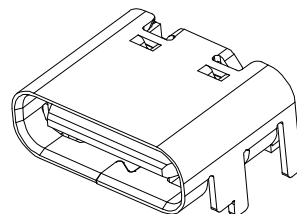
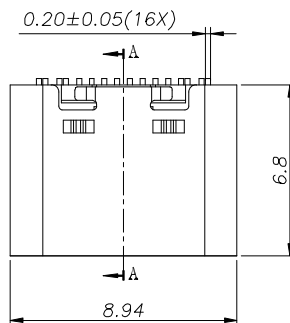


RoHS  
Compliant

|      |         |             |         |            |  |
|------|---------|-------------|---------|------------|--|
| C    |         | B           |         | A          |  |
| ZONE | ECN.NO. | DESCRIPTION | DRAWING | DATE       |  |
| A    |         | INITIAL     | 林生財     | 2023.12.29 |  |



NOTE:

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

- 2.PLATING SPECIFICATION:

- 2-1.CONTACTS:  
Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au 3u" ON THE FUNCTIONAL AREA OF CONTACT.  
PLATING SPECIFICATIONS OF THE SOLDER AREA

- 2-2.FRONT SHELL:

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

- 2-3.MID PLATE:

- 2 S.MID T LATE.  
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. CURRENT RATING:5.0A  
VOLTAGE RATING:5.0V

- 4-2. LLCR:

- VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.  
SHIELD: 50mA/MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10mA.

- 4-3.INSULATION RESISTANCE: 100M次 MIN

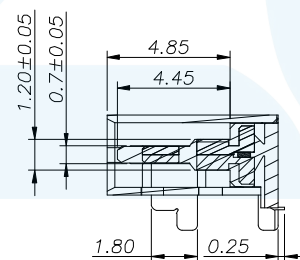
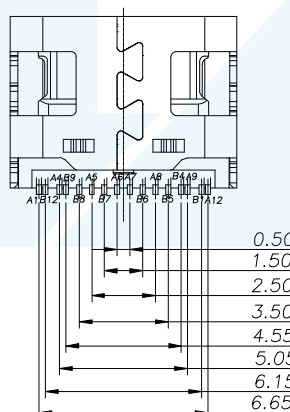
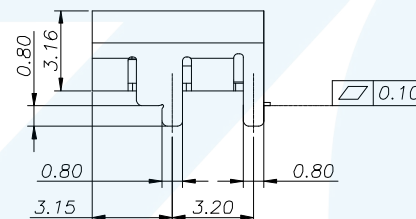
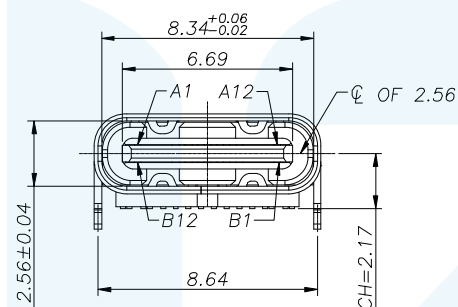
- 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -25~C~+85~C.

- 6.1R REFLOW:

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



SECTION:A-A



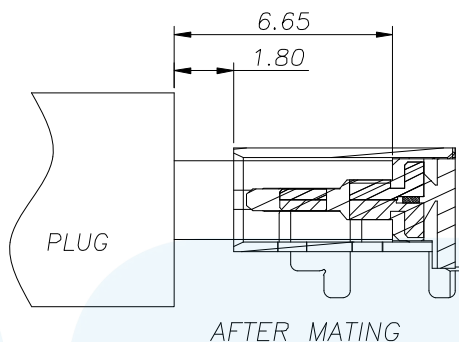
LZG INDUSTRIAL CO. LTD

|             |                  |       |            |          |     |
|-------------|------------------|-------|------------|----------|-----|
| DRAWING:    | 林生財              | DATE: | 2023.12.29 | SCALE    | 1:1 |
| CHECK:      | 李宏鑫              | DATE: | 2023.12.29 | MATERIAL | *   |
| APPROVAL:   | 楊進宜              | DATE: | 2023.12.29 | DWG. NO. |     |
| DRAWING NO. | ZB48077-16DBAP-A |       |            | SHEET    | 1/1 |

|           |                                         |                                          |                                     |                                 |             |                                                                                       |
|-----------|-----------------------------------------|------------------------------------------|-------------------------------------|---------------------------------|-------------|---------------------------------------------------------------------------------------|
| PART NAME | USB CF 16 PIN(L=6.8) TOP MOUNT(CH=2.17) | TOLERANCE UNLESS<br>OTHERWISE SPECIFIED: | 0.0±0.25<br>0.00±0.15<br>0.000±0.05 | 0.°±2°<br>0.0°±1°<br>0.00°±0.5° | UNIT:<br>mm |  |
| PART NO.  | ZB48077-16DBAP-A                        |                                          |                                     |                                 |             |                                                                                       |

