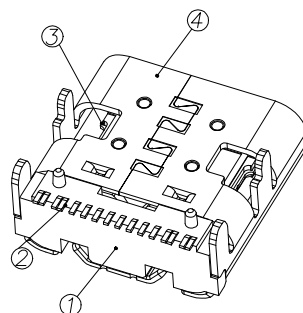
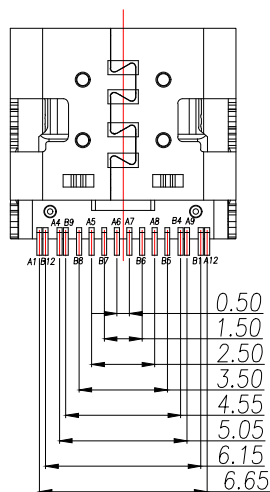
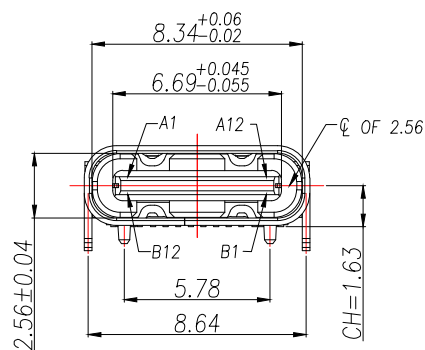
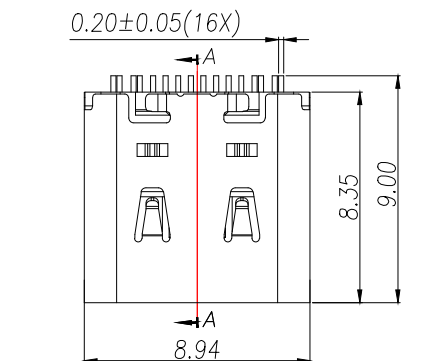


#### NOTE:

##### 1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.TERMINAL: COPPER ALLOY(C18150)
- 3.MID PLATE: STAINLESS STEEL(SUS301)
- 4.FRONT SHELL: STAINLESS STEEL(SUS304)

##### 2.PLATING SPECIFICATION:

###### 2-1.TERMINAL:

- Ni 50u" MIN. UNDER PLATED OVER ALL.
- Au 1u" PLATED ON THE FUNCTIONAL AREA OF CONTACT.
- Au G/F PLATED ON THE SOLDER AREA.

###### 2-2.FRONT SHELL:

- Ni 30u" MIN. UNDER PLATED OVER ALL.

###### 2-3.MID PLATE PLATE:

- CLEAR ONLY

##### 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,

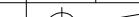
- 4-1. VOLTAGE RATING: 5V.
- CURRENT RATING: 5A.
- 4-2. LLCR:  
VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10mA.
- 4-3.INSULATION RESISTANCE: 100MΩ MIN
- 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

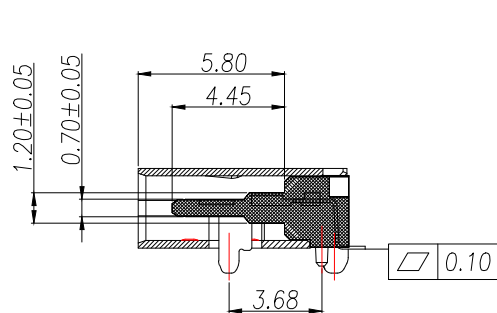
##### 5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -40C~+85°C.

##### 6.IR REFLOW:

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

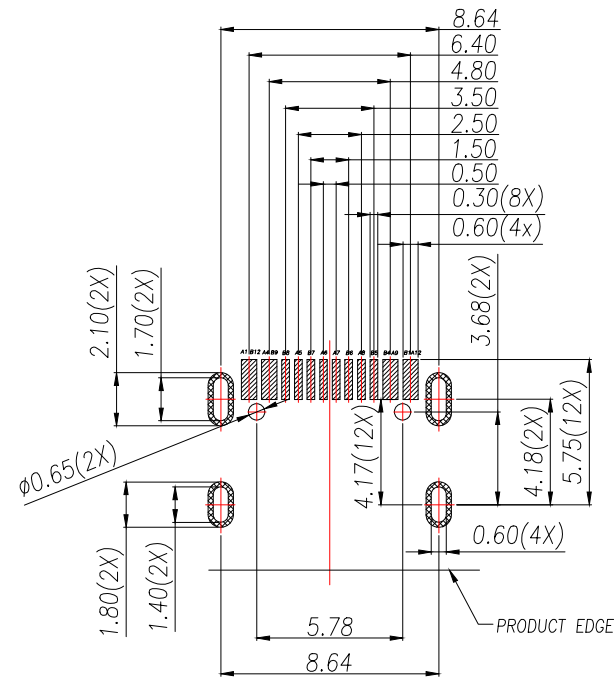
| 制图<br>DRAWN | 变更内容<br>DESCRIPTION | 日期<br>DATE | GENERAL TOLERANCE |          | 制图<br>DRAWING  | ROSE |             |     | 料号<br>PART NO.                                                                                                                                            | ZX-TYPEC-WTM16-L835             | 版本<br>REV.                                                                            | A   |
|-------------|---------------------|------------|-------------------|----------|----------------|------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------|-----|
|             |                     |            | .X:±0.30          | X.:±10°  | 审核<br>CHECK    | LEO  |             |     | 品名<br>TITLE                                                                                                                                               | USB CF 16PIN (L=8.35) WITH POST | 页次<br>SHEET                                                                           | 1/1 |
|             |                     |            | .XX:±0.20         | X.X:±8°  | 核准<br>APPROVAL | JOHN |             |     | 客户料号<br>CUTM.NO.                                                                                                                                          |                                 |  |     |
|             |                     |            | .XXX:±0.10        | X.XX:±5° | 单位<br>UNITS    | MM   | 比例<br>SCALE | 1:1 |  兆星精密电子（深圳）有限公司<br>ShenZhen ZhaoXing Precision electronics Co., Ltd. |                                 |                                                                                       |     |



