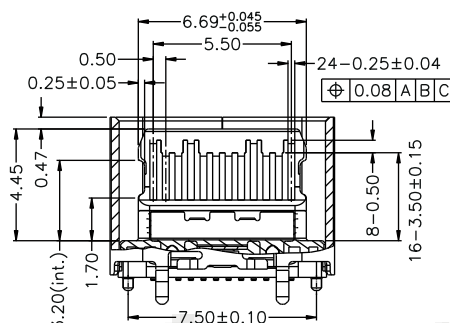
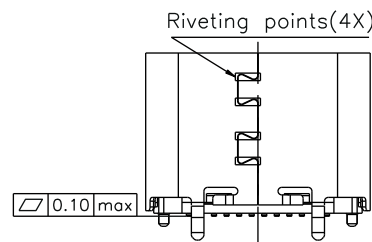
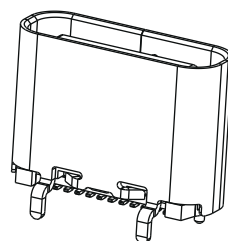
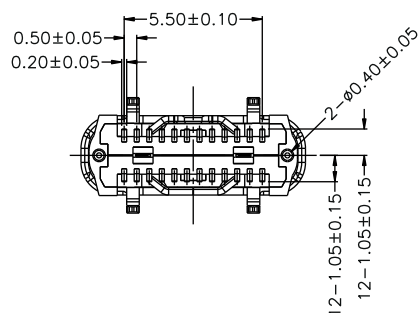
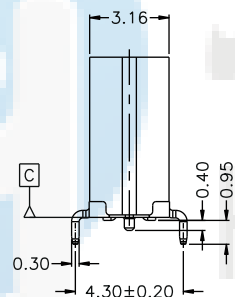
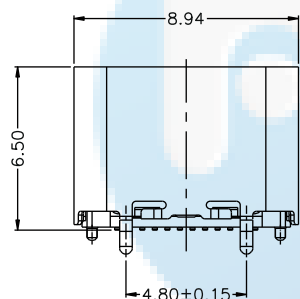
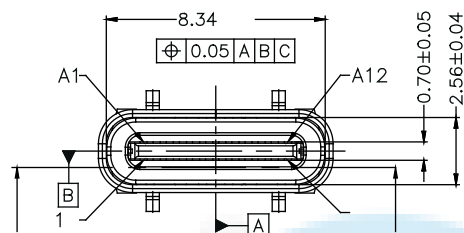


**ROHS**  
**Compatible**



SECTION A-A  
SCALE 1:1

| U5 | 155~ | 24P  | x    | 6. 8L | XX              |
|----|------|------|------|-------|-----------------|
| ↓  | ↓    | ↓    | ↓    | ↓     | ↓               |
| 名称 | 流水号  | PIN位 | N;母座 | L;长度  | 端子电镀规格:         |
|    |      |      |      |       | 01: Au 1u"Min.  |
|    |      |      |      |       | 03: Au 3u"Min.  |
|    |      |      |      |       | 05: Au 5u"Min.  |
|    |      |      |      |       | 10: Au 10u"Min. |
|    |      |      |      |       | 15: Au 15u"Min. |
|    |      |      |      |       | 30: Au 30u"Min. |

NOTE:

1.MATERIAL SPECIFICATION:

1-1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC(LCP),  
UL94 V-0. COLOR:BLACK.

1-2.CONTACTS:COPPER ALLOY(C18150)T=0.12mm  
1-3.MID PLATE: STAINLESS STEEL(SUS301)T=0.15mm  
1-4.EMI PLATE: STAINLESS STEEL(SUS301)T=0.10mm  
1-5.SHELL: STAINLESS STEEL(SUS304)T=0.30mm

2.PLATING SPECIFICATION:

2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au PLATED ON THE MATING AREA OF CONTACT.  
(GOLD PLATING THICKNESS FOLLOW THE P/N)  
GOLD FLASH PLATED ON THE SOLDER AREA.

2-2.SHELL:

Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3.MID PLATE:

2 S.MID T LATE.  
CLEAR ONLY

2-4 FMI PLATE:

2-4. LIMIT LATE.  
CLEAR ONLY

### 3. MECHANICAL PERFORMANCE

3-1.INSERTION FORCE: 0.5~2.0kgf.

3-2. EXTRACTION FORCE: 0.8kgf~2.0kgf.  
0.6kgf~2.0kgf. AFTER DURABILITY TEST.

3-3.DURABILITY: 10000 CYCLES.

4. ELECTRICAL PERFORMANCE.

4-1. CURRENT RATING:5.0A

VOLTAGE RATING:5.0V

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:  $-25^{\circ}\text{C}\sim+85^{\circ}\text{C}$ .

