

| REV. | ECN Number | Description                | Drawn      |
|------|------------|----------------------------|------------|
| 1    | CS17030125 | RELEASE                    | 2017/03/30 |
| 2    | E17070040  | Modify the specification ② | 2017/07/12 |

# Specification:

## 1.Material:

- 1.1 Housing: High temperature thermoplastic; natural color.
- 1.2 Contact: Copper alloy,  $t=0.25\text{mm}$
- 1.3 Shell: Steel,  $t=0.30\text{mm}$
- 1.4 Shrapnel: Steel,  $t=0.25\text{mm}$  ②
- 1.5 Rear cover: Steel,  $t=0.25\text{mm}$  ②
- 1.6 Mylar:  $t=0.08\text{mm}$  ②

## 2.Plating: ②

- 2.1 Contact: gold on contact area and tin on solder tail with nickel underplating
- 2.2 Shell: tin on nickel plating
- 2.3 Shrapnel: nickel plating
- 2.4 Rear cover: nickel plating

## 3.Electrical Characteristics

- 3.1 Voltage Current rating: 2.5AMP, 30VAC
- 3.2 Insulation resistance: 1000 M $\Omega$  Min DC500V.
- 3.3 Contact resistance: 30 m $\Omega$  Max.

## 4.Mechanical Characteristics:

- 4.1 Matching Cycles: 5000 Cycles.

## 5.Environmental

- 5.1 Operating Temperature:  $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

## 6. "▽"Size for cpk.

## 7.Product Number Matrix:

AU21-XXXX-X-1

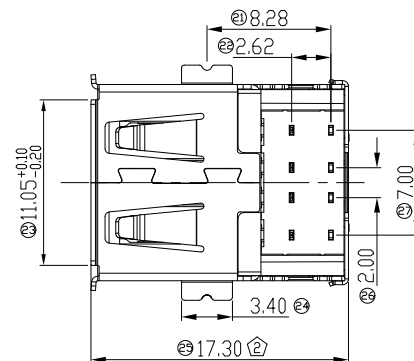
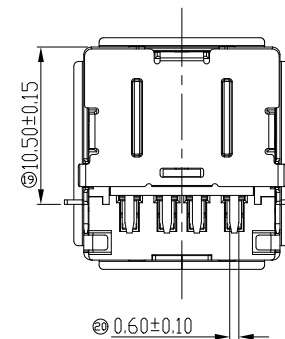
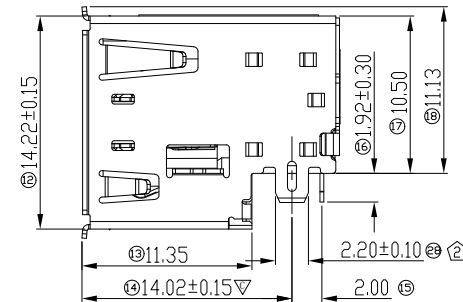
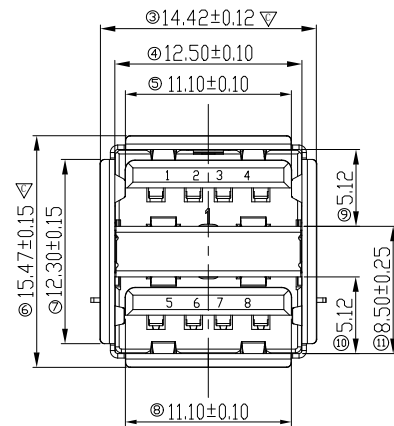
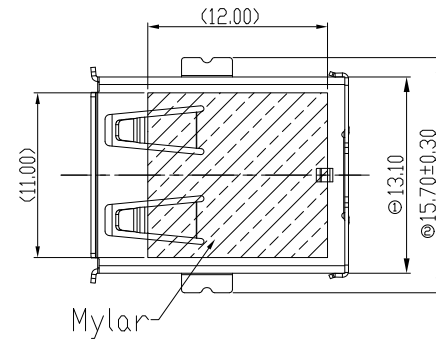
PIN NO.