SECTION:A-A

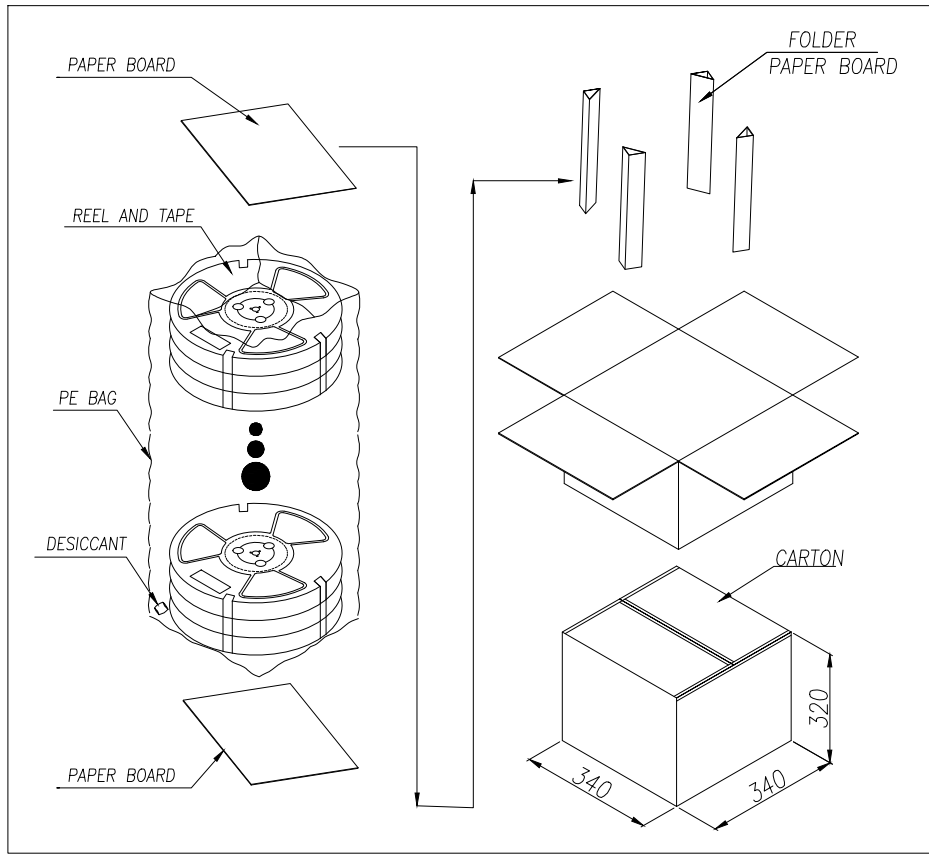
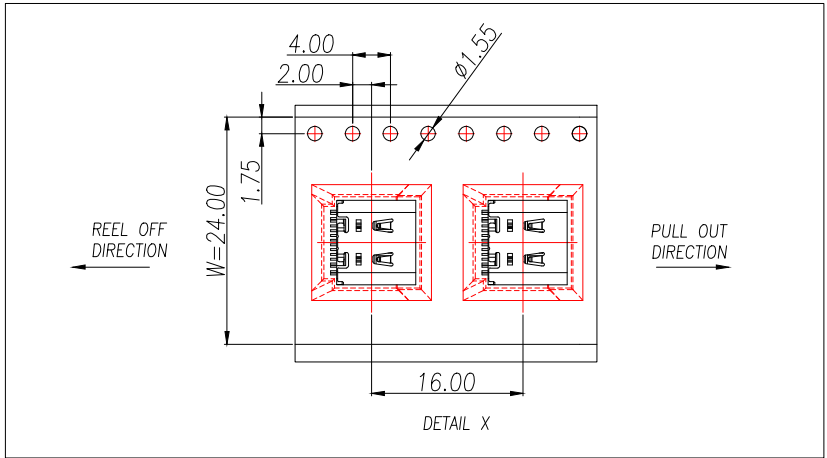
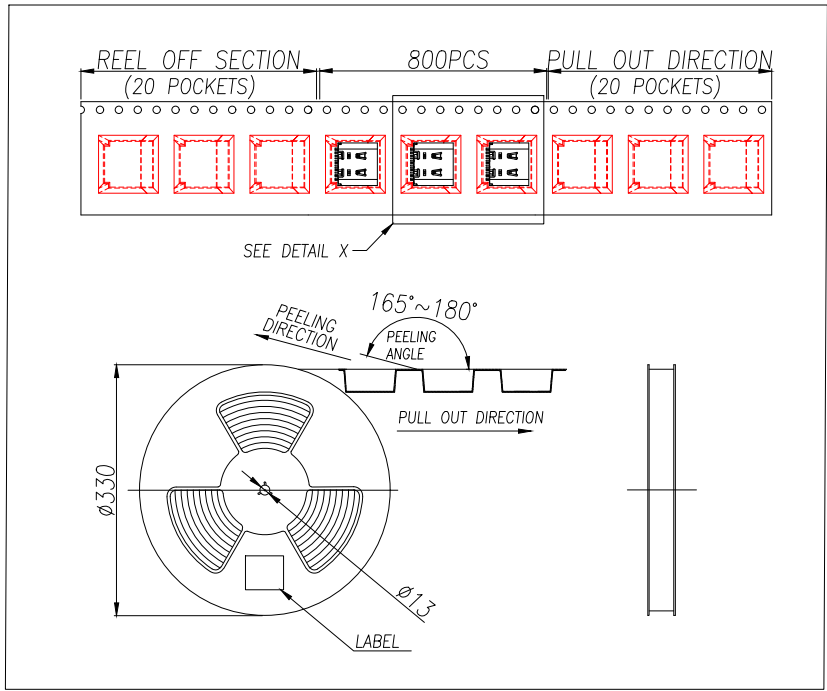
USB TYPE-C PIN ASSIGNMENTS

