

# CUSTOMER DRAWING

| REVISIONS |         |             |            |          |
|-----------|---------|-------------|------------|----------|
| SYM       | ECN No. | DESCRIPTION | DATE       | APPROVED |
| A         |         | NEW         | 04/27/2016 | JOHNSON  |



## NOTES:

### 1.MECHANICAL:

INSERTION: 5~20N.

EXTRACTION: 8~20N.

DURABILITY: 10000 CYCLES

### 2.ELECTRICAL:

CURRENT: 5A MIN FOR VBUS;  
0.25A MIN FOR OTHER.

VOLTAGE: 5VAC MAX

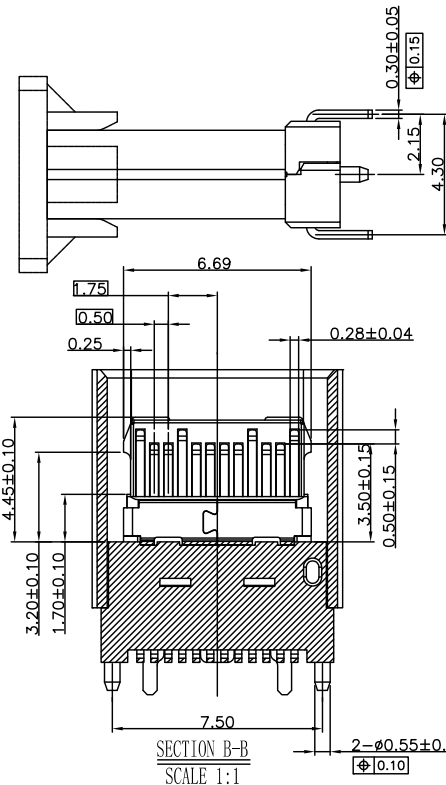
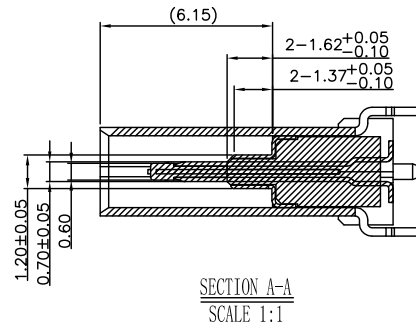
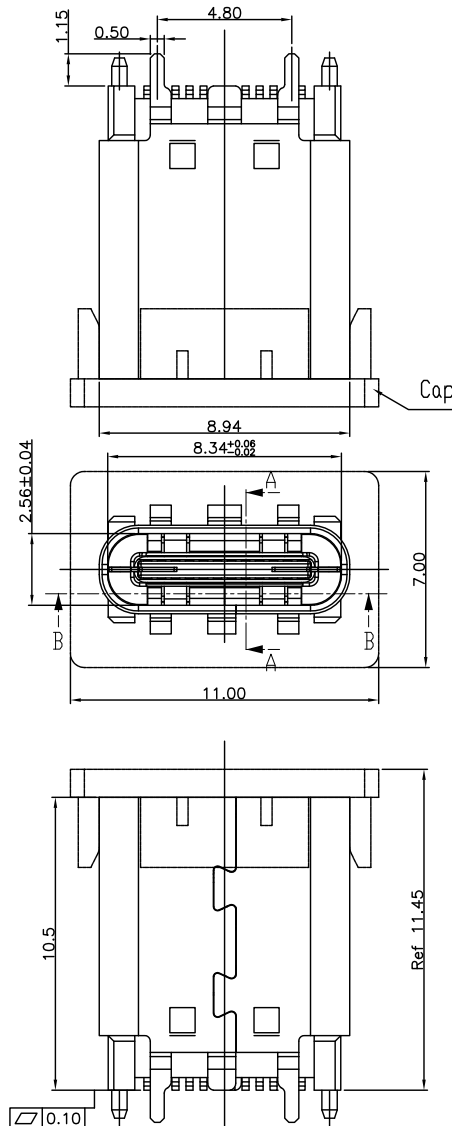
WITHSTANDING VOLTAGE: 100V AC.

CONTACT RESISTANCE: 40mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN.

