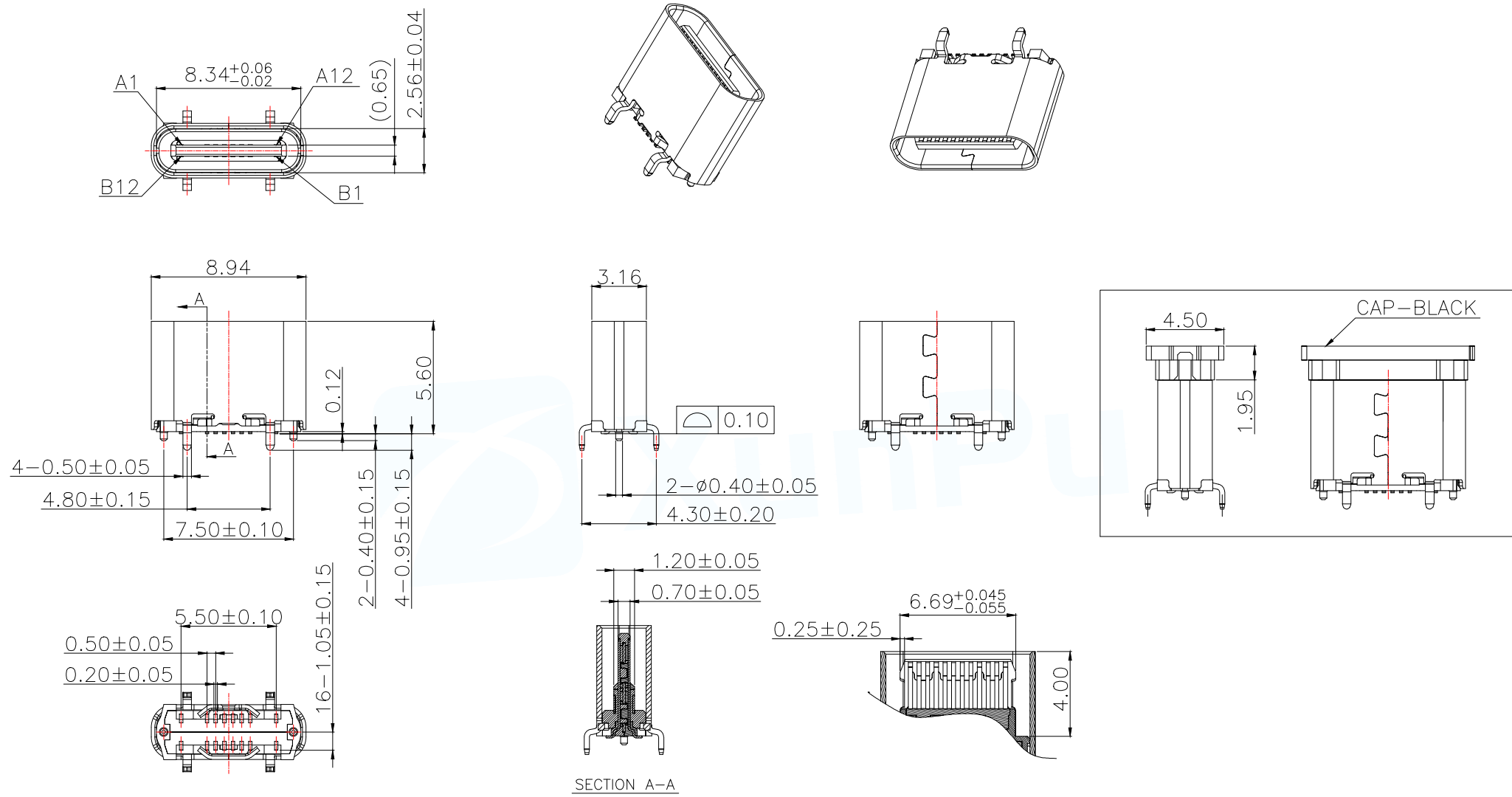
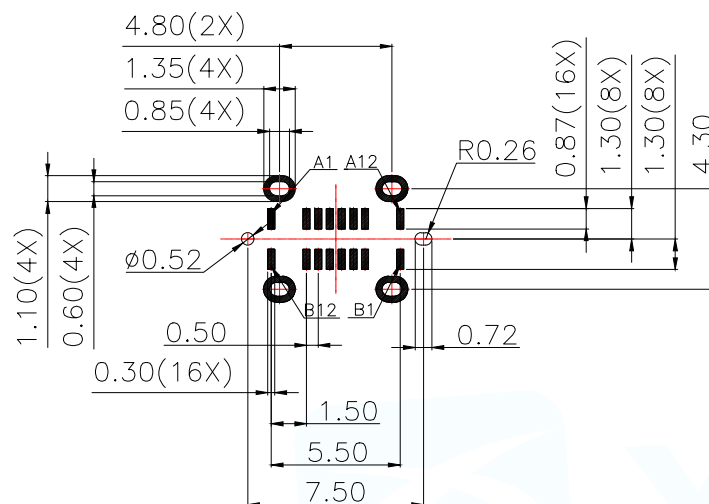