6.IR REFLOW:

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

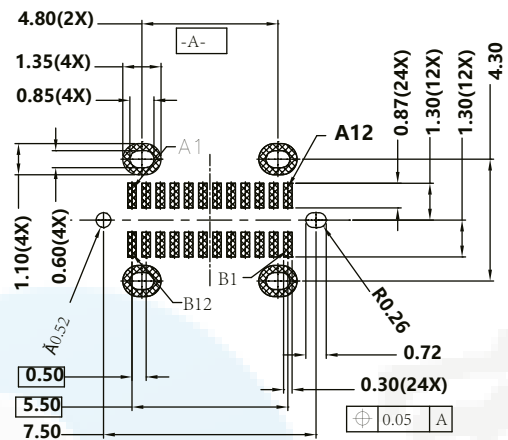
| Item | Title          | Material                 | Dispose                                  | Remark |
|------|----------------|--------------------------|------------------------------------------|--------|
| 1    | Shell          | Stainless Steel          | Ni:30u" Min.                             | _____  |
| 2    | EMI Plate      | Stainless Steel          | Clear Only                               | _____  |
| 3    | Mid Plate      | Stainless Steel          | Clear Only                               | _____  |
| 4    | Top Contact    | Copper Alloy             | Mating Area: See P/N<br>Solder Tails: GF | _____  |
| 5    | Bottom Contact | Copper Alloy             |                                          |        |
| 6    | Insulator      | High Temperature Plastic | UL 94V-0                                 | Black  |

|          |               |       |               |                                                                                                  |                                                                       |
|----------|---------------|-------|---------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| DESIGN   | Li Jinwei     | SCALL |               | <br>TOLERANCE | DRAWG NO.<br>U5155-24PN6.8LXX                                         |
| DRAWING  | Wu Qifa       | UNIT  | mm            |                                                                                                  |                                                                       |
| CHECK    | Zheng Jinxian | SIZE  | A4: 210 * 297 |                                                                                                  | X.X ±0.30    X.°±2°<br>.XX ±0.20    .X°±1°<br>.XXX ±0.10    .XX°±0.5° |
| APPROVAL | Liu Xiaohong  | DATE  | 2020-06-10    |                                                                                                  |                                                                       |

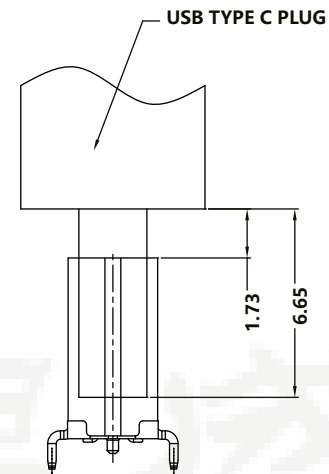


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Dongguan hongyusheng Industry Co., Ltd  
TEL: 0769-81230179 <https://www.hystypec.com>