### 3.ENVIRONMENTAL

TEMPERATURE RANGE -55°C ~ +85°C



T50E7302 X XX X 0ET

### CANTACT PLATING

0=G/F  
1=2~3U  
2= 5U  
3=10u  
4=15u  
5=30u

### PACKING OPTION

0=TAPE & Reel Packing  
1=Tube Packing  
2=Tray packing

### SPECIAL OPTION

00=黑膠芯+ PCB (3A5V)+無線夾  
01=黑膠芯+ PCB (3A5V)+帶線夾 (U2 28#+28#)  
02=黑膠芯+ PCB (3A5V)+帶線夾 (U2 30#+28#+32#)  
03=黑膠芯+ PCB (3A5V)+帶線夾 (U3.1 32#+32#+23#)  
04=黑膠芯+ PCB (3A5V)+帶線夾 (U3.1 30#+34#+23#)

| TOLERANCE<br>UNIT( mm)     | APPROVALS           | DATE       | TC&C Electronics Co.,Ltd                         |                             |                                  |           |
|----------------------------|---------------------|------------|--------------------------------------------------|-----------------------------|----------------------------------|-----------|
| X. ±0.30                   | DRAWN<br>WINKI      | 06/20/2016 | TITLE<br>USB 3.1 C FEMALE SMT VERTICAL CONNECTOR |                             |                                  |           |
| X.X ±0.25                  | CHECKED<br>JOHNSON  | 06/20/2016 |                                                  |                             |                                  |           |
| X.XX ±0.15                 | APPROVED<br>JOHNSON | 06/20/2016 | SCALE N.A.                                       | PART NO.<br>T50E7302XXXX0ET | DRAWING NO.<br>T50E7302XXXX0ET A | REV.<br>A |
| X.XXX ±0.08                |                     |            | SHEET 1 OF 4                                     |                             |                                  |           |
| ANGULAR ±2°                |                     |            | CUSTOMER CODE                                    | CUSTOMER PART NO.           |                                  |           |
| UNLESS OTHERWISE SPECIFIED |                     |            | UNIT<br>MM                                       |                             |                                  |           |

A

B

C

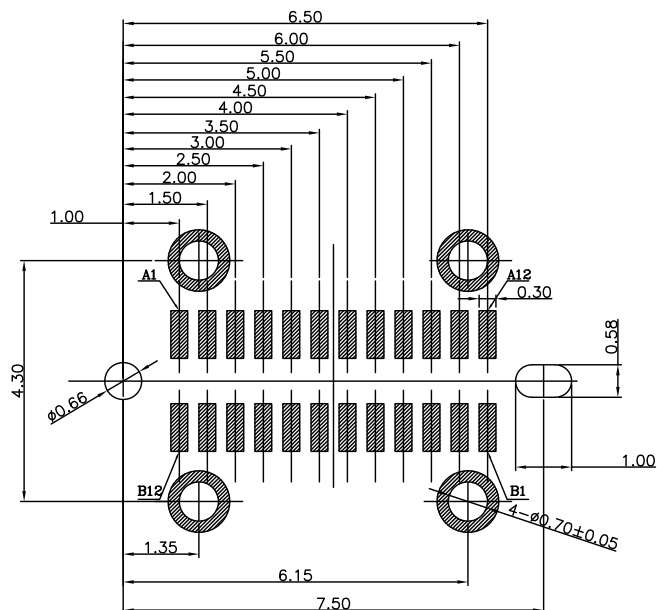
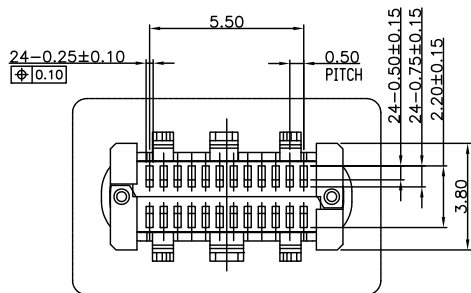
D

E

## CUSTOMER DRAWING

## REVISIONS

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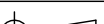