Note: 24pin with ground plate; 16pin without ground plate;

| NO. | PART NAME    | Q'TY | MATERIAL             | FINISH            | MANUFACTURE DWG                       |             | 东莞市讯普电子科技有限公司<br>DongGuan XunPu Electronics Co.,Ltd |                                               |                     |
|-----|--------------|------|----------------------|-------------------|---------------------------------------|-------------|-----------------------------------------------------|-----------------------------------------------|---------------------|
| 1   | Shell        | 1    | SUS304-1/2H,T=0.30mm | 50u"Ni Min.       | UNLESS OTHERWISE SPECIFIED TOLERANCES |             |                                                     | TITLE:TYPE-C Vertical Type Double Row SMT REC |                     |
| 2   | TERMINAL     | 2    | C7025 TM04,T=0.12mm  | 1u"Au/50u"Ni Min. |                                       |             |                                                     | PAR                                           | TYPEC-303-ACP16H056 |
| 3   | MID PLATE    | 1    | SUS301-H,T=0.15mm    | wash              | DECIMALS:                             | ANGLES:     |                                                     | DWN                                           | Lucas               |
| 4   | GROUND PLATE | 2    | SUS301-H,T=0.10mm    | wash              | X.:±0.50                              | X':±5°      |                                                     | CHKD                                          | Ethan               |
| 5   | Housing      | 1    | LCP                  | UL 94 V-0         | X.X:±0.35                             | X.X':±3°    |                                                     | APVD                                          | Jacob               |
|     |              |      |                      |                   | X.XX:±0.25                            | X.XX':±2.5° | CUSTOMER COPY                                       |                                               | SCALE:1:1           |
|     |              |      |                      |                   |                                       |             | SIZE:A4                                             |                                               | UNIT:MM             |
|     |              |      |                      |                   |                                       |             | SHEET:1F3                                           |                                               | REV:A               |

## RECOMMENDED P.C.B. LAYOUT(16 Pin)



TOLERANCE UNSPECIFIED  $\pm 0.05\text{mm}$   
RECOMMENDED PCB THICKNESS:  $0.8 \pm 0.10\text{mm}$

## USB TYPE-C 16PIN 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         |

## SPECIFICATION:

## 1. MATERIAL:

- 1-1.HOUSING&MOLDING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0 COLOR:BLACK
- 1-2.CONTACTS:COPPER ALLOY  $T=0.12\text{mm}$
- 1-3.SHELL:STAINLESS STEEL SUS304-1/2H, $T=0.30$
- 1-4.MID PLATE: STAINLESS STEEL(SUS301) $T=0.15\text{mm}$
- 1-5.EMI PLATE: STAINLESS STEEL(SUS301) $T=0.10\text{mm}$

## 2.PLATING SPECIFICATION:

## 2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au PLATED ON THE MATING AREA OF CONTACT.  
MATTE SN PLATED ON THE SOLDER AREA.