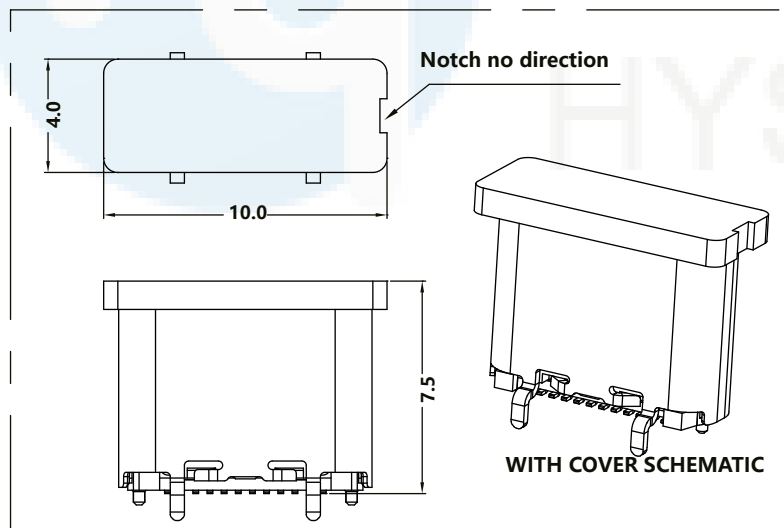
ROHS  
Compatible



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05



FEMALE AND MALE MATCHING DRAWING



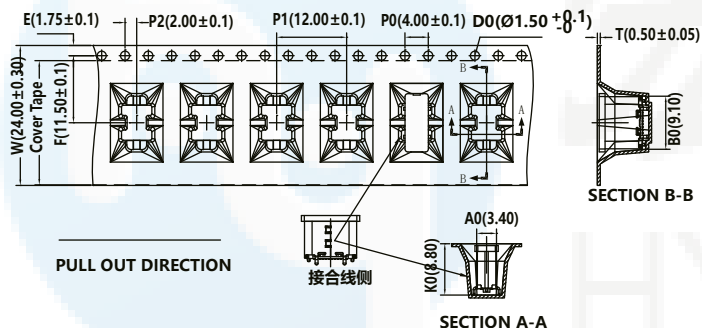
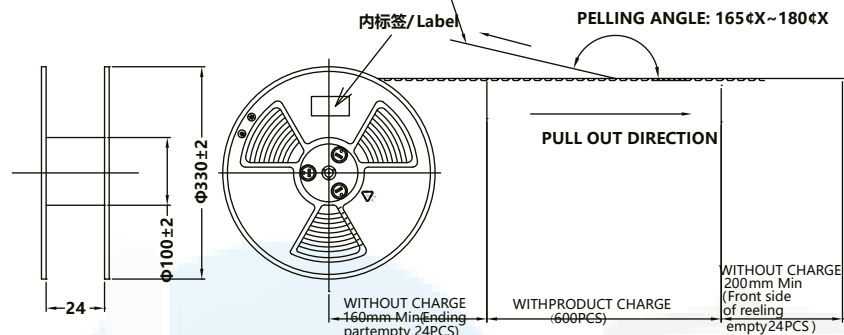
USB TYPE-C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | SSTXp1      | B11        | SSRXp1      |
| A3         | SSTXn1      | B10        | SSRXn1      |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1         | B7         | Dn2         |
| A7         | Dn1         | B6         | Dp2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | VBUS        | B4         | VBUS        |
| A10        | SSRXn2      | B3         | SSTXn2      |
| A11        | SSRXp2      | B2         | SSTXp2      |
| A12        | GND         | B1         | GND         |

|          |               |        |               |                                                                                                                                                                  |           |                   |                                                                                                                                                                                                                                       |
|----------|---------------|--------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DESIGN   | Li Jinwei     | SC ALL |               | <br>TOLERANCE<br>X.X ±0.30 X.°±2°<br>.XX ±0.20 .X°±1°<br>.XXX ±0.10 .XX°±0.5° | DRAWG NO. | U5155-24PN6.8LXX  | <br>东莞市宏煜盛实业有限公司<br>Dongguan hongyusheng Industry Co., Ltd<br>TEL: 0769-81230179 <a href="https://www.hystypec.com">https://www.hystypec.com</a> |
| DRAWING  | Wu Qifa       | UNIT   | mm            |                                                                                                                                                                  | TITLE:    | 24P立式四脚插板SMT 6.5L |                                                                                                                                                                                                                                       |
| CHECK    | Zheng Jinxian | SIZE   | A4: 210 * 297 |                                                                                                                                                                  |           |                   |                                                                                                                                                                                                                                       |
| APPROVAL | Liu Xiaohong  | DATE   | 2020-06-10    |                                                                                                                                                                  |           |                   |                                                                                                                                                                                                                                       |

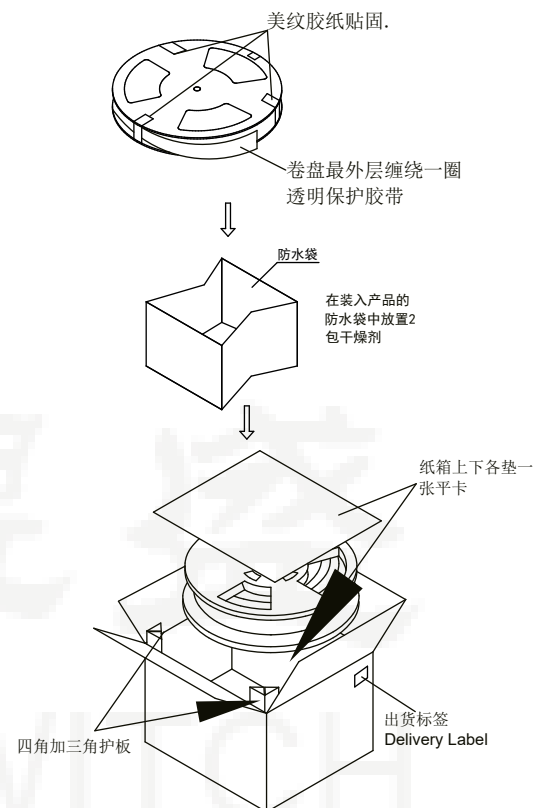
ROHS  
Compatible

AROUND THE OUTER PERIPHERY IN A TURE.  
WEEDING THE COVER TAPE.