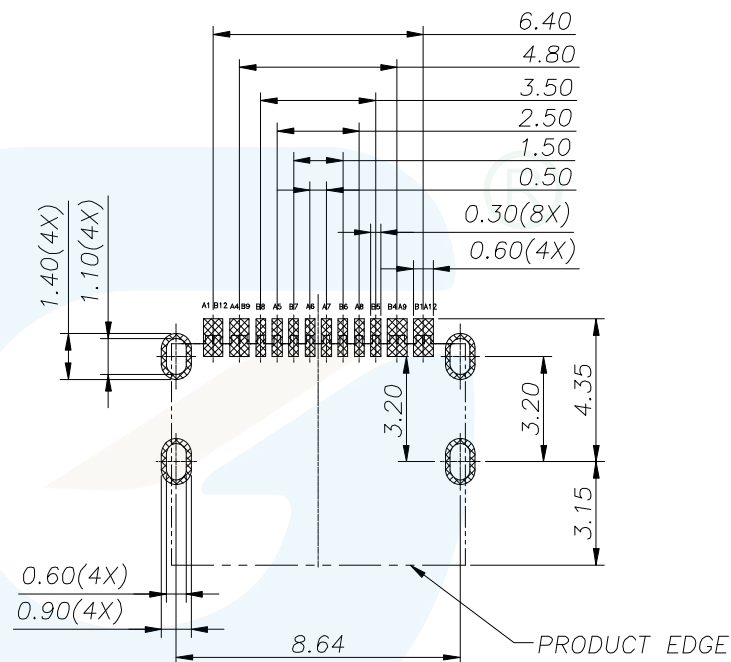
RoHS  
Compliant

| ZONE | ECN.N.O. | DESCRIPTION | DRAWING | DATE       |
|------|----------|-------------|---------|------------|
| A    |          | INITIAL     | 林生財     | 2023.12.29 |



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 0.60MM;DEFAULT TOLERANCE:±0.05



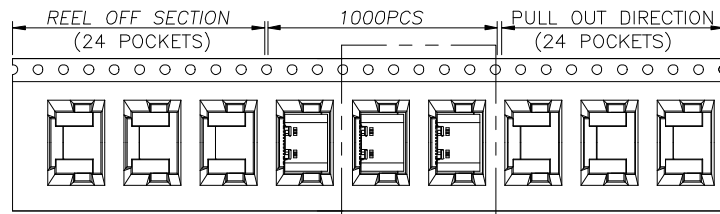
LZG INDUSTRIAL CO. LTD

|             |                  |       |            |          |     |
|-------------|------------------|-------|------------|----------|-----|
| DRAWING:    | 林生財              | DATE: | 2023.12.29 | SCALE    | 1:1 |
| CHECK:      | 李宏鑫              | DATE: | 2023.12.29 | MATERIAL | *   |
| APPROVAL:   | 楊進堂              | DATE: | 2023.12.29 | DWG. NO. |     |
| DRAWING NO. | ZB48077-16DBAP-A |       |            | SHEET    | 1/1 |

|           |                                         |                      |            |            |       |    |
|-----------|-----------------------------------------|----------------------|------------|------------|-------|----|
| PART NAME | USB CF 16 PIN(L=6.8) TOP MOUNT(CH=2.17) | TOLERANCE UNLESS     | 0.0±0.25   | 0.°±2°     | UNIT: | mm |
| PART NO.  | ZB48077-16DBAP-A                        | OTHERWISE SPECIFIED: | 0.00±0.15  | 0.0°±1°    |       |    |
|           |                                         |                      | 0.000±0.05 | 0.00°±0.5° |       |    |

