

REV	ECN NO	CONTENT	DATE	ENGINEER
A0		INITIAL RELEASE	/	SGF

**NOTE:**

**A. MATERIAL:**

- HOUSING: PA9T UL94V-0 BLACK
- COVER: PA9T UL94V-0 BLACK
- CONTACT: 4P:C5191 5P:C2680 T=0.20mm
- SHELL: SUS304 T=0.25mm
- MIDDLE SPRING: SUS304 T=0.25mm

**B. PLATING:**

- CONTACT: CONTACT AREA GOLD PLATED(30u")  
SOLDER AREA TIN(100u"MIN) PLATED  
UNDER PLATED NICKEL(50u"MIN)
- SHELL: NICKEL(50u"MIN) PLATED

**C. ELECTRICAL CHARACTERISTICS :**

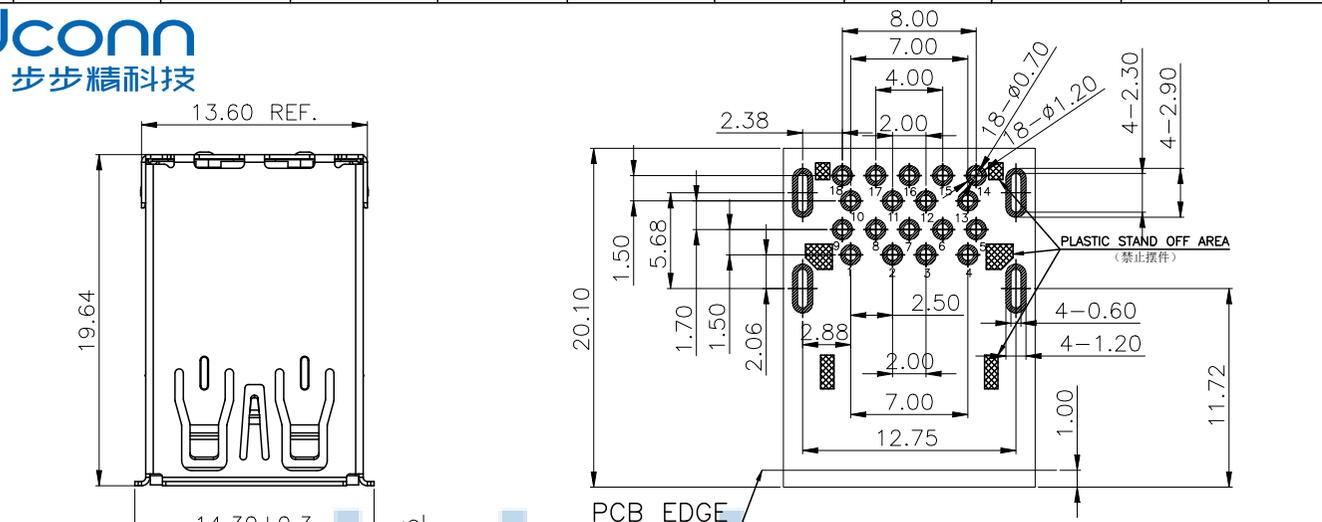
- CONTACT CURRENT RATING:  
1.8A(PIN1,PIN4,PIN10,PIN13), OTHER CONTACTS 0.25A
- CONTACT RESISTANCE:  
30Ω MAX FOR PIN1 & PIN4.  
50Ω MAX FOR OTHER CONTACTS.
- DIELECTRIC WITHSTANDING VOLTAGE : 100 VRMS AC MIN.
- INSULATION RESISTANCE: 100 MEGOHMS MIN.