| 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         |



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 1.00MM;DEFAULT TOLERANCE:±0.05

|             |                     |            |                   |          |               |                     |                  |                                 |                                                                     |     |
|-------------|---------------------|------------|-------------------|----------|---------------|---------------------|------------------|---------------------------------|---------------------------------------------------------------------|-----|
| 制图<br>DRAWN | 变更内容<br>DESCRIPTION | 日期<br>DATE | GENERAL TOLERANCE |          | 制图<br>DRAWING | ROSE<br>LEO<br>JOHN | 料号<br>PART NO.   | ZX-TYPEC-WTM16-L835             | 版本<br>REV.                                                          | A   |
|             |                     |            | .X:±0.30          | X.:±10°  |               |                     | 品名<br>TITLE      | USB CF 16PIN (L=8.35) WITH POST | 页次<br>SHEET                                                         | 1/1 |
|             |                     |            | .XX:±0.20         | X.X:±8°  |               |                     | 客户料号<br>CUTM.NO. |                                 |                                                                     |     |
|             |                     |            | .XXX:±0.10        | X.XX:±5° |               |                     |                  |                                 |                                                                     |     |
|             |                     |            |                   |          | 单位<br>UNITS   | MM                  | 比例<br>SCALE      | 1:1                             | 兆星精密电子（深圳）有限公司<br>ShenZhen ZhaoXing Precision electronics Co., Ltd. |     |



|                 |                     | REEL       |                     | CARTON         |                                                                     |
|-----------------|---------------------|------------|---------------------|----------------|---------------------------------------------------------------------|
| CONNECTOR (PCS) |                     | 800        |                     | 8000           |                                                                     |
| 制图<br>DRAWN     | 变更内容<br>DESCRIPTION | 日期<br>DATE | GENERAL TOLERANCE   | 制图<br>DRAWING  | 料号<br>PART NO.                                                      |
|                 |                     |            | .X:±0.30 X.:±10°    | 审核<br>CHECK    | 品名<br>TITLE                                                         |
|                 |                     |            | .XX:±0.20 X.X:±8°   | 核准<br>APPROVAL | 客户料号<br>CUTM.NO.                                                    |
|                 |                     |            | .XXX:±0.10 X.XX:±5° | 单位<br>UNITS    | 版本<br>REV.                                                          |
|                 |                     |            |                     | MM 比例<br>SCALE | 1:1                                                                 |
|                 |                     |            |                     |                | 兆星精密电子(深圳)有限公司<br>ShenZhen ZhaoXing Precision electronics Co., Ltd. |