

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 $> 50\text{N}$

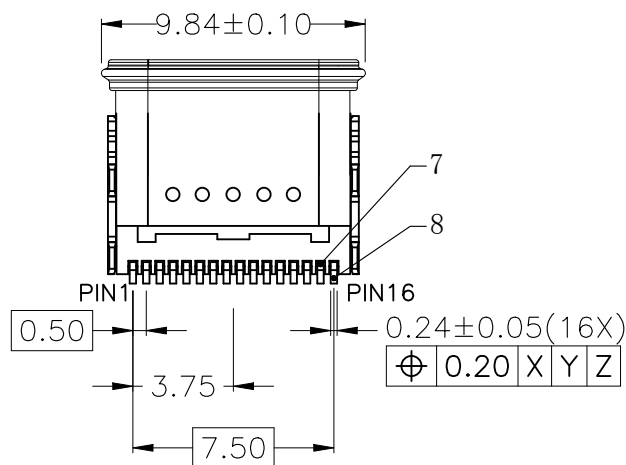
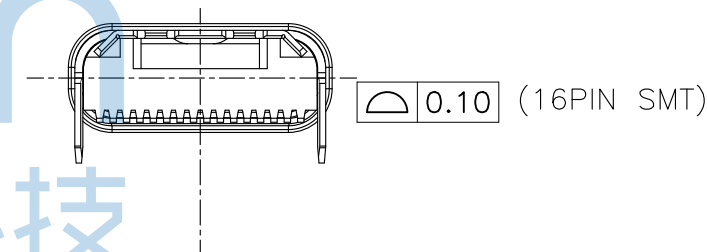
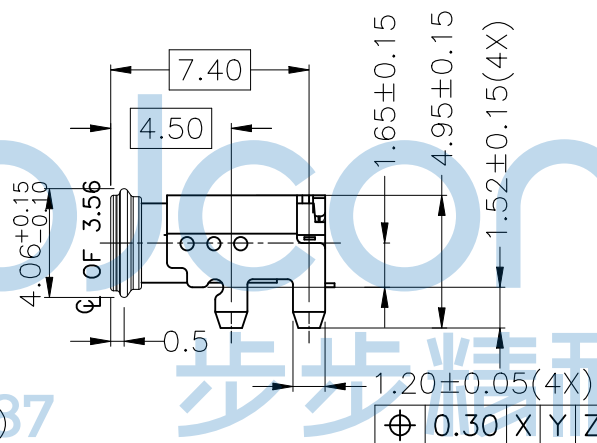
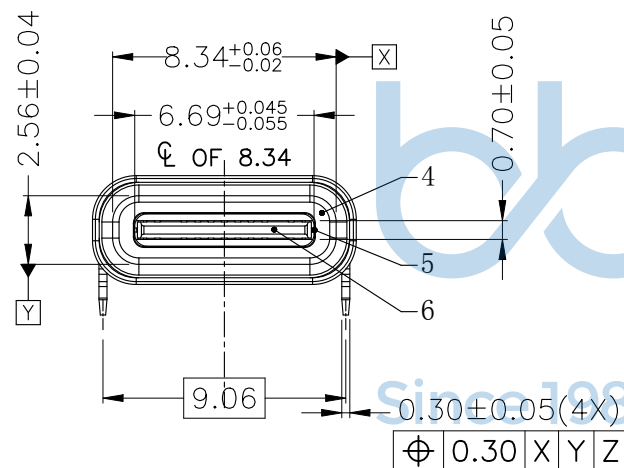
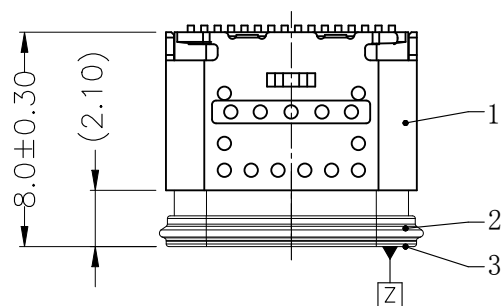
3: Envirmention characteristics