NULL: Thermoplastic  
F: High Temperature  
Thermoplastic  
H: Halogen Free  
PACKING:

## ELECTROPLATING CODE:

| Definition                 | Code            |
|----------------------------|-----------------|
| ◎ Matte Tin plated         | A               |
| ◎ Bright Tin plated        | V               |
| ◎ Gold plated over all     |                 |
| Flash                      | B 1u" R 3u" C   |
| 5u"                        | D 10u" E 15u" F |
| 20u"                       | G 25u" H 30u" J |
| ◎ Duplex plated            |                 |
| Flash                      | K 1u" S 3u" L   |
| 5u"                        | M 10u" N 15u" P |
| 20u"                       | Q 25u" T 30u" U |
| ◎ All plated is lead free. |                 |

|               |
|---------------|
| A: PE         |
| C: REEL+MYLAR |
| K: REEL       |



ShenZhen ShenTai weiXiang Electronics Co.Ltd

TOLERANCE UNLESS OTHERWISE SPECIFIED

|       |       |       |     |
|-------|-------|-------|-----|
| X.X   | ±0.30 | X.*   | ±3° |
| X.XX  | ±0.20 | X.X*  | ±2° |
| X.XXX |       | X.XX* | ±1° |

SCALE 2:1

UNIT mm

SIZE A4



ORIGINAL DRAWN: YH

CHECK: Yanghong

APPROVE: Ady zhou

DATE 2017/09/05

DATE 2017/09/05

DATE 2017/09/05

DWG.NO.

600-0000-0199

PARTS NO.(INTENDED USE)

AU21-08UC-F-1

TITLE

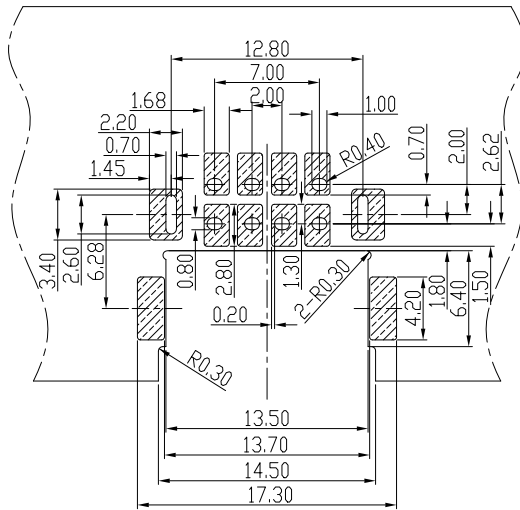
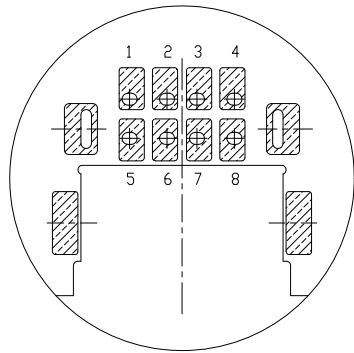
USB2.0 A TYPE R/A,  
STACKED DUAL PORT  
CUSTOMER DRAWING

REV.