## 2-2.SHELL:Ni 30u" MIN. UNDER PLATED OVER ALL.

## 2-3.MID PLATE:CLEAR ONLY

## 2-4.EMI PLATE:CLEAR ONLY

## 3. MECHANICAL:

- 3.1.MATING FORCE:0.5~2.0kgf;
- 3.2.UNMATING FORCE:0.8~2.0kgf.  
0.6~2.0kgf AFTER DURABILITY TEST;
- 3.3.DURABILITY:10000 CYCLES;

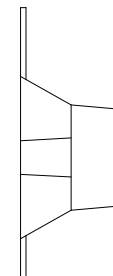
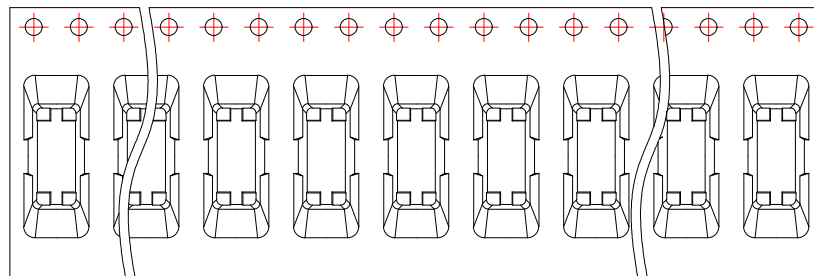
## 4.ELECTRICAL:

- 4.1.CURRENT RATING:5A Max;
- 4.2.VOLTAGE RATING:20V Max;
- 4.3.DIELECTRIC WITHSTANDING VOLTAGE:100VAc;
- 4.4.CONTACT RESISTANCE:40m Ohms Max.;
- 4.5.INSULATION RESISTANCE:100M Ohms Min.;

## 5.ENVIRONMENTAL:

- 5.1.OPERATING TEMPERATURE: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ ;
- 5.2.WETTING TEMPERATURE: $265 \pm 5^{\circ}\text{C}$ ,  $5 \pm 0.5\text{s}$

| MANUFACTURE DWG                       |                          |  东莞市讯普电子科技有限公司<br>DongGuan XunPu Electronics Co.,Ltd |                     |
|---------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| UNLESS OTHERWISE SPECIFIED TOLERANCES |                          |                                                      |                     |
|                                       |                          |                                                                                                                                           |                     |
| DECIMALS:                             | ANGLES:                  | TITLE:TYPE-C Vertical Type<br>Double Row SMT REC                                                                                          |                     |
| X.: $\pm 0.50$                        | X': $\pm 5^{\circ}$      | PAR                                                                                                                                       | TYPEC-303-ACP16H056 |
| X.X: $\pm 0.35$                       | X.X': $\pm 3^{\circ}$    | DWN                                                                                                                                       | Lucas               |
| X.XX: $\pm 0.25$                      | X.XX': $\pm 2.5^{\circ}$ | CHKD                                                                                                                                      | Ethan               |
|                                       |                          | APVD                                                                                                                                      | Jacob               |
|                                       |                          | SCALE 1:1                                                                                                                                 | UNIT:MM             |
|                                       |                          | CUSTOMER COPY                                                                                                                             | SIZE:A4             |
|                                       |                          |                                                                                                                                           | SHEET:2F3           |
|                                       |                          |                                                                                                                                           | REV:A               |