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	CONTACT UP	C7025 TM03	Au 3U
⑦	1	CONTACT DOWN	C7025 TM03	Au 3U
⑥	1	I/M	LCP E130I	/
⑤	1	SHIELDING PLATE	SUS301	water scrubbing
④	1	EMI	SUS304	water scrubbing
③	1	Inner iron shell	SUS304	water scrubbing
②	1	GASKET	Liquid silicone molding black	/
①	1	Outer iron shell	SUS304	Ni overall
NO.	Number	DESCRIPTION	MATERIAL	REMARKS

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PDWG, NO:

0541-1



深圳市步步精科技有限公司

.X: ± 0.38 X': $\pm 3'$
.XX: ± 0.25 .X': $\pm 2'$
.XXX: ± 0.13 .XX': $\pm 1'$

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黑胶 LIM款 IPX8 编带

APPD. JM_Zheng

CHKD. LYX

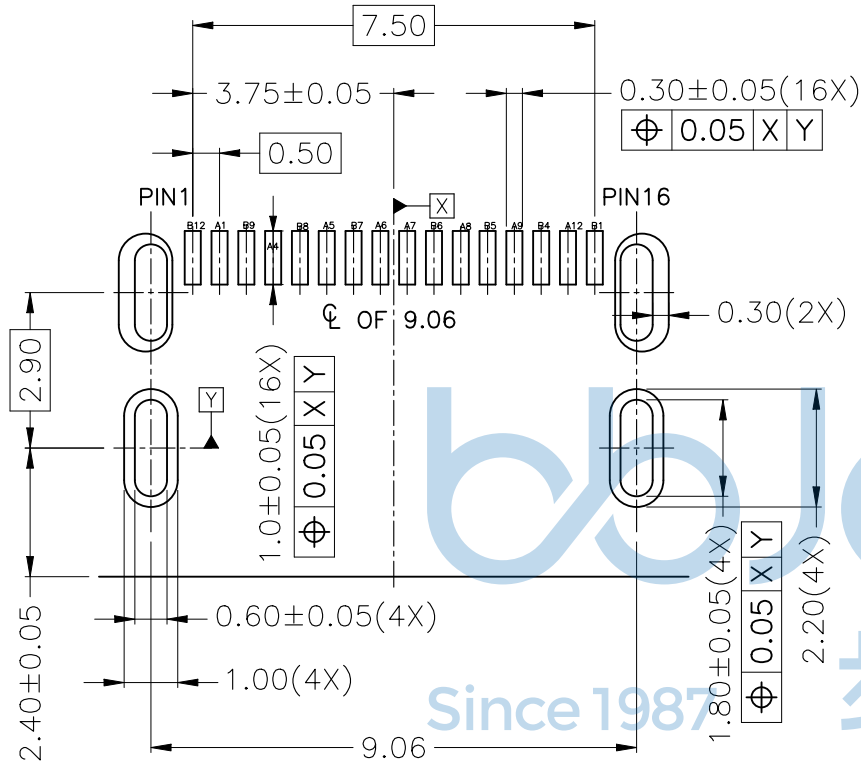
DR. TSP

PJ. NO.: 126-223-160003-X7G

SIZE: A4 DRW NO.:

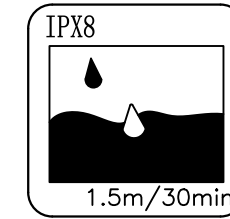
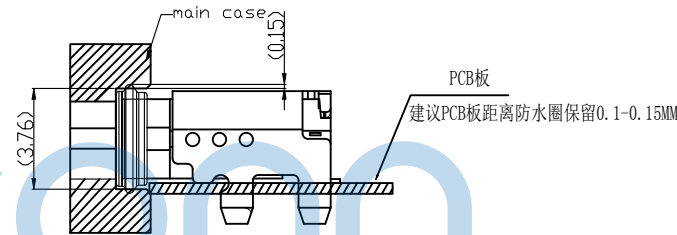
FINISH: SEE NOTES MAT'L.: SEE NOTES

