

REV.	ECN NO	CONTENT	DATE	ENGINEER
A0		Initial release	/	TSP

Notes:

1. ELECTRICAL characteristics:

1-1. Dielectric withstand: 500V AC/1minute.

1-2. Current rating:

Vbus and GND contact: $\geq 1.25\text{A/pin}$, Paralleled for a total of 5A Min

Other contacts: $\geq 0.25\text{A/pin}$

1-3. Initial LLCR $40\text{m}\Omega$ max, after test $\Delta 10\text{m}\Omega$ max:

$40\text{m}\Omega$ MAX. FOR VBUS, GND AND OTHE CONTACTS,

$50\text{m}\Omega$ MAX. FINAL AFTER TEST.

1-4. Insulation Resistance: $1000\text{M}\Omega$ Min

2: Mechanical characteristics

2-1 Insert force: $5\sim 20\text{N}$ MAX.

Withdraw force: $8\sim 20\text{N}$, after test: $6\sim 20\text{N}$

2-2 Durability: 10000 cycles min

2-3 Laser point: Height $< 0.05\text{mm}$, Pulling force $> 50\text{N}$

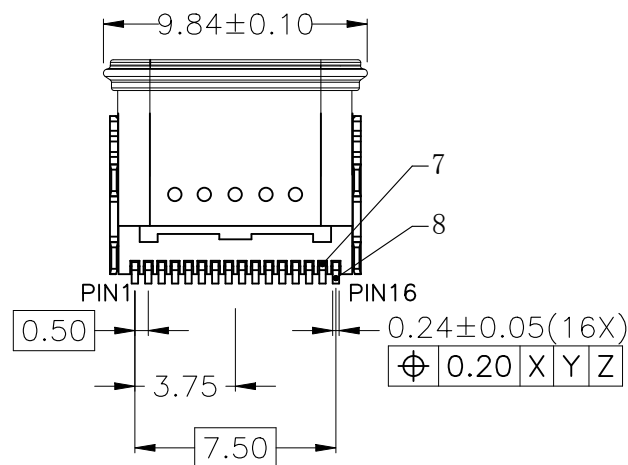
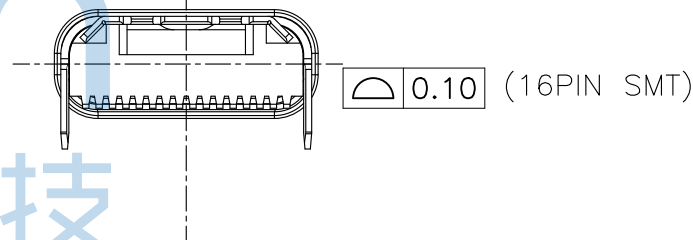
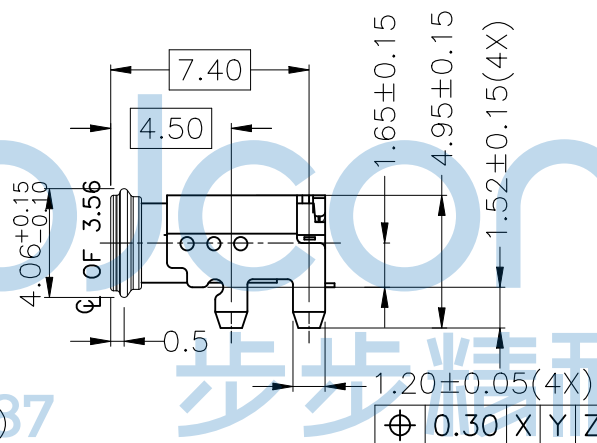
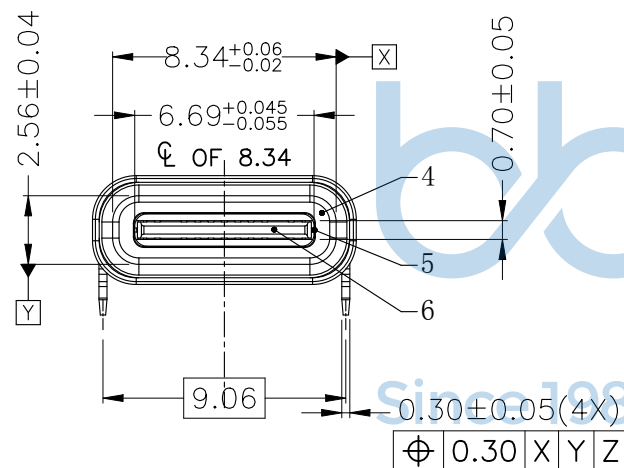
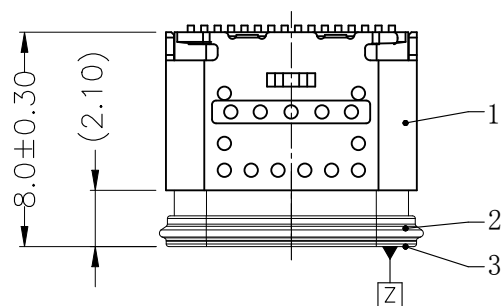
3: Envirmention characteristics