**D. MECHANICAL CHARACTERISTICS:**

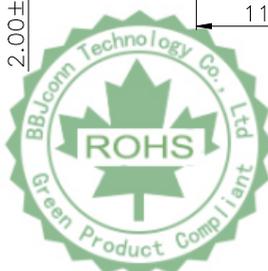
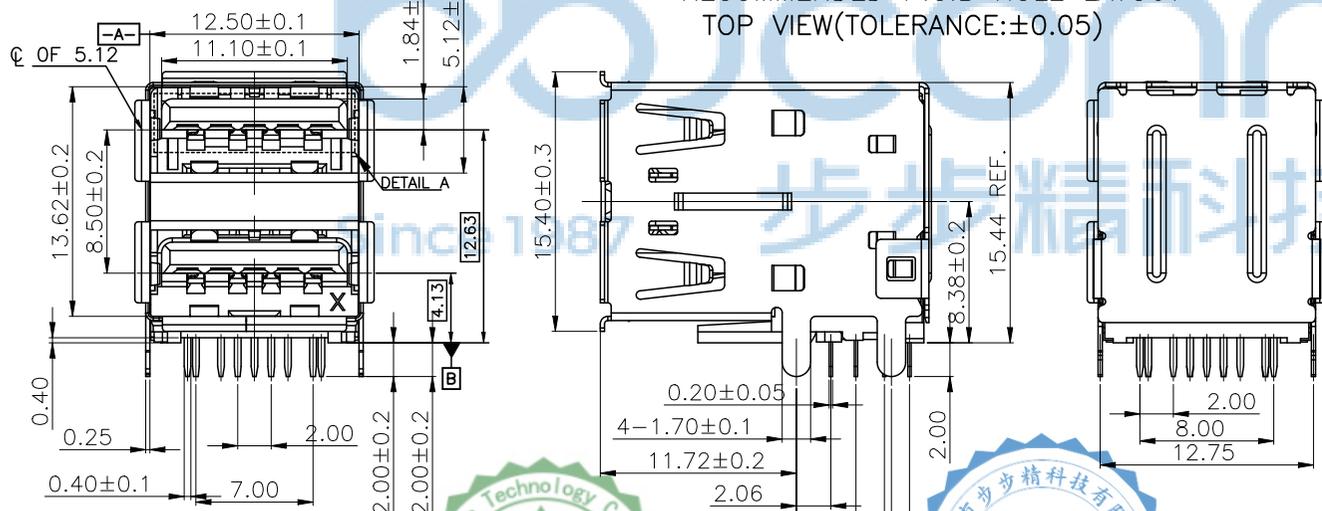
- INSERTION FORCE: 35N MAX.
- EXTRACTION FORCE: 10N MIN INITIAL,  
8N MIN AFTER DURABILITY.
- DURABILITY: 1500 CYCLES.

**E. OPERATING TEMPERATURE: -20°C TO +85°C**

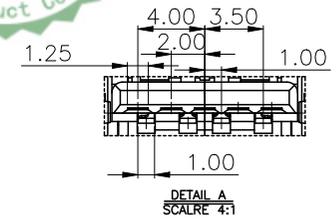
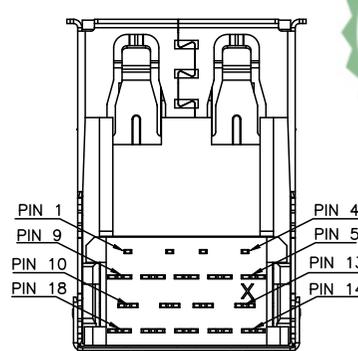
**F. RECOMMENDED PROCESS:**  
REFLOW SOLDERING(SMD COMPONENT) OVEN TEMPERATURE 260±5°C 5SEC.



**RECOMMENDED P.C.B HOLE LAYOUT TOP VIEW(TOLERANCE:±0.05)**



USB 2.0 CONTACT PINS		USB 3.0 CONTACT PINS	
Pin NUMBER	SIGNAL NAME	Pin NUMBER	SIGNAL NAME
1	10 VBUS	5	14 StdA_SSRX-
2	11 D-	6	15 StdA_SSRX+
3	12 D+	7	16 GND_DRAIN
4	13 GND	8	17 StdA_SSTX-
Shell	Shield	9	18 StdA_SSTX+



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APPD JM\_Zheng  
CHKD LYX  
DR SGF