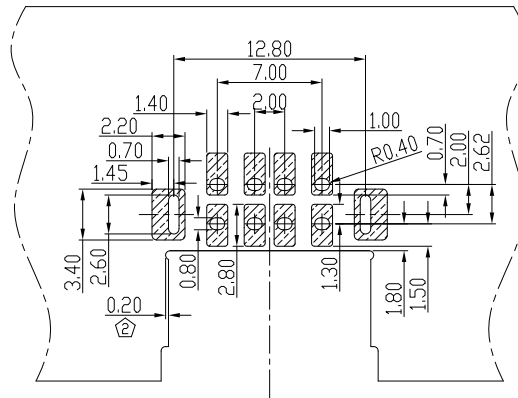
2

SHEET

1/4

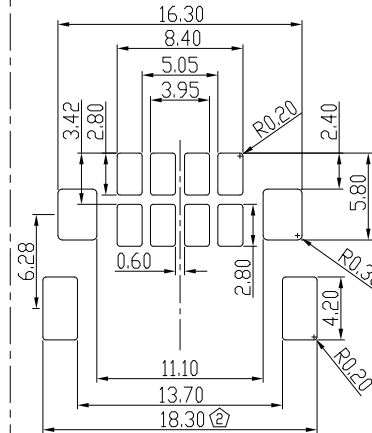


RECOMMENDED PCB LAYOUT (TOP SIDE)  
TOLERANCE  $\pm 0.05$

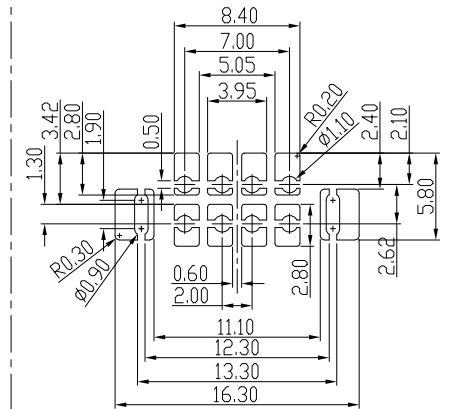


RECOMMENDED PCB LAYOUT (BOTTOM SIDE)  
TOLERANCE  $\pm 0.05$

PAD AREA



STEEL MESH (TOP SIDE) T=0.12mm



STEEL MESH (BOTTOM SIDE) T=0.12mm

BSTEEL MESH HOLE



ShenZhen ShenTai weiXiang Electronics Co.Ltd

TOLERANCE UNLESS OTHERWISE SPECIFIED

|       |            |       |           |
|-------|------------|-------|-----------|
| X.X   | $\pm 0.30$ | X.*   | $\pm 3^*$ |
| X.XX  | $\pm 0.20$ | X.X*  | $\pm 2^*$ |
| X.XXX |            | X.XX* | $\pm 1^*$ |

SCALE 2:1

UNIT mm

SIZE A4



ORIGINAL DRAWN: YH

CHECK: Yanghong

APPROVE: Ady zhou

DATE 2017/09/05

DATE 2017/09/05

DATE 2017/09/05

DWG.NO.

600-0000-0199

PARTS NO.(INTENDED USE)

AU21-08UC-F-1

TITLE

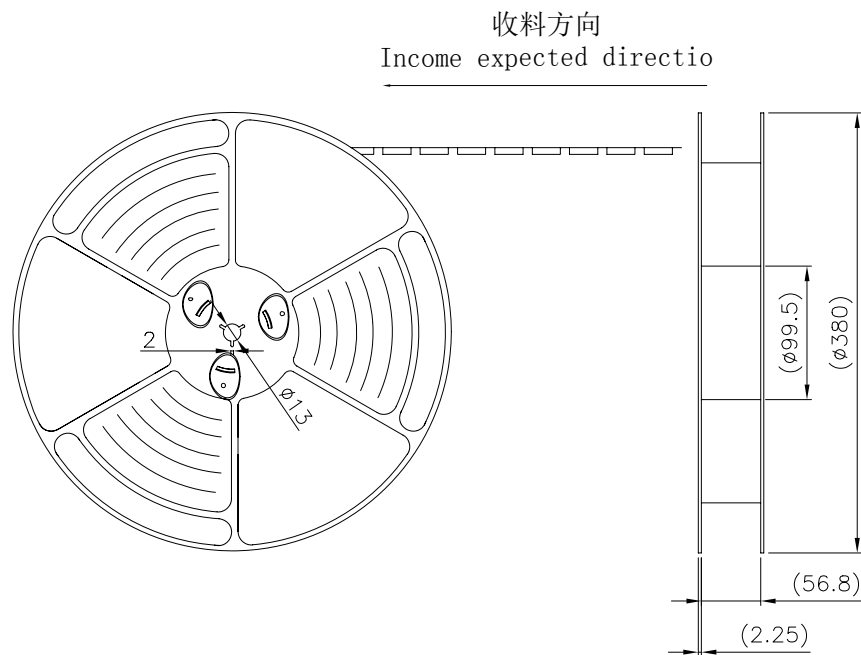
USB2.0 A TYPE R/A,  
STACKED DUAL PORT  
CUSTOMER DRAWING

REV.