3-1 Opreating temperature: $-40\sim +85^\circ\text{C}$

3-2 Salty spray: 48hours (EIA-364-26B-B)

4. Burr: 0.05MM MAX.

5. Tape and reel packing satisfy EIA-364-481 standard



⑧	1	下端子	铜合金C7025 TM03	镀金3U
⑦	1	上端子	铜合金C7025 TM03	镀金3U
⑥	1	I/M	LCP E130I	/
⑤	1	中隔片	不锈钢SUS301	水洗
④	1	EMI	不锈钢SUS304	水洗
③	1	内铁壳	不锈钢SUS304	水洗
②	1	密封圈	液态硅胶成型黑色	/
①	1	外铁壳	不锈钢304	镀镍
序号	数量	零件名称	材料	镀层

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PDWG, NO: 0541-1



深圳市步步精科技有限公司

.X: ± 0.38 X*: ± 3
.XX: ± 0.25 .X*: ± 2
.XXX: ± 0.13 .XX*: ± 1

NAME: TYPE-C 16P 防水母座 板上四脚插 一体式 端子SMT
L=8.0 CH=1.65 LCP橙胶 L1M款 IPX8 定制款 编带

APPD. JM_Zheng

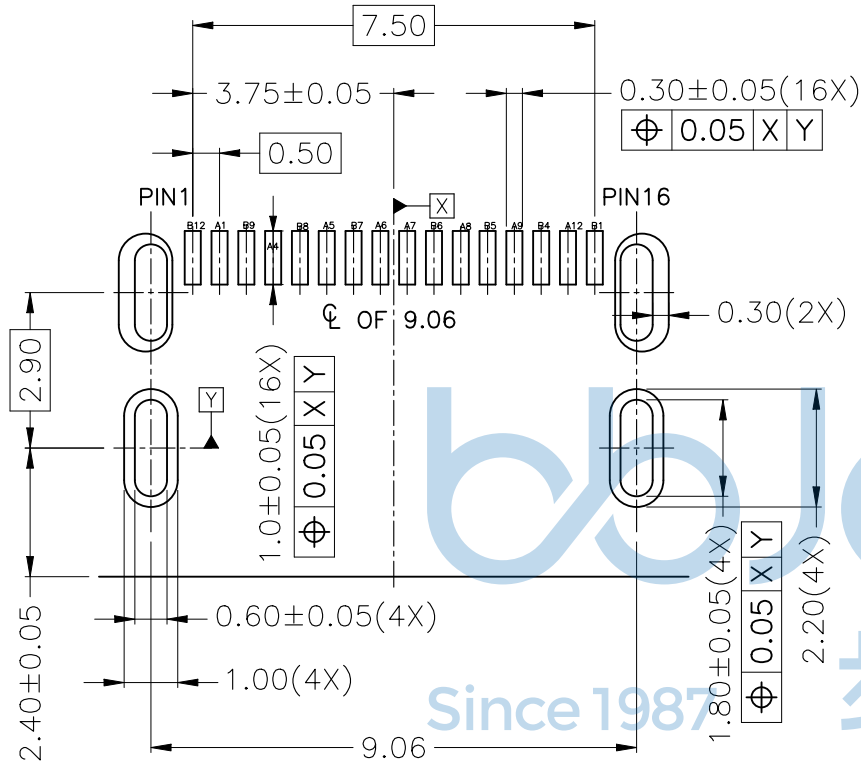
PJ. NO.: 126-221-160016-X7G

CHKD. LYX

SIZE: A4 DRW NO.:

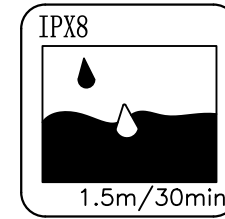
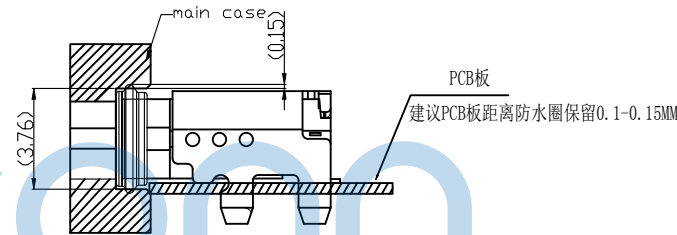
DR. TSP

