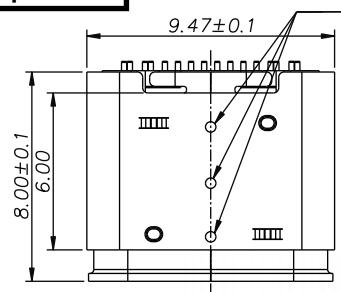


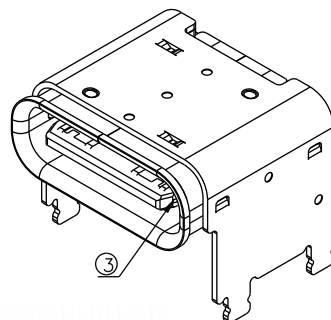
**ROHS**  

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Compatible



Solder point



NOTE:

- 1.MATERIAL SPECIFICATION:  
1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.  
2.CONTACTS:COPPER ALLOY  
3.MID PLATE: STAINLESS STEEL  
4.INSIDE SHELL: STAINLESS STEEL  
5.OUTSIDE SHELL: STAINLESS STEEL

- 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)  
GOLD FLASH PLATING ON SOLDER AREA

- 2-2.INSIDE SHELL OR OUTSIDE SHELL:  
Ni 30u" MIN. UNDER PLATED OVER ALL.

- 3.MECHANICAL PERFORMANCE,  
3-1.INSERTION FORCE: 0.5~2.0kgf.  
3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.  
3-3.DURABILITY: 10000 CYCLES.

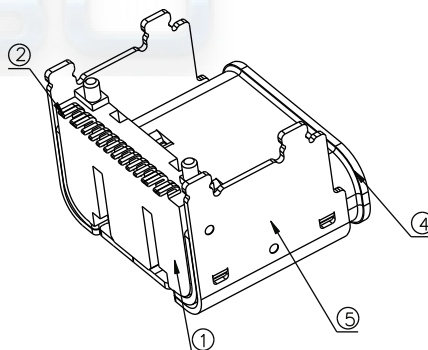
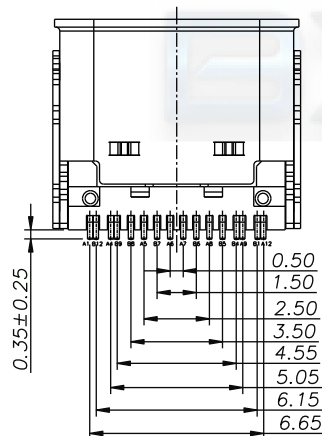
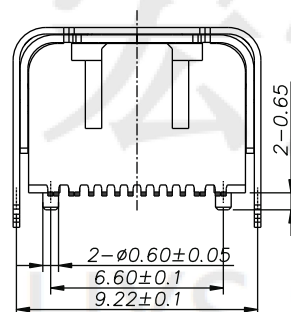
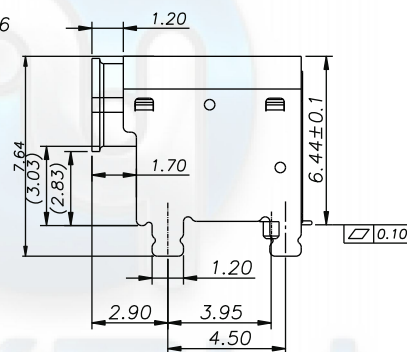
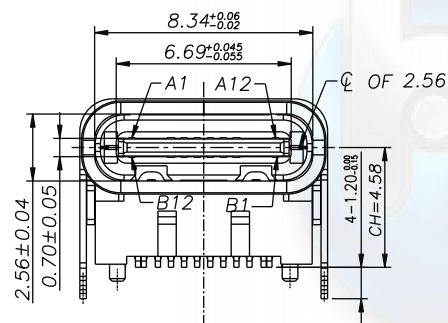
- #### 4.ELECTRICAL PERFORMANCE.

