

RoHs

VER	MARK	PR. BY	DESCRIPTION	DATE

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.

GENERAL TOLERANCES
UNLESS SPECIFIED

X.X	±0.30	X.°	±10°
.XX	±0.20	X.X°	±8°
.XXX	±0.10	X.XX°	±5°

MANUFACTURE DWG



深圳市华明通电子有限公司

Shenzhen Huamingtong Electronics Co., Ltd

PART NO.
TYPE-C6012C-511-L80

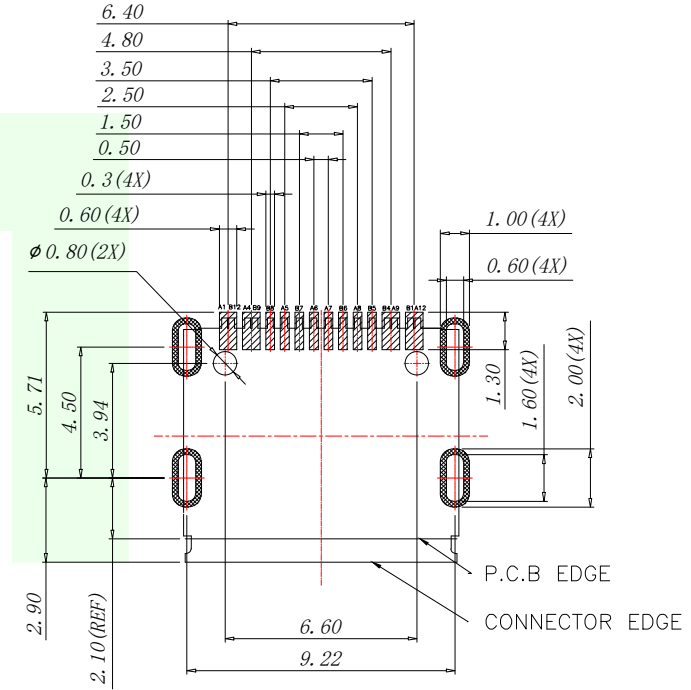
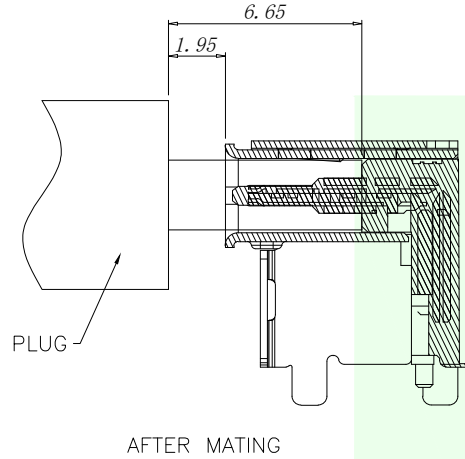
TITLE:
USB C F 16PIN SMT CH=5.9

DESIGN: James
CHED: Talen
APPD: Sophia

CUSTOMER	SIZE	UNITS
	A4	MM
	SCALE	SHEET
	N:A	1/3

RoHs

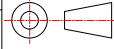
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RECOMMENDED PCB LAYOUT(TOP VIEW)