FINISH: SEE NOTES MAT'L.: SEE NOTES
SCALE: N/A REV.: A0 UNIT: mm PAGE: 1/3



RECOMMENDED PCB LAYOUT(TOP VIEW)

PCB THICKNESS 1.72±0.05MM



Pin	Signal	Description	Mating Sequence	Description	Signal	Pin
2	A1	GND	First	Ground return	GND	B12
/	A2	TX1+	Second	/	RX1+	B11
/	A3	TX1-	Second	/	RX1-	B10
4	A4	VBUS	First	Bus Power	VBUS	B9
6	A5	CC1	Second	Sideband Use (SBU)	SBU2	B8
8	A6	D+	Second	Negative half of the USB 2.0 differential pair-Position 2	D-	B7
9	A7	D-	Second	Positive half of the USB 2.0 differential pair-Position 2	D+	B6
11	A8	SBU1	Second	Configuration Channel	CC2	B5
13	A9	VBUS	First	Bus Power	VBUS	B4
/	A10	RX2-	Second	/	TX2-	B3
/	A11	RX2+	Second	/	TX2+	B2
15	A12	GND	First	Ground return	GND	B1

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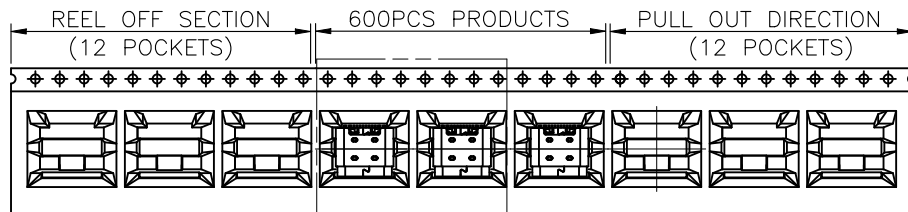
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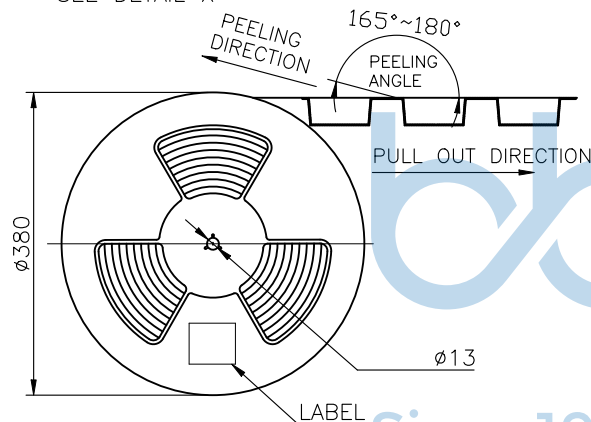
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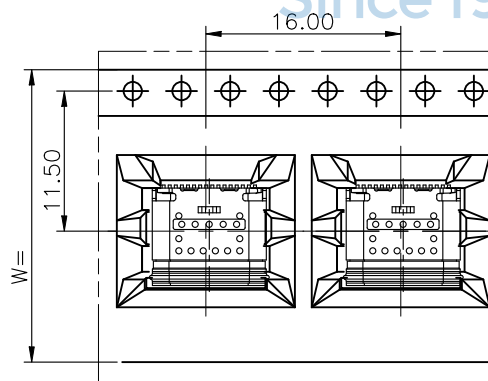


SEE DETAIL X



W+0.5

REEL OFF DIRECTION



DETAIL X
SCALE 2:1

PD69

每盘真空包装

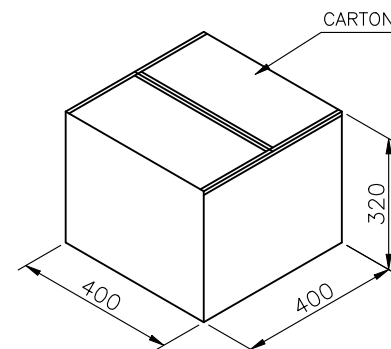
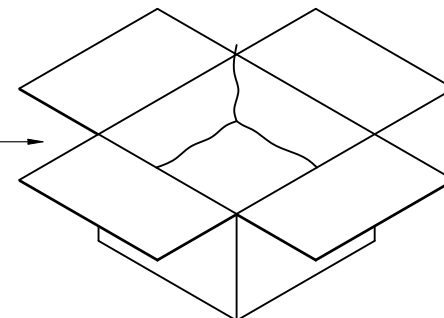


PAPER BOARD

REEL AND TAPE

REEL AND TAPE

PAPER BOARD



	REEL	CARTON
CONNECTOR (PCS)	600	6000

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