4-1. CURRENT RATING: 5A  
VOLTAGE RATING: 20V  
4-2. INSULATION RESISTANCE: 100MΩ MIN  
4-3. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.  
4-4. LOW CONTACT RESISTANCE: INITIAL 40MΩ  
AFTER 50MΩ

5. ENVIRONMENTAL PERFORMANCE:  
OPERATING TEMPERATURE:  $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$ .

6.IR REFLOW:  
THE PEAK TEMPERATURE ON THE BOARD SHALL  
BE MAINTAINED FOR 10 SECONDS AT 260°C.

|    |      |      |      |      |      |      |
|----|------|------|------|------|------|------|
| U5 | 100- | 16P  | x    | x    | 3.0G | 8.0L |
| ↓  | ↓    | ↓    | ↓    | ↓    | ↓    | ↓    |
| 名称 | 流水号  | PIN位 | N:母座 | Q:卷边 | G:垫高 | L:长度 |



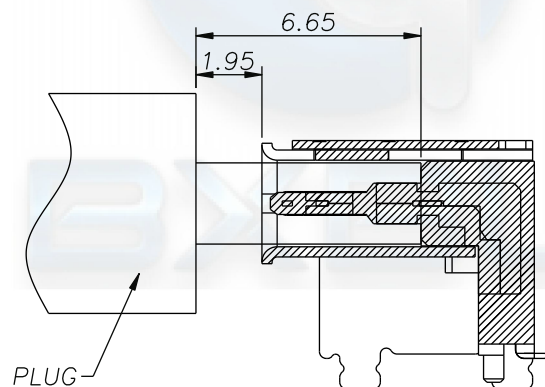
|     |                 |                 |                                                                          |      |
|-----|-----------------|-----------------|--------------------------------------------------------------------------|------|
| 5   | OUTER SHELL     | SUS304 T=0.25MM | NI 40u"MIN                                                               | 1PCS |
| 4   | INNER SHELL     | SUS304 T=0.30MM | NI 40u"MIN                                                               | 1PCS |
| 3   | SHIELDING PLATE | SUS301 T=0.15MM | N/A                                                                      | 1PCS |
| 2   | CONTACT         | C2680 T=0.15MM  | Mating area 1u"Au<br>Solder Tails: G/F<br>Underplate: 80u"Min Ni overall | 2SET |
| 1   | INSERT MOLDING  | LCP UL94V-0     | BLACK                                                                    | 1PCS |
| NO. | DESCRIPTION     | MATERIAL        | REMARKS                                                                  |      |

|          |               |       |               |                                                                                                                                                                    |                                       |                     |  |                                                                                                                                                                                                                                                           |
|----------|---------------|-------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DESIGN   | Li Jinwei     | SCALL |               | <br>TOLERANCE<br>X.X ±0.30 X.°±2°<br>.XX ±0.20 X.°±1°<br>.XXX ±0.10 .XX°±0.5° | DRAWG NO.                             | U5100-16PNQ3.0G8.0L |  | <br><b>广东宏煜盛电子科技有限公司</b><br>Guangdong Hongyusheng Electronic Technology Co., Ltd<br>TEL:0752-6632356 <a href="https://www.hystypec.com">https://www.hystypec.com</a> |
| DRAWING  | Wu Qifa       | UNIT  | mm            |                                                                                                                                                                    | TITLE:                                |                     |  |                                                                                                                                                                                                                                                           |
| CHECK    | Zheng Jinxian | SIZE  | A4: 210 * 297 |                                                                                                                                                                    | 16P 板上四脚插板SMT 卷边 垫高3.0mm CH=4.58 8.0L |                     |  |                                                                                                                                                                                                                                                           |
| APPROVAL | Liu Xiaohong  | DATE  | 2020-06-10    |                                                                                                                                                                    |                                       |                     |  |                                                                                                                                                                                                                                                           |