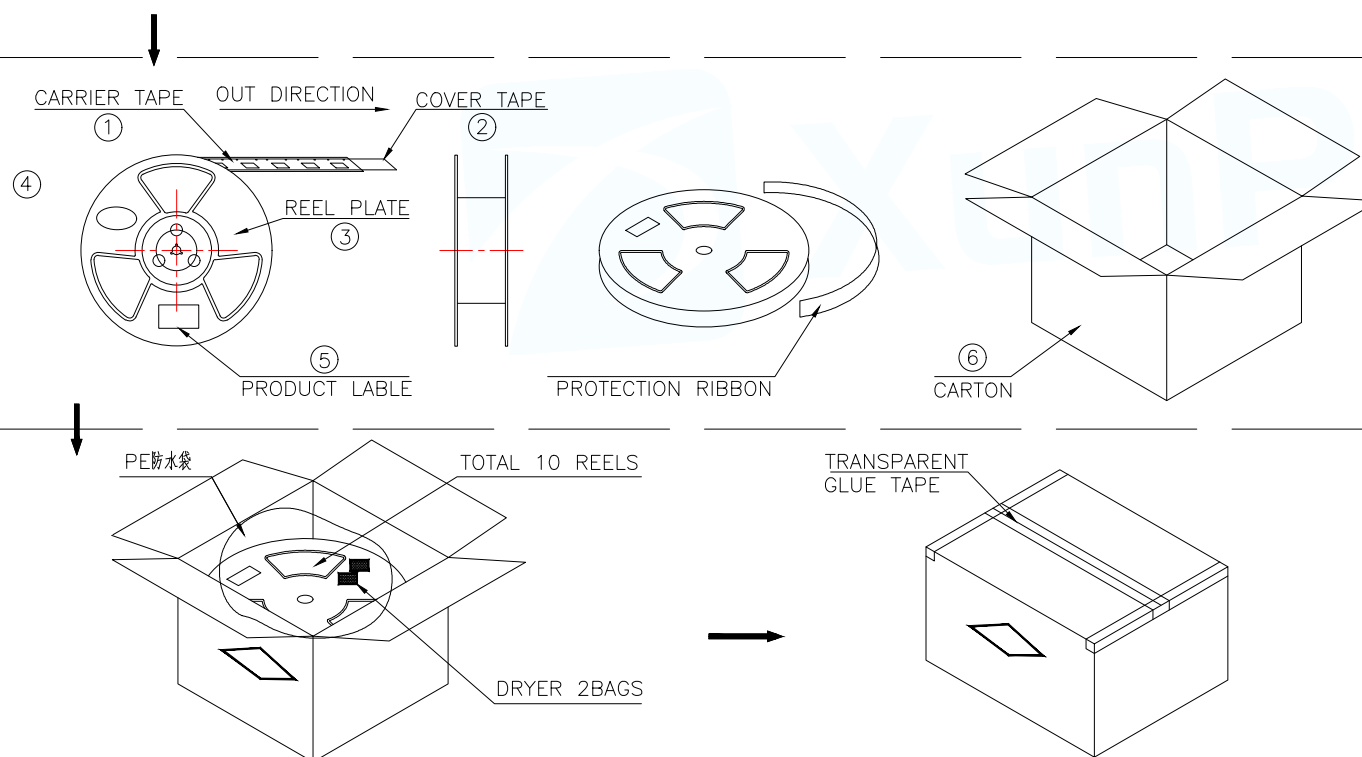


说明:

- 1.每卷前后各空XXPCS,尾部用美纹胶纸封住;
- 2.将产品放满盘后,再卷一圈保护带,用美纹胶纸将其封住,并贴上1Pcs物料标签;
- 3.每10卷盘一叠共XXXPcs并装入1个外箱内;
- 4.在搬运过程中要轻拿轻放;
- 5.在运输中不可堆放过多(1.8M最高),不可重压;
- 6.跌落测试条件:

成品箱从1.2米高度自由落体(一角三棱六面):

- a.产品不可跑出下带凹槽;
- b.产品不可有摔伤,变形;
- c.内包装材料不可严重破损.



| NO. | NAME              | SPEC            | Q'TY            |
|-----|-------------------|-----------------|-----------------|
| 0   | TYPE C RECEPTACLE |                 | XXXPCS/CARTON   |
| 1   | CARRIER TAPE      | W=24mm,T=0.50mm | XXXPCS/PLATE    |
| 2   | COVER TAPE        | W=21.5mm        | 10PLATES/CARTON |
| 3   | REEL PLATE        | ø330*100*24.4mm | 10PCS/CARTON    |
| 4   | RoHS LABEL        |                 | 10PCS/CARTON    |
| 5   | PRODUCT LABER     |                 | 10PCS/CARTON    |
| 6   | CARTON            | 350*340*310mm   | 1PCS/PACKAGE    |

MANUFACTURE DWG

东莞市讯普电子科技有限公司  
DongGuan XunPu Electronics Co.,LtdUNLESS OTHERWISE  
SPECIFIED TOLERANCESTITLE:TYPE-C Vertical Type  
Double Row SMT REC

DECIMALS:

ANGLES:

X.:±0.50

X':±5°

X.X:±0.35

X.X':±3°

X.XX:±0.25

X.XX':±2.5°

PAR TYPEC-303-ACP16H056

DWN Lucas

CHKD Ethan

APVD Jacob

SCALE:1:1 UNIT:MM

SIZE:A4 SHEET:3F3

REV:A