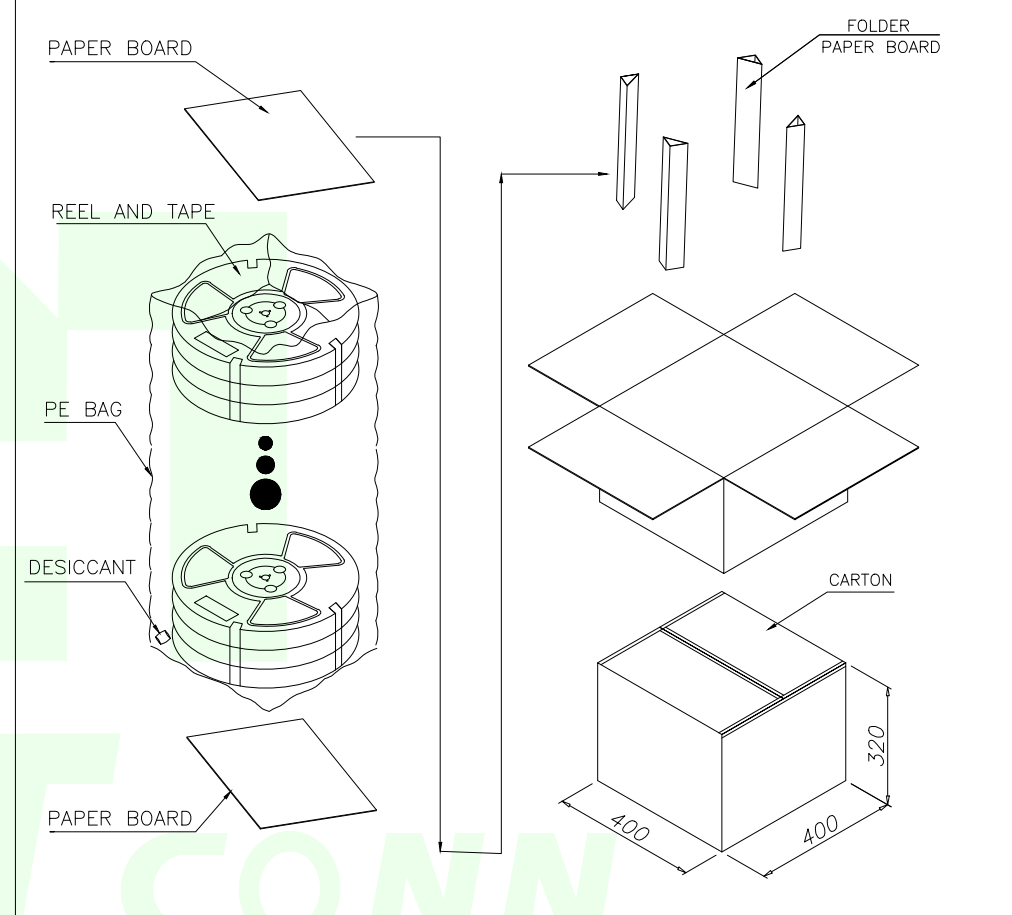
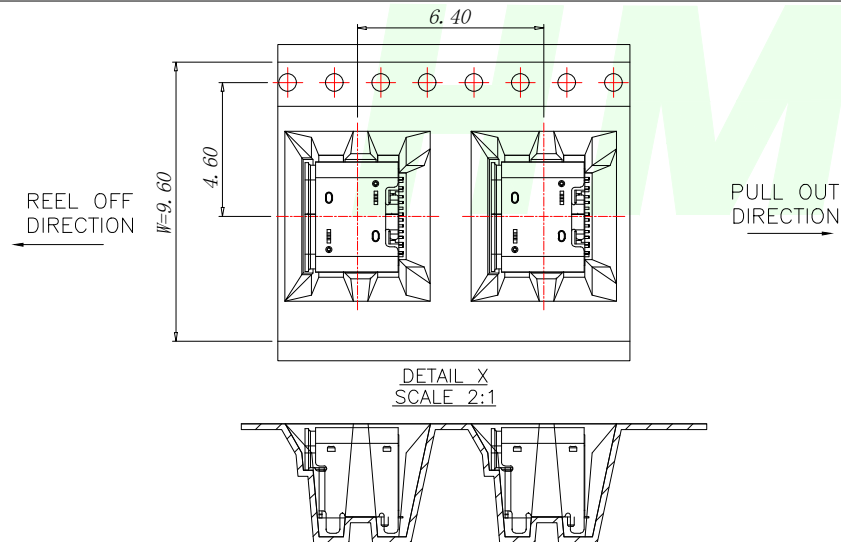
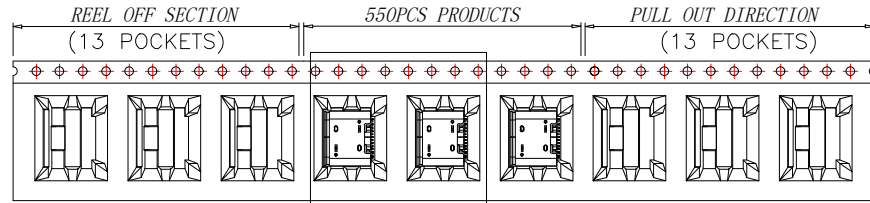
USB TYPE-C PIN ASSIGNMENTS

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

GENERAL TOLERANCES UNLESS SPECIFIED		 深圳市华明通电子有限公司 Shenzhen Huamingtong Electronics Co., Ltd		
X.X ±0.30	X.° ±10°	PART NO. TYPE-C6012C-511-L80	TITLE: USB C F 16PIN SMT CH=5.9	
.XX ±0.20	X.X° ±8°		CUSTOMER	SIZE A4
.XXX ±0.10	X.XX° ±5°	DESIGN: James		UNITS MM
MANUFACTURE DWG		CHED: Talen		SCALE N:A
		APPD: Sophia		SHEET 2/3

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	REEL	CARTON
CONNECTOR (PCS)	550	5500

GENERAL TOLERANCES
UNLESS SPECIFIED

X.X	±0.30	X.°	±10°
.XX	±0.20	X.X°	±8°
.XXX	±0.10	X.XX°	±5°

MANUFACTURE DWG



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PART NO.
TYPE-C6012C-511-L80

TITLE:
USB C F 16PIN SMT CH=5.9

DESIGN: James
CHED: Talen
APPD: Sophia

CUSTOMER	SIZE	UNITS
	A4	MM
	SCALE	SHEET
	N:A	3/3