RECOMMENDED P.C.B. LAYOUT (T:1.00mm)  
TOLERANCE UNSPECIFIED ±0.05mm

## USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

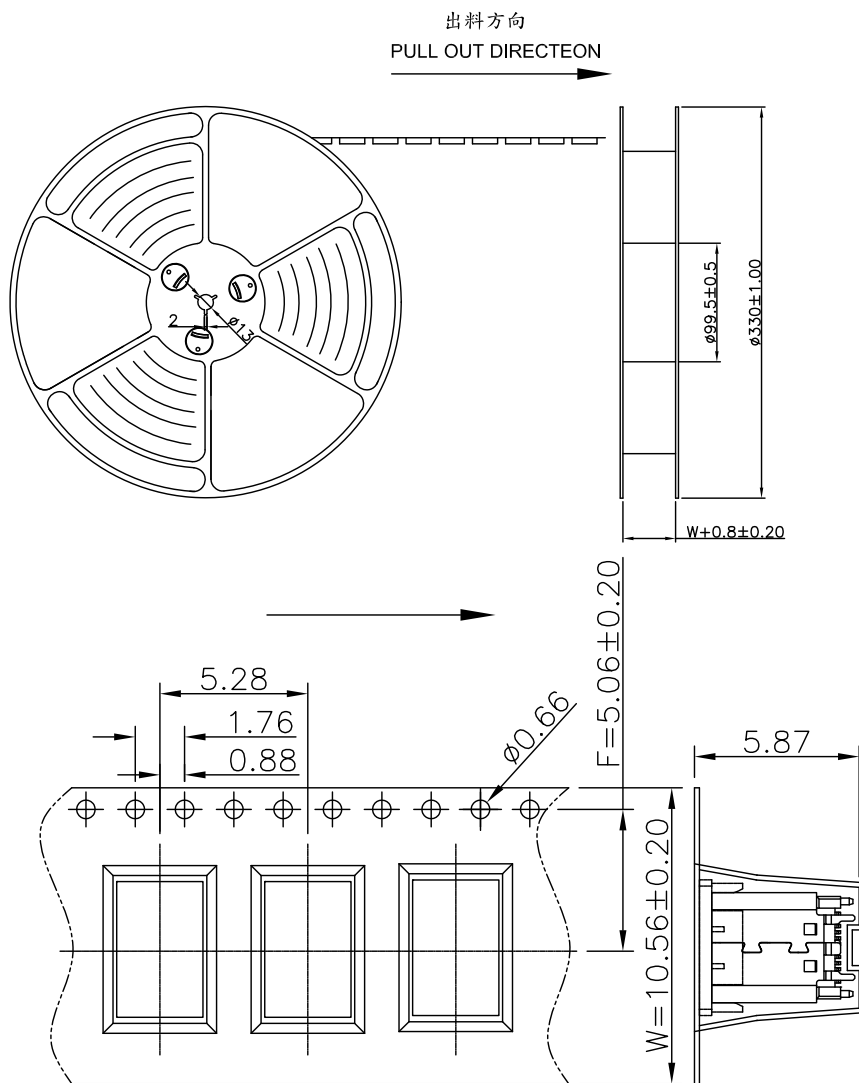
| PIN | Signal Name | Description                                               | PIN | Signal Name | Description                                               |
|-----|-------------|-----------------------------------------------------------|-----|-------------|-----------------------------------------------------------|
| A1  | GND         | Ground return                                             | B12 | GND         | Ground return                                             |
| A2  | SSTXp1      | Positive half of first SuperSpeed TX differential pair    | B11 | SSTXp1      | Positive half of first SuperSpeed TX differential pair    |
| A3  | SSTXn1      | Negative half of first SuperSpeed TX differential pair    | B10 | SSTXn1      | Negative half of first SuperSpeed TX differential pair    |
| A4  | VBUS        | Bus Power                                                 | B9  | VBUS        | Bus Power                                                 |
| A5  | CC1         | Configuration Channel                                     | B8  | CC1         | Configuration Channel                                     |
| A6  | Dp1         | Positive half of the USB 2.0 differential pair-Position 1 | B7  | Dp1         | Positive half of the USB 2.0 differential pair-Position 1 |
| A7  | Dn1         | Negative half of the USB 2.0 differential pair-Position 1 | B6  | Dn1         | Negative half of the USB 2.0 differential pair-Position 1 |
| A8  | RFU1        | Reserved for Future Use (RFU)                             | B5  | RFU1        | Reserved for Future Use (RFU)                             |
| A9  | VBUS        | Bus Power                                                 | B4  | VBUS        | Bus Power                                                 |
| A10 | SSRXn2      | Negative half of second SuperSpeed RX differential pair   | B3  | SSRXn2      | Negative half of second SuperSpeed RX differential pair   |
| A11 | SSRXp2      | Positive half of second SuperSpeed RX differential pair   | B2  | SSRXp2      | Positive half of second SuperSpeed RX differential pair   |
| A12 | GND         | Ground return                                             | B1  | GND         | Ground return                                             |