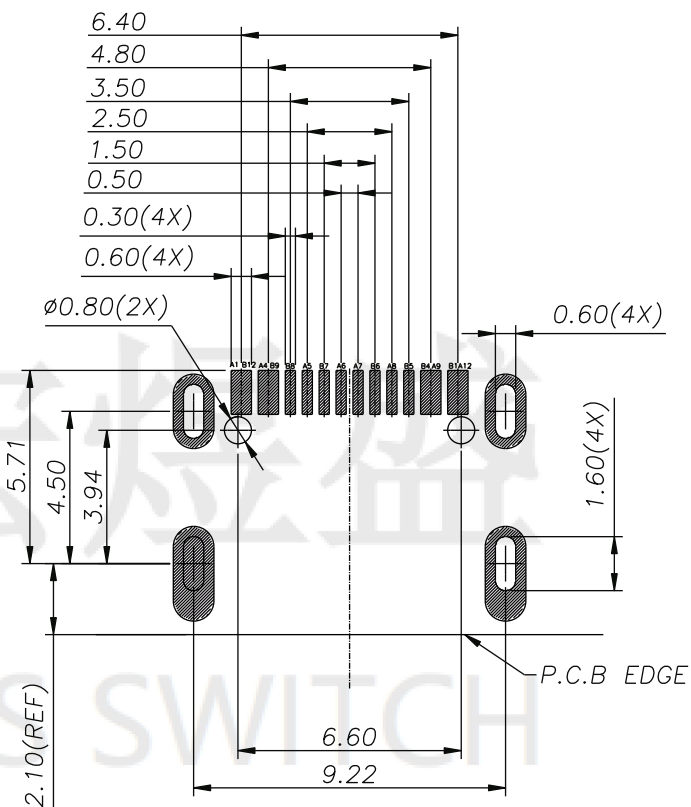
**ROHS**  
Compatible

USB TYPE-C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1         | B7         | Dn2         |
| A7         | Dn1         | B6         | Dp2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | VBUS        | B4         | VBUS        |
| A12        | GND         | B1         | GND         |



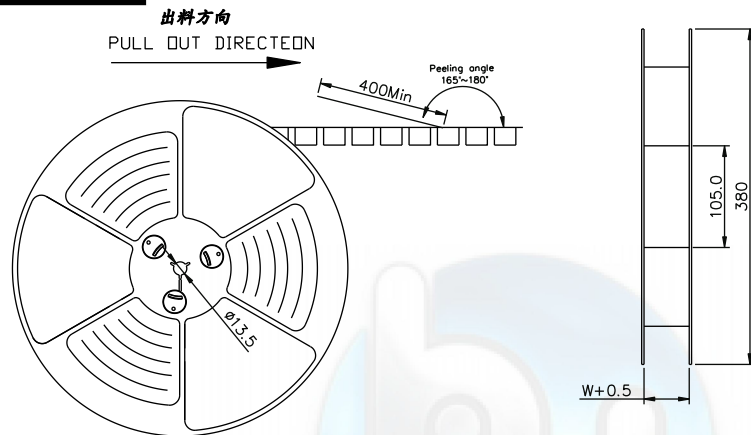
AFTER MATING  
SCALE 1:1



RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)  
TOLERANCE FOR PCB LAYOUT IS  $\pm 0.05$

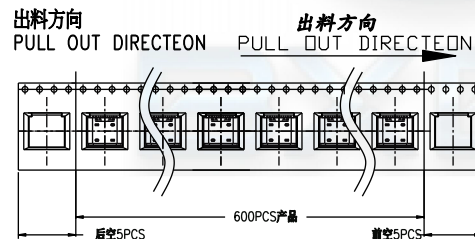
|          |               |       |               |                 |                                  |                                       |                                                                                                                                                            |
|----------|---------------|-------|---------------|-----------------|----------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DESIGN   | Li Jinwei     | SCALL |               |                 | DRAWG NO.<br>U5100-16PNQ3.0G8.0L |                                       | 广东宏煜盛电子科技有限公司<br>Guangdong Hongyusheng Electronic Technology Co., Ltd.<br>TEL:0752-6632356 <a href="https://www.hystypec.com">https://www.hystypec.com</a> |
| DRAWING  | Wu Qifa       | UNIT  | mm            |                 |                                  |                                       |                                                                                                                                                            |
| CHECK    | Zheng Jinxian | SIZE  | A4: 210 * 297 |                 |                                  |                                       |                                                                                                                                                            |
| APPROVAL | Liu Xiaohong  | DATE  | 2020-06-10    |                 |                                  |                                       |                                                                                                                                                            |
|          |               |       |               | TOLERANCE       |                                  | 16P 板上四脚插板SMT 卷边 垫高3.0mm CH=4.58 8.0L |                                                                                                                                                            |
|          |               |       |               | X.X $\pm 0.30$  | X. $^{\circ} \pm 2^{\circ}$      |                                       |                                                                                                                                                            |
|          |               |       |               | .XX $\pm 0.20$  | .X. $^{\circ} \pm 1^{\circ}$     |                                       |                                                                                                                                                            |
|          |               |       |               | .XXX $\pm 0.10$ | .XX. $^{\circ} \pm 0.5^{\circ}$  |                                       |                                                                                                                                                            |