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 1
/	A2	TX1+	Second	/	RX1+	B11 /
/	A3	TX1-	Second	/	RX1-	B10 /
4	A4	VBUS	First	Bus Power	VBUS	B9 3
6	A5	CC1	Second	Sideband Use (SBU)	SBU2	B8 5
8	A6	D+	Second	Negative half of the USB 2.0 differential pair-Position 2	D-	B7 7
9	A7	D-	Second	Positive half of the USB 2.0 differential pair-Position 2	D+	B6 10
11	A8	SBU1	Second	Configuration Channel	CC2	B5 12
13	A9	VBUS	First	Bus Power	VBUS	B4 14
/	A10	RX2-	Second	/	TX2-	B3 /
/	A11	RX2+	Second	/	TX2+	B2 /
15	A12	GND	First	Ground return	GND	B1 16

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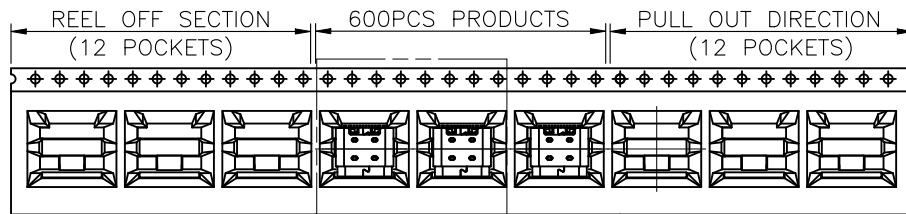
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SCALE: N/A REV.: A0 UNIT: mm PAGE: 2/3

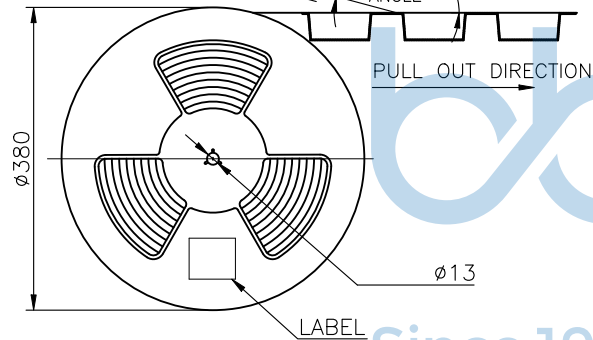


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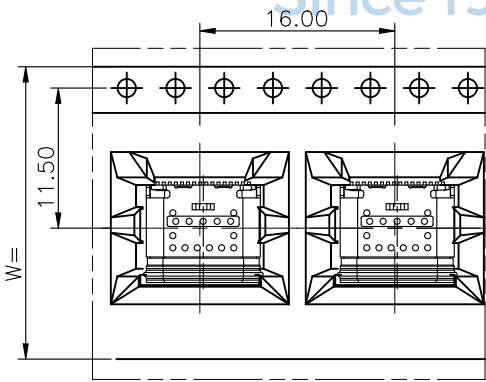
SEE DETAIL X

PEELING DIRECTION 165°~180° PEELING ANGLE



W+0.5

REEL OFF DIRECTION



PULL OUT DIRECTION

DETAIL X SCALE 2:1

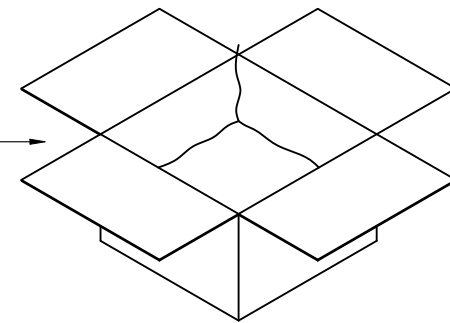


PAPER BOARD

REEL AND TAPE

REEL AND TAPE

PAPER BOARD



CARTON

	REEL	CARTON
CONNECTOR (PCS)	600	6000

PD69

每盘真空包装



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