| NO. | 包材名称<br>Items           | 包材料号<br>Item no | 用量<br>Usage | 适用类别<br>Series            | 备注 / Remark               |
|-----|-------------------------|-----------------|-------------|---------------------------|---------------------------|
| ①   | 纸箱<br>Carton            | PE027           | 1           | (空白纸箱<br>Blank<br>carton) | 外尺寸<br>375*375*310mm, K=K |
| ②   | PE Bag                  | P120198-01      | 2           |                           | 600*600*0.05mm            |
| ③   | 载带<br>carrier tape      | PB279           | 10          |                           | W=24mm, 7.776m/R透明PET     |
| ④   | 自粘上带<br>cover tape      | P120122-01      | 1           | 自粘上带                      | W=21.3MM, 200m/R透明色       |
| ⑤   | 塑胶卷轴<br>Plastic Reel    | P120021-01      | 10          |                           | Ø330mm, W=30mm            |
| ⑥   | 干燥剂<br>Desiccant        | P120012-01      | 10          |                           |                           |
| ⑦   | 三角卡板/<br>平卡             |                 | 4/2         |                           | 365*300*5mm/360*360*5mm   |
| ⑧   | 合格标签<br>Qualified Label |                 | 10          |                           | 80*35mm                   |
| ⑨   | 出货标签<br>Delivery Label  |                 | 1           |                           | 80*50mm                   |
| ⑩   | 保护带<br>Protect tape     | PB284           | /           |                           | W24*400M/R                |

| 产品规格<br>Product spec. |                     | /    |
|-----------------------|---------------------|------|
| 包装容量<br>QTY           | 个 / 卷<br>Pcs/Reel   | 600  |
|                       | 卷 / 箱<br>Reel/Ctos. | 10   |
|                       | 个 / 箱<br>Pcs/Ctos.  | 6000 |



#### 包装规范说明:

1. 如图所示首先CARRIER TAPE (载带) 需预留24PCS空格后方可置入成品,并附COVER TPAE(上带)覆盖于上,再配合带装机自动卷绕于REEL(塑胶卷轴)收料。  
As shown from picture, the initial starting carrier need to be emptied for 24 pcs, then put connector on Inth carrier; Then cover it with Cover Tape, and Reeling it with Reel auto machine .
2. 在定量包装完成后,前端CARRIER TAPE亦需预留24PCS空格,而COVER TPAE配合CARRIER TYPE长度覆盖后,并须再超出200mm以上,最后以胶纸贴固,并于REEL盘上方贴合格标签1张。  
In the end of the Reel, need to empty 24 pcs carrier tape; After covering the carrier, then the Cover Tape need to be 200mm longer, and use tape to fix the cover tape to the reel. Put "Qualified label" on the Reel.
3. 注意:COVER TAPE不可浮起或有贴附不顺,歪斜及成品放置方向错误之现象.卷盘最外层需缠绕一圈保护带,再按图示贴3处美纹胶. Attention: no deformation of Cover Tape is allowed (protruded plastic, or not smooth, bednt or product is wrong positioned), The out layer of the reel needs to be wound with a protective tape, and 3 places of masking tape are attached as shown in the figure.
4. 在纸箱内左右,前后侧各放入一块三角卡板,每个PE袋中装入5个REEL盘,并在PE袋中放入2PCS干燥剂,用胶带封好.在每个纸箱内装入10PCS卷盘,共2叠.纸箱内上下各垫一张平卡, 盖上箱盖后以胶带封箱,于侧位置贴出货标签一张. Inside of carton, at left and right side, put triangle fixed card; Put 5 Reels to PE bag, and put 1 bags of desiccant inside the PE bag. Each carton has 10 reels. Put "Delivery label" on side of the carton.
5. 零箱部分, 出货时须用缓冲物填满。  
The fractional box must be filled by cushion before shipment.

|          |               |        |               |                                                                                                                                                                  |           |                   |
|----------|---------------|--------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|
| DESIGN   | LI Jinwei     | SC ALL |               | <br>TOLERANCE<br>X.X ±0.30 X.°±2°<br>.XX ±0.20 .X°±1°<br>.XXX ±0.10 .XX°±0.5° | DRAWG NO. | U5155-24PN6.8LXX  |
| DRAWING  | Wu Qifa       | UNIT   | mm            |                                                                                                                                                                  | TITLE:    | 24P立式四脚插板SMT 6.5L |
| CHECK    | Zheng Jinxian | SIZE   | A4: 210 * 297 |                                                                                                                                                                  |           |                   |
| APPROVAL | Liu Xiaohong  | DATE   | 2020-06-10    |                                                                                                                                                                  |           |                   |



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