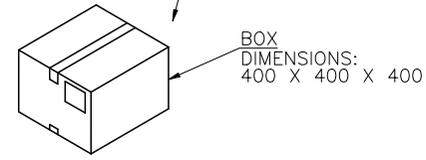
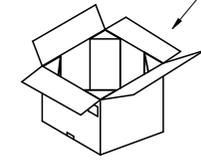
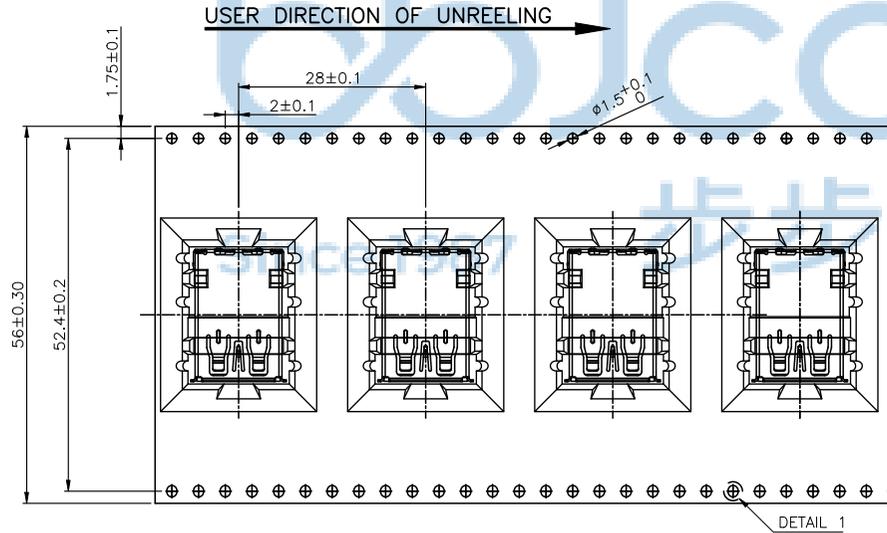
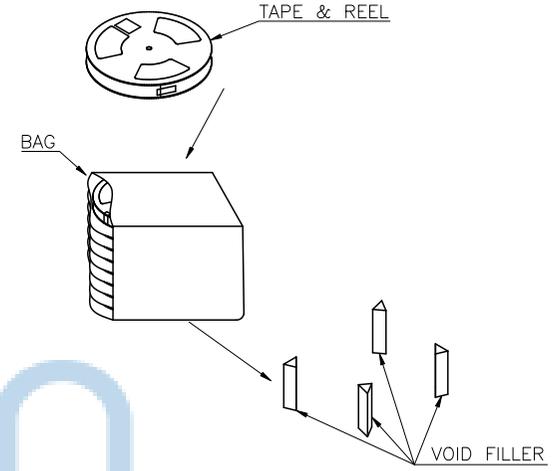
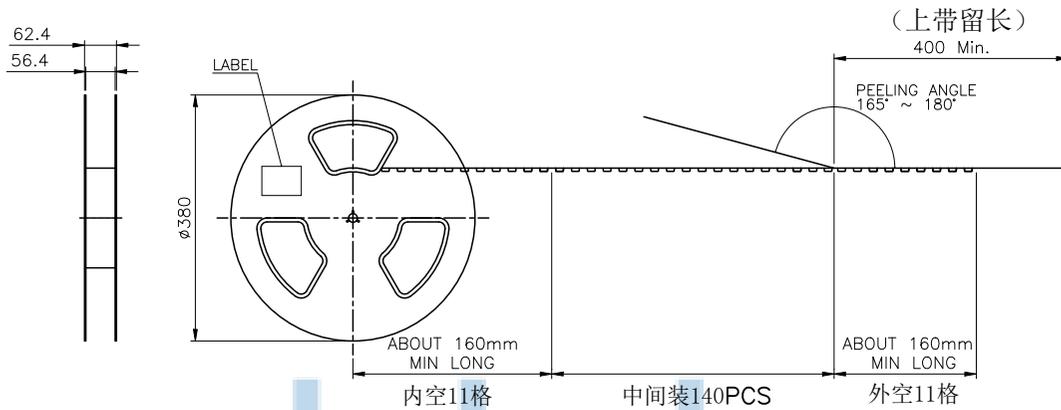
PDWG NO: 0408-1

**深圳市步步精科技有限公司**

NAME: USB 3.1 GEN2 AF 双层 90度 四脚插 端子  
DIP L=19.64 CH=8.38 卷边 PA9T黑胶 编带

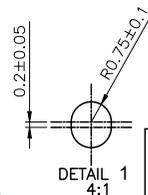
PJ NO: 127-272-040004-J8G  
SIZE:A4 DRW NO:  
FINISH:SEE NOTES MAT'L:SEE NOTES  
SCALE:N/A REV:A0 UNIT:mm PAGE:1/2

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NOTE:

- MATERIAL:  
BOX: FIBREBOARD, CORRUGATED, DOUBLE WALL.  
TAPE: POLYSTYRENES, HEAT-RESISTANT TEMPERATURE: 120°C, Transparent (透明色) COLOR.  
REEL: POLYSTYRENES, HEAT-RESISTANT TEMPERATURE: 70°C, BLUE COLOR.  
BAG: POLYETHYLENE, HEAT-RESISTANT TEMPERATURE: 100°C.
- PEELING STRENGTH: 0.2 ~ 1.3 N (20 ~ 130 GRAMS)
- PEELING SPEED: 300 mm/min.
- EACH BAG SHALL BE INCLUDED DESICCANT.



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.X: ±0.38 .XX: ±0.25 .XXX: ±0.13	X': ±3' .X': ±2' .XX': ±1'	PJ NO: 127-272-040004-J8G SIZE:A4 FINISH:SEE NOTES SCALE:N/A	MAT'L:SEE NOTES REV:A0 UNIT:mm PAGE:2/2
APPD	JM_Zheng	DR	SGF
CHKD	LYX		

140	6	840 PCS	-- KG	
PCS/ REEL	REELS/ CARTON	QUANTITY	GROSS WEIGHT	NET WEIGHT