

# NOTE:

## 1.MATERIAL SPECIFICATION:

1-1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC, WITH 30%GLASS FILLED,UL94 V-0 BLACK.

1-2.CONTACTS: COPPER ALLOY

1-3.EMI SPRING: STAINLESS STEEL

1-4.FRONT SHELL: STAINLESS STEEL

1-5.MIDDLE BLADE: STAINLESS STEEL

## 2.PLATING SPECIFICATION:

2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.

30u" Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.

Au GOLD FLASH PLATED ON SOLDER AREA.

2-2.EMI SPRING:

CLEANING ONLY

2-3.FRONT SHELL:

Ni 50u" MIN. UNDER PLATED OVER ALL.

2-4.MIDDLE BLADE:

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.

## 6.IR REFLOW:

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

## PART NUMBER SCHEME:


10152803-000 X X LF

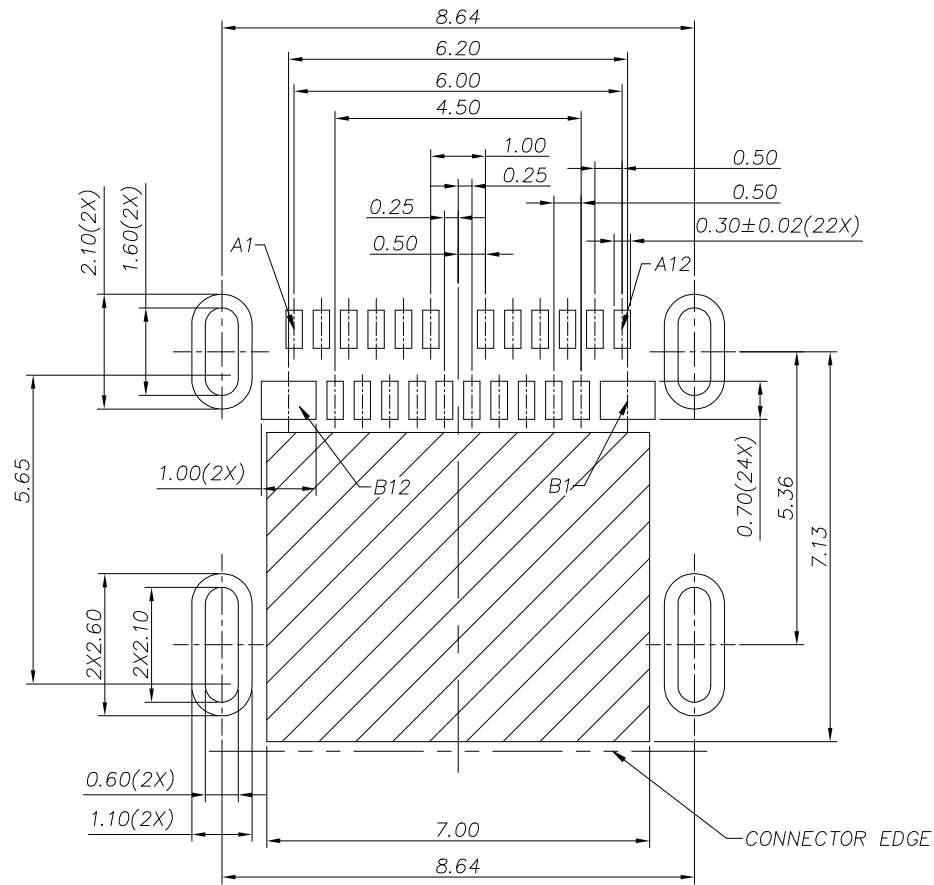
## CONTACT PLATING

1. GOLD FLASH
2. 30u" Au
3. 15u" Au

## PACKAGING

1. TAPE AND REEL

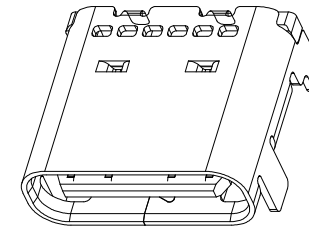
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				ISO 1302 ✓		ISO 406 ISO 1101				HPL 511			
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm		title			
A	-	YY	2020-09-09	angles		linear		mm		USB Type C Female			
				0°±x'				scale 1:1					
				dr	Yuan-Yuan Bao	2020-09-09				dwg no		sheet 1 of 1	size
				eng	Yuan-Yuan Bao	2020-09-09				10152803		A3	
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sheet index	revision sheet												