ROHS  
Compatible

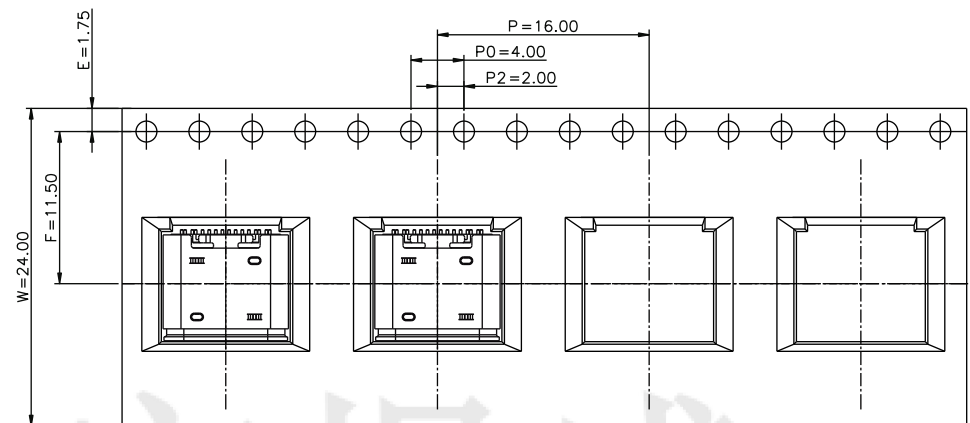


NOTES

1. 帶子引導長度  
LEAD TAPE LENGTH

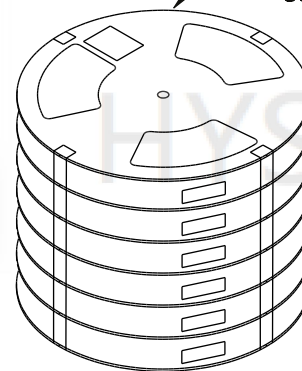


2. 上帶剝離力為: 0.1~1.3N(10.2gf~130gf)  
PEELING OFF FORCE OF TOP TAPE: 0.1~1.3N(10.2gf~130gf)  
出貨運輸過程中一定注意:  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT:  
卷帶在運輸過程中不能散開  
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION



TAPE & REEL 7 PCS

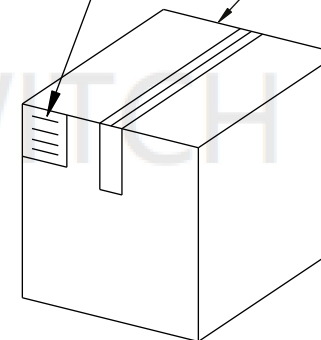
1 REEL  
= 600 PCS



BOX

DIMENSIONS:  
39.5X39.5X20

LABEL



1 CARTON  
=6 REELS  
=3600 PCS

| 包裝明細表 (The detail of the packing) Carton |                         |             |         |                |          |          |
|------------------------------------------|-------------------------|-------------|---------|----------------|----------|----------|
| 產品料號<br>(Product No.)                    | 包裝容量 (Packing Capacity) |             |         | 重量 Weight (Kg) |          |          |
|                                          | pcs/box                 | boxs/Carton | Pcs/Box | N.W./Pcs       | N.W./Box | G.W./Box |
| U5100-16PNQ3.0G8.0L                      | 600                     | 7           | 4200    | —              | —        | —        |

|          |               |       |               |                                                                               |                                       |
|----------|---------------|-------|---------------|-------------------------------------------------------------------------------|---------------------------------------|
| DESIGN   | Li Jinwei     | SCALL |               | <br>TOLERANCE<br>X.X ±0.30 X.°±2°<br>.XX ±0.20 .X°±1°<br>.XXX ±0.10 .XX°±0.5° | DRAWG NO.                             |
| DRAWING  | Wu Qifa       | UNIT  | mm            |                                                                               | U5100-16PNQ3.0G8.0L                   |
| CHECK    | Zheng Jinxian | SIZE  | A4: 210 * 297 |                                                                               | TITLE:                                |
| APPROVAL | Liu Xiaohong  | DATE  | 2020-06-10    |                                                                               | 16P 板上四脚插板SMT 卷边 垫高3.0mm CH=4.58 8.0L |



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