RoHS  
Compliant

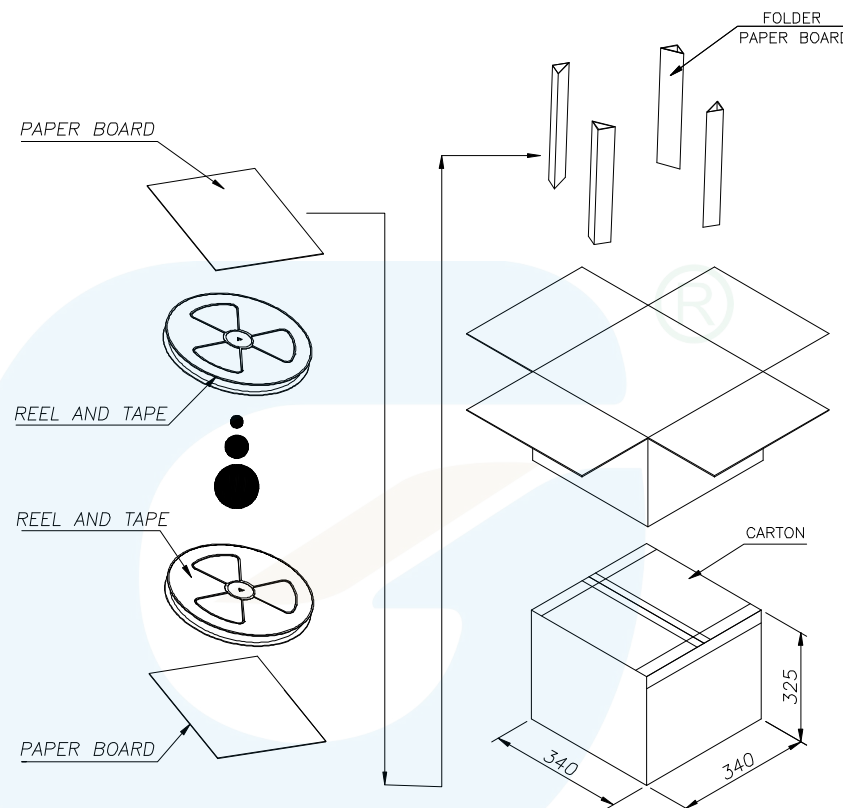
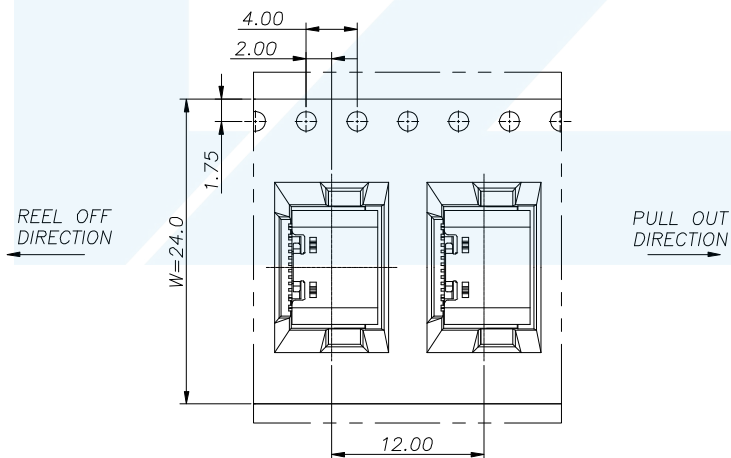
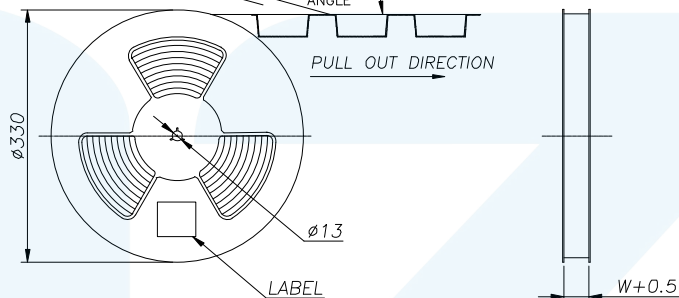
| ZONE | EC N. NO. | DESCRIPTION | DRAWING | DATE       |
|------|-----------|-------------|---------|------------|
| A    |           | INITIAL     | 林生財     | 2023.12.29 |



SEE DETAIL X

PEELING DIRECTION

165°~180°  
PEELING ANGLE



| CONNECTOR (PCS) | REEL | CARTON |
|-----------------|------|--------|
|                 | 1000 | 10000  |

**LZG**

LZG INDUSTRIAL CO. LTD

|             |                  |       |            |          |     |
|-------------|------------------|-------|------------|----------|-----|
| DRAWING:    | 林生財              | DATE: | 2023.12.29 | SCALE    | 1:1 |
| CHECK:      | 李宏鑫              | DATE: | 2023.12.29 | MATERIAL | *   |
| APPROVAL:   | 楊進堂              | DATE: | 2023.12.29 | DWG. NO. |     |
| DRAWING NO. | ZB48077-16DBAP-A |       |            | SHEET    | 1/1 |

|           |                                         |                      |                         |                       |       |
|-----------|-----------------------------------------|----------------------|-------------------------|-----------------------|-------|
| PART NAME | USB CF 16 PIN(L=6.8) TOP MOUNT(CH=2.17) | TOLERANCE UNLESS     | 0.0±0.25                | 0.°±2°                | UNIT: |
| PART NO.  | ZB48077-16DBAP-A                        | OTHERWISE SPECIFIED: | 0.00±0.15<br>0.000±0.05 | 0.0°±1°<br>0.00°±0.5° |       |