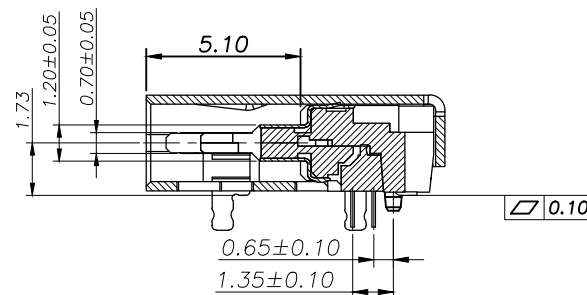
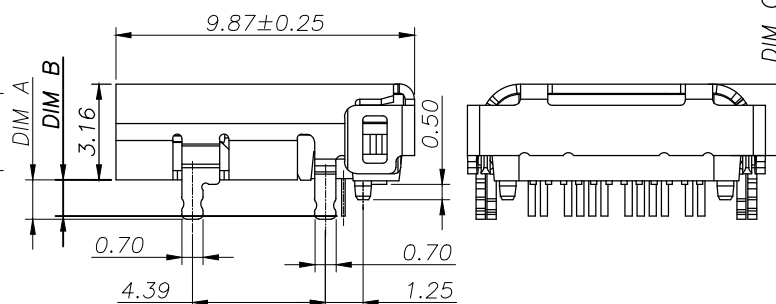
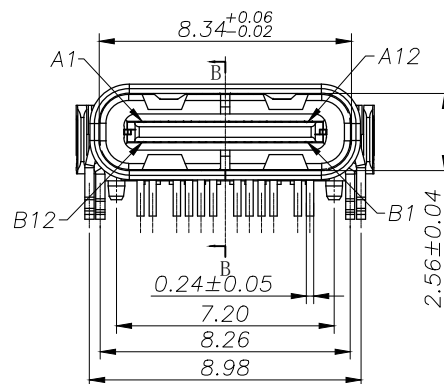
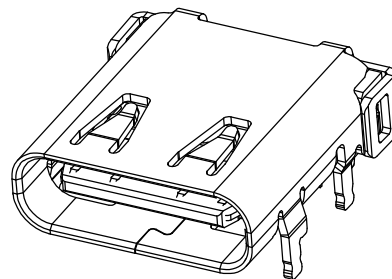
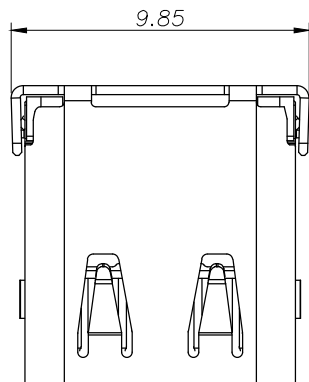