| TOLERANCE UNIT( mm)        |       | APPROVALS                                                                             |  | DATE       |  | TC&C Electronics Co.,Ltd                         |  |                 |  |                   |  |      |  |
|----------------------------|-------|---------------------------------------------------------------------------------------|--|------------|--|--------------------------------------------------|--|-----------------|--|-------------------|--|------|--|
| X.                         | ±0.30 | DRAWN<br>WINKI                                                                        |  | 06/20/2016 |  | TITLE<br>USB 3.1 C FEMALE SMT VERTICAL CONNECTOR |  |                 |  |                   |  |      |  |
| X.X                        | ±0.25 | CHECKED<br>JOHNSON                                                                    |  | 06/20/2016 |  |                                                  |  |                 |  |                   |  |      |  |
| X.XX                       | ±0.15 | APPROVED<br>JOHNSON                                                                   |  | 06/20/2016 |  |                                                  |  |                 |  |                   |  |      |  |
| X.XXX                      | ±0.08 |                                                                                       |  |            |  | SCALE N.A.                                       |  | PART NO.        |  | DRAWING NO.       |  | REV. |  |
| ANGULAR                    | ±2°   |                                                                                       |  |            |  | SHEET 2 OF 4                                     |  | T50E7302XXXX0ET |  | T50E7302XXXX0ET A |  | A    |  |
| UNLESS OTHERWISE SPECIFIED |       |  |  | UNIT<br>MM |  | CUSTOMER CODE                                    |  |                 |  | CUSTOMER PART NO. |  |      |  |

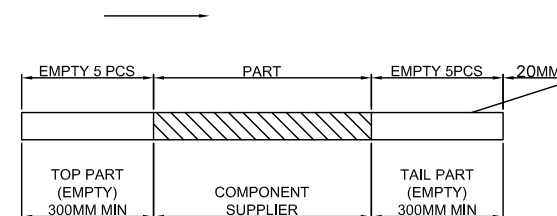
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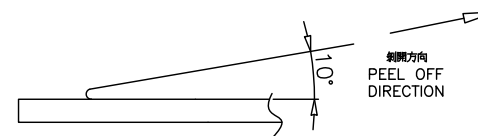


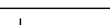
## NOTES

- 1.帶子引導長度  
LEAD TAPE LENGTH  
出料方向  
PULL OUT DIRECTEON



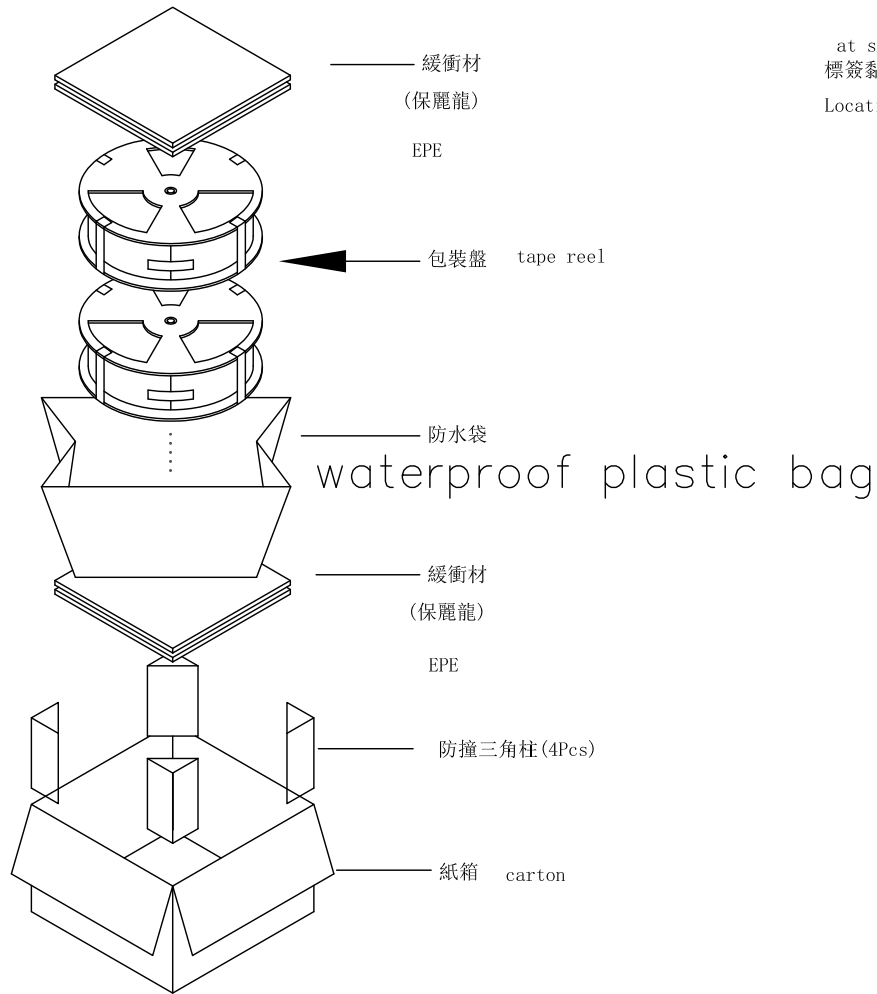
- 2.上帶 剝力力為：0.1~1.3N(10.2gf~130gf)  
PEELING OFF FORCE OF TOP TAPE:0.1~1.3N(10.2gf~130gf)  
出貨運輸過程中一定注意：  
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT：  
卷帶在運輸過程中不能散開  
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION



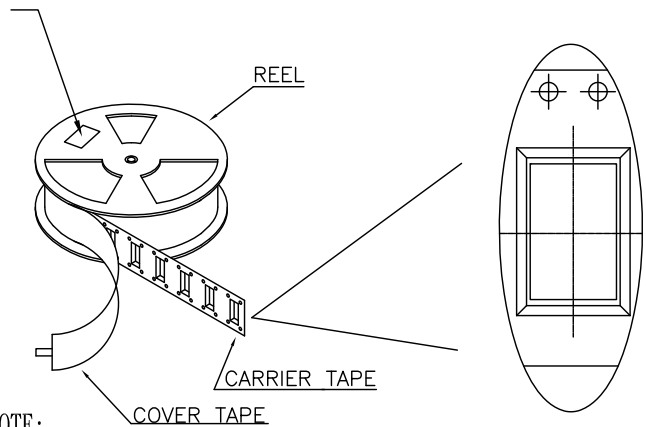
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| X.XX                       | ±0.15 | APPROVED<br>JOHNSON                                                                   |  | 06/20/2016    | SCALE N.A.                                       |  | PART NO.<br>T50E7302XXXX0ET |  | DRAWING NO.<br>T50E7302XXXX0ET A |  | REV.<br>A |
| X.XXX                      | ±0.08 |  |  | UNIT<br>MM    | SHEET 3 OF 4                                     |  | CUSTOMER PART NO.           |  |                                  |  |           |
| ANGULAR                    | ±2°   |                                                                                       |  | CUSTOMER CODE |                                                  |  |                             |  |                                  |  |           |
| UNLESS OTHERWISE SPECIFIED |       |                                                                                       |  |               |                                                  |  |                             |  |                                  |  |           |

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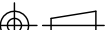
at small positioning hole of the carrier tape side).  
標簽黏貼處 (朝捲裝包材的小定位孔一側)  
Location of label sticking (label)



- NOTE:
- 1. 每捲包裝數量及每箱裝箱數量如左下表格。  
Packing q'ty of each reel & carton as below table shown.
  - 2. 以上膠帶覆蓋下包裝帶經包裝機熱熔包裝  
Use cover tape to cover and hot melt machine to seal up.
  - 3. 每個紙箱放2個珍珠棉  
Every carton use 2pcs EPE.
  - 4. 將裝滿產品的卷盤放入紙箱并以膠帶封口  
Put reels in the carton and use adhesive tape to seal up.



| 產品料號<br>(PRODUCT No.) | 包裝容量 (PACKING CAPACITY) |              |            | 重量 WEIGHT (Kg) |          |          |
|-----------------------|-------------------------|--------------|------------|----------------|----------|----------|
|                       | PCS/REEL                | REELS/CARTON | PCS/CARTON | N.W./PCS       | N.W./BOX | G.W./BOX |
|                       | 400                     | 7            | 2800       |                |          |          |

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| X.XXX                         | ±0.08 |  | UNIT<br>MM | SHEET 4 OF 4                                     | CUSTOMER<br>CODE            | CUSTOMER<br>PART NO.             |           |
| ANGULAR                       | ±2°   |                                                                                       |            |                                                  |                             |                                  |           |
| UNLESS OTHERWISE<br>SPECIFIED |       |                                                                                       |            |                                                  |                             |                                  |           |