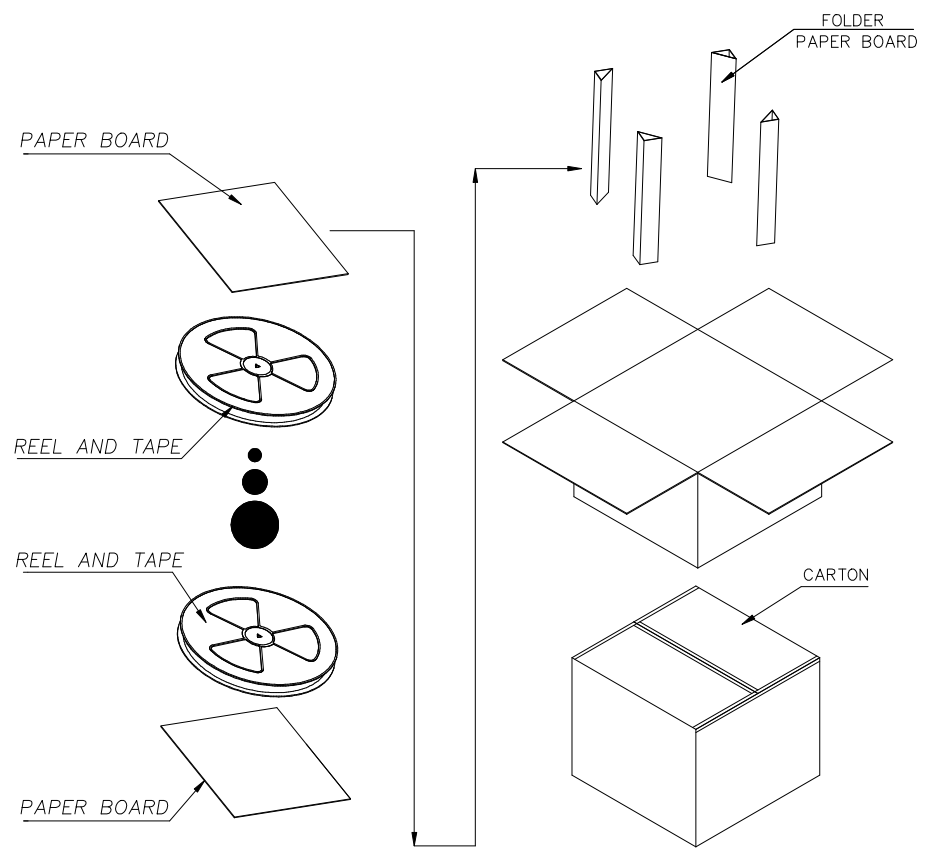
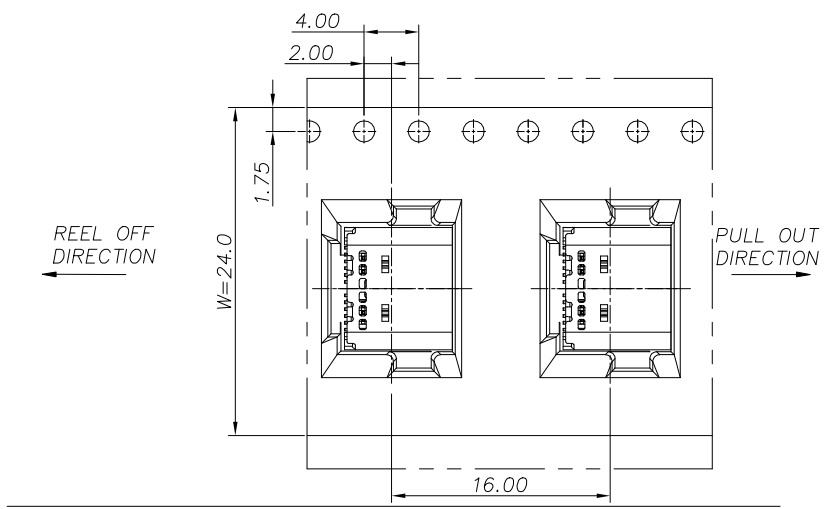
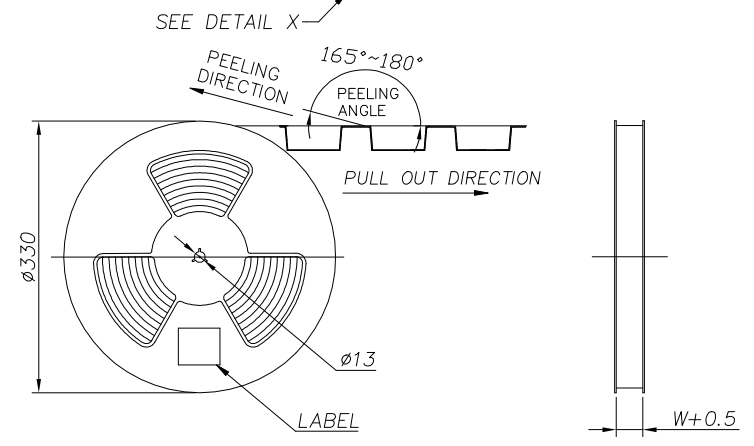
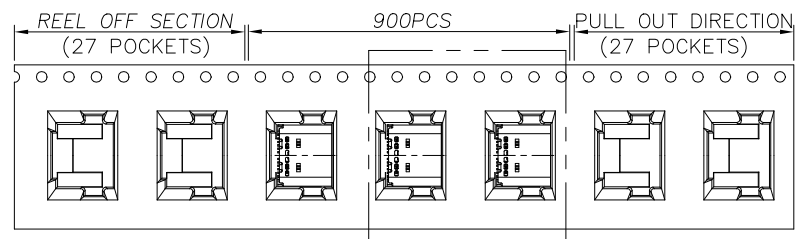
RECOMMENDED PCB LAYOUT(TOP VIEW)  
DEFAULT TOLERANCE: ±0.05

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



mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family HPL 511			
ltr	ecn no	dr	date	tolerances unless otherwise specified		 mm	title USB Type C Female			
A				angles	linear					
				0'±x'		scale 1:1	dwg no 10152803			
				dr	Yuan-Yuan Bao	2020-09-09				
				eng	Yuan-Yuan Bao	2020-09-09	sheet 1 of 1 size A3			
				chr	Tim Yao	2020-09-09				
				appd	Tim Yao	2020-09-09	type Product Customer Drawing			
sheet index	revision sheet									



	REEL	CARTON
CONNECTOR (PCS)	900	9000

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406	ISO 1101	HPL 511
ltr	ecn no	dr	date	title
A				USB Type C Female
		angles	linear	mm
		.X±.30		scale 1:1
		.XX±.20		
		.XXX±.10		
	dr	Yuan-Yuan Bao	2020-09-09	dwg no
	eng	Yuan-Yuan Bao	2020-09-09	sheet 1 of 1
	chr	Tim Yao	2020-09-09	size
	appd	Tim Yao	2020-09-09	A3
sheet index	revision sheet			type Product Customer Drawing