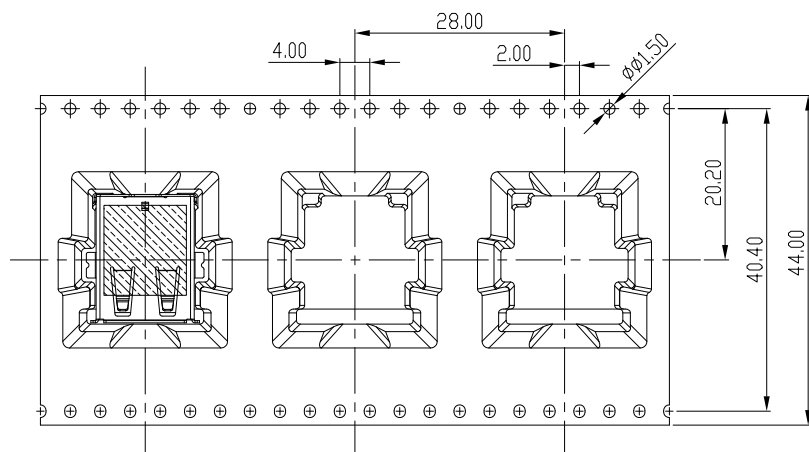
2

SHEET

2/4



收料方向  
Income expected directio

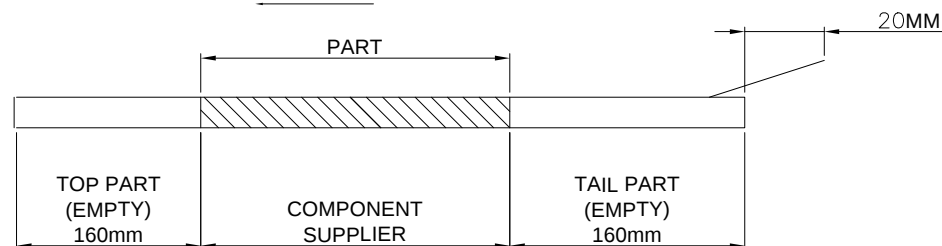


## NOTES

1. 每卷包装数量及每箱装箱数量如下表格.  
Packing q'ty of each reel & carton as below table shown.

2. 带子引导长度.  
Lead tape length.

收料方向  
Income expected direction

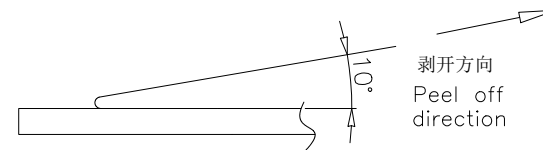


3. 上带剥拉力为: 0.1~1.3N(10.2gf~130gf)  
Peeling off force of top tape:0.1~1.3N(10.2gf~130gf)

出货运输过程中一定注意:  
This requirement should be applied at shipment:

卷带在运输过程中不能散开

Peeling off should not be allowed during transportation.



ShenZhen ShenTai weiXiang Electronics Co.,Ltd

TOLERANCE UNLESS OTHERWISE SPECIFIED

|       |       |       |     |
|-------|-------|-------|-----|
| X.X   | ±0.30 | X.*   | ±3° |
| X.XX  | ±0.20 | X.X*  | ±2° |
| X.XXX |       | X.XX* | ±1° |

SCALE 2:1

UNIT mm

SIZE A4



ORIGINAL DRAWN: YH

CHECK: Yanghong

APPROVE: Ady zhou

DATE 2017/09/05

DATE 2017/09/05

DATE 2017/09/05

DWG.NO.

600-0000-0199

PARTS NO.(INTENDED USE)

AU21-08UC-F-1

TITLE

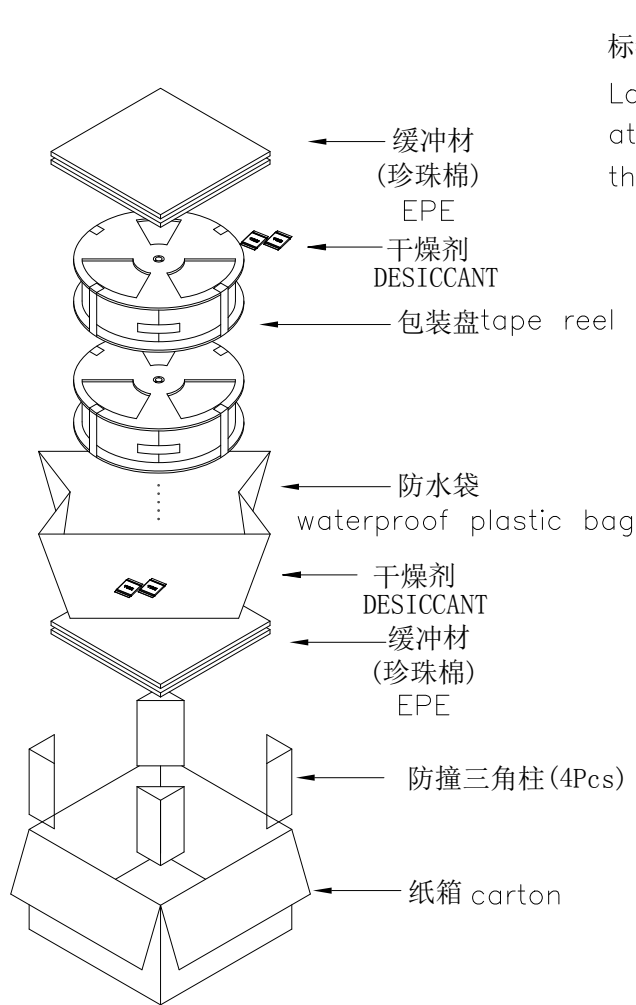
USB2.0 A TYPE R/A,  
STACKED DUAL PORT  
CUSTOMER DRAWING

REV.

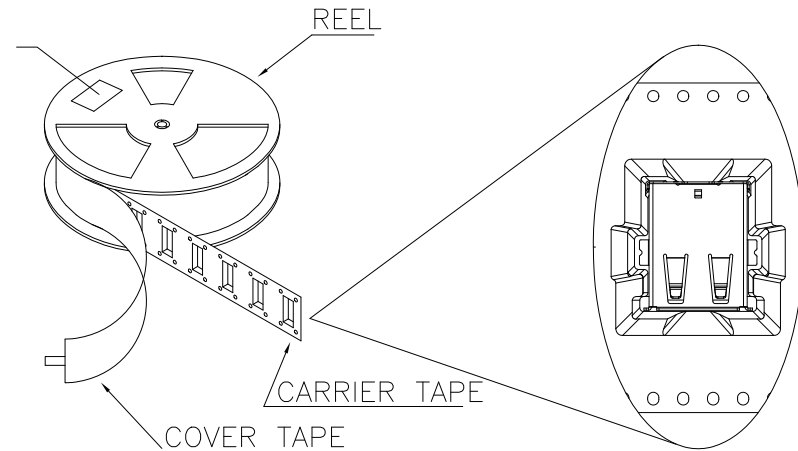
2

SHEET

3/4



标签黏贴处 (朝卷装包材的小定位孔一侧)  
Location of label sticking (label  
at small positioning hole of  
the carrier tape side).



#### NOTE:

- 每卷包装数量及每箱装箱数量如下表格。  
Packing q'ty of each reel & carton as below  
table shown.
- 每个PE防水袋放入产品后，上下各放2包干燥剂  
Each PE tape into product，the top and bottom of each  
put 2 bags of desiccant.
- 以上胶带覆盖下包装带经包装机包装。  
Use cover tape to cover and seal up.
- 每个纸箱放2个珍珠棉  
Every carton use 2pcs EPE.
- 将装满产品的卷盘放入纸箱并以胶带封口。  
Put reels in the carton and use  
adhesive tape to seal up.

| 产品料号<br>(PRODUCT No.) | 包装数量 (PACKING CAPACITY) |              |            |
|-----------------------|-------------------------|--------------|------------|
|                       | PCS/REEL                | REELS/CARTON | PCS/CARTON |
| AU21-08UC-F-1         | 180                     | 4            | 720        |



ShenZhen ShenTai weiXiang Electronics Co.,Ltd

TOLERANCE UNLESS OTHERWISE SPECIFIED

|       |       |       |     |
|-------|-------|-------|-----|
| X.X   | ±0.30 | X.*   | ±3° |
| X.XX  | ±0.20 | X.X*  | ±2° |
| X.XXX |       | X.XX* | ±1° |

SCALE 2:1

UNIT mm

SIZE A4



ORIGINAL DRAWN: YH

CHECK: Yanghong

APPROVE: Ady zhou

DATE 2017/09/05

DATE 2017/09/05

DATE 2017/09/05

DWG.NO.

600-0000-0199

PARTS NO.(INTENDED USE)

AU21-08UC-F-1

TITLE

USB2.0 A TYPE R/A,  
STACKED DUAL PORT  
CUSTOMER DRAWING

REV.

2

SHEET

4/4