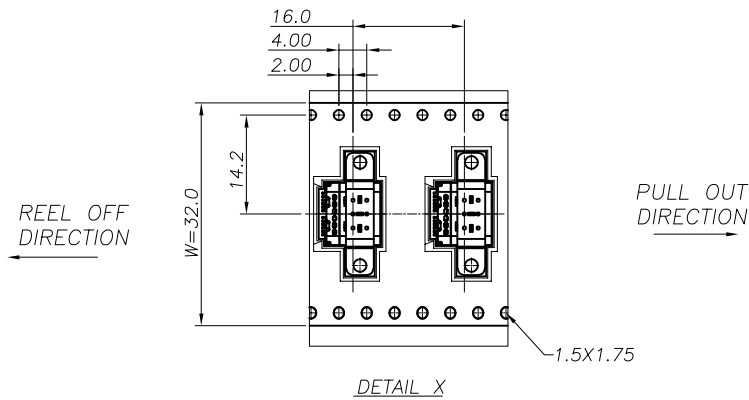
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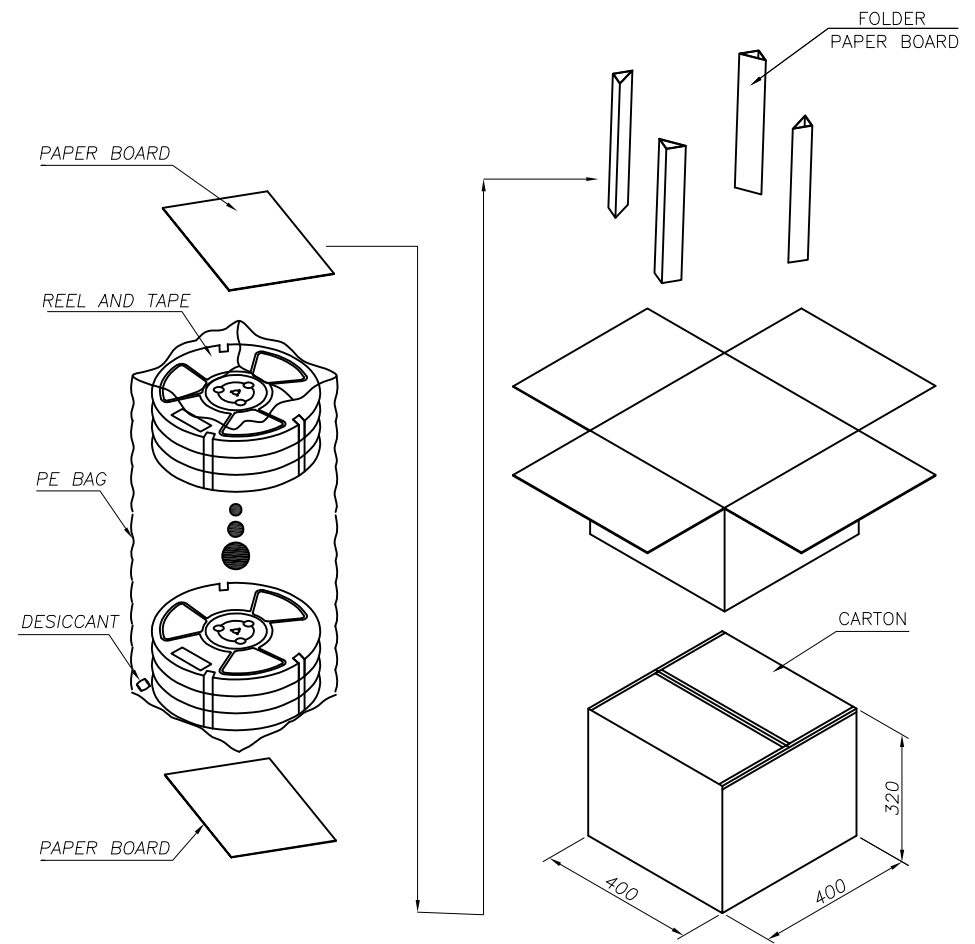
SEE DETAIL X



REEL VIEW



DETAIL X



	REEL/TRAY	CARTON
CONNECTOR (PCS)	1100	8800

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UNITS	mm	CHED:	SCALE SHEET REV.		
MATERILA		APPD:	1:1 3/3 05		
FINISH					