

SECTION: A-A

NOTE:

1.MATERIAL SPECIFICATION:

- 1.1. HOUSING: HIGH TEMPERATURE THERMOL PLASTIC, UL94 V-0. BLACK
- 1.2. TERMINAL: COPPER ALLOY
- 1.3. MID-PLATE: STAINLESS STEEL
- 1.4. FRONT SHELL: STAINLESS STEEL

2.PLATING SPECIFICATION:

2.1. CONTACTS:

- Ni 50u" MIN. UNDER PLATED OVER ALL.
- Au SEE TABLE PLATED ON THE FUNCTIONAL AREA OF CONTACT.
- SOLDER AREA PLATING Tin.

2.2. FRONT SHELL:

- Ni 30u" MIN. UNDER PLATED OVER ALL.

2.3. MID-PLATE:

- CLEAR ONLY

3.MECHANICAL PERFORMANCE,

- 3.1. MATING FORCE : 0.5~2.0kgf.
- 3.2. UNMATING FORCE: 0.8kgf~2.0kgf.
- 3.3. DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4.1. VOLTAGE RATING: 20 V DC/AC (RMS. max)
- CURRENT RATING: 3 AMPS.
- 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 DESCRIPTION:

10164359-000 X X LF

- LEAD FREE
- PACKAGING
 - 1. TAPE AND REEL
- CONTACT PLATING
 - 1. GOLD FLASH
 - 2. 15u" AU
 - 3. 30u" AU
- RESERVE CODE



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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		title	
A		-		YY		2022/03/10		USB TYPE C RECEPTACLE	
				angles		.0±.35		R/A SMT TYPE 6PIN	
				linear		.00±.25		dwg no	
				0°±2°		.000±.15		sheet 1 of 3	
				dr		Y-Y Bao 2022/03/10		size	
				enfr		Y-Y Bao 2022/03/10		10164359	
				chr		L-Q Lei 2022/03/10		A3	
				appd		Tim Yao 2022/03/10		type Product Customer Drawing	
sheet index		revision sheet							

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AFTER MATING

PIN ASSIGNMENTS

A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B5	CC2
PIN	SIGNAL NAME	PIN	SIGNAL NAME

RECOMMENDED PCB LAYOUT(TOP VIEW)

DEFAULT TOLERANCE: ± 0.05 Amphenol
FCI

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mat'l. code		surface	tolerance	projection	product family
		ISO 1302 <input checked="" type="checkbox"/>	ISO 406 ISO 1101		HPL 511
ltr	ecn no	dr	date	title	
A				USB TYPE C RECEPTACLE R/A SMT TYPE 6PIN	
		angles	linear	mm	scale 1:1
		$0^\circ \pm 2^\circ$	$.0 \pm .35$ $.00 \pm .25$ $.000 \pm .15$		
		dr	Y-Y Bao	2022/03/10	dwg no
		engr	Y-Y Bao	2022/03/10	sheet 2 of 3
		chr	L-Q Lei	2022/03/10	size
		appd	Tim Yao	2022/03/10	A3
sheet index		revision sheet			type Product Customer Drawing

form: A3-2016-02-24

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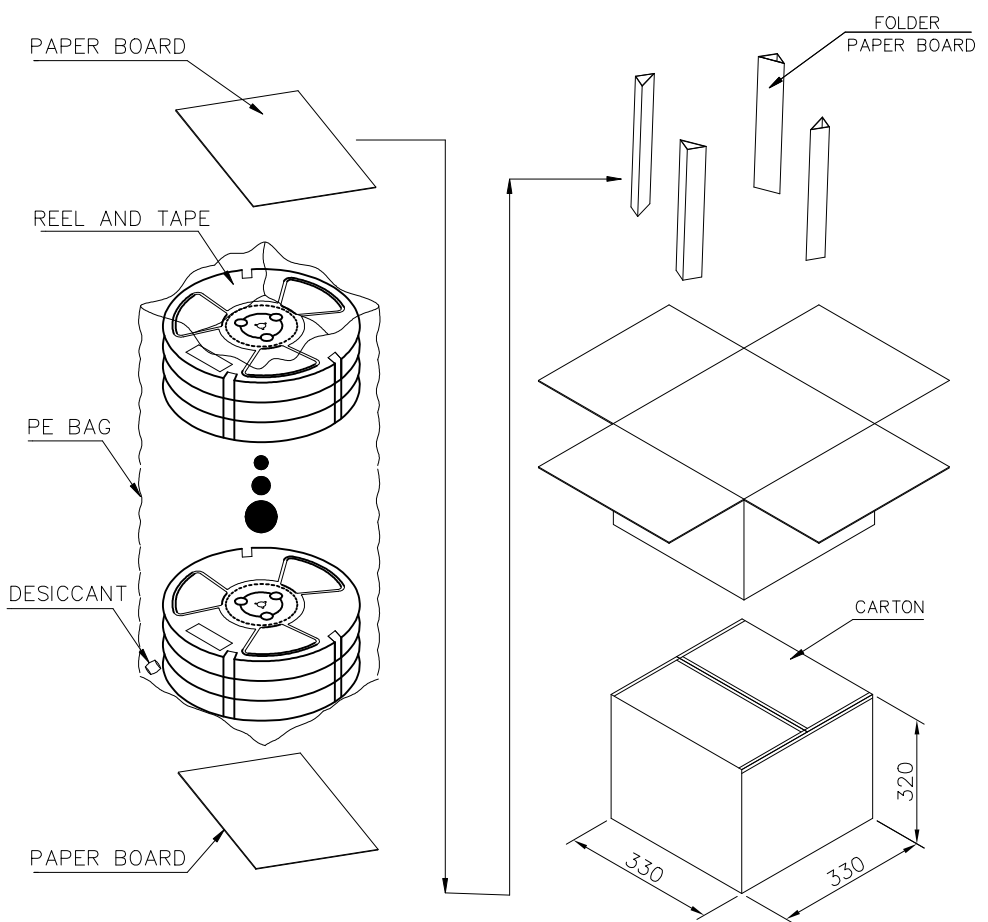
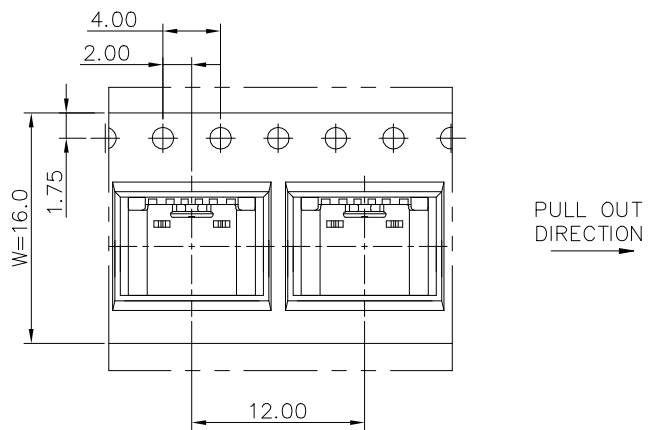
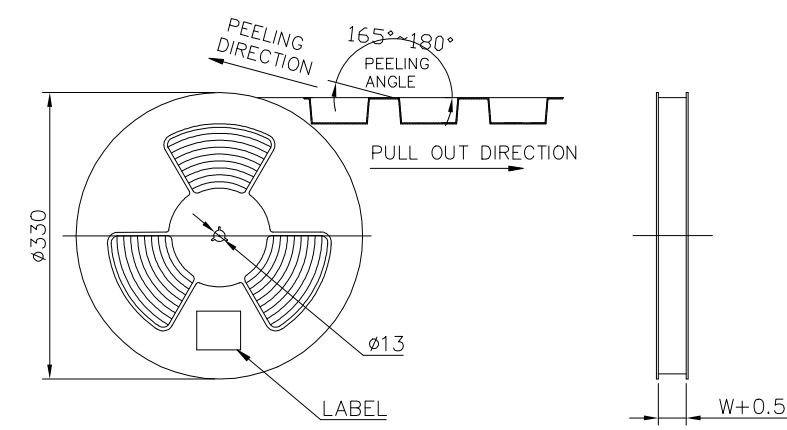
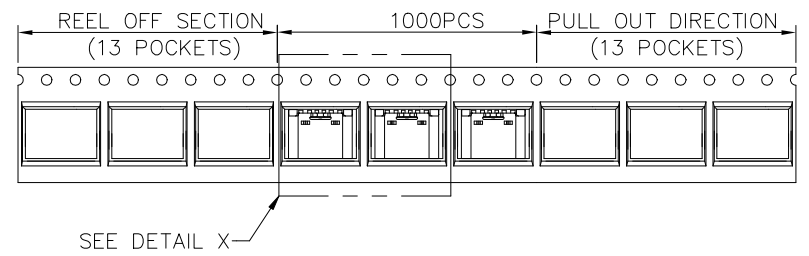
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PDS: Rev :A

STATUS:Released Printed: May 24, 2022

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	REEL	CARTON
CONNECTOR (PCS)	1000	16000

mat'l. code		surface ISO 1302	tolerance ISO 406	ISO 1101	projection	product family	
ltr		ecn no		dr	date	HPL 511	
A						title	
		angles		linear	mm	USB TYPE C RECEPTACLE	
		0°±2'		.0±.35	scale 1:1	R/A SMT TYPE 6PIN	
				.00±.25		dwg no	
				.000±.15		sheet 3 of 3	
		dr		Y-Y Bao	2022/03/10	size	
		enrg		Y-Y Bao	2022/03/10	A3	
		chr		L-Q Lei	2022/03/10	10164359	
		appd		Tim Yao	2022/03/10	type	
						Product Customer Drawing	
sheet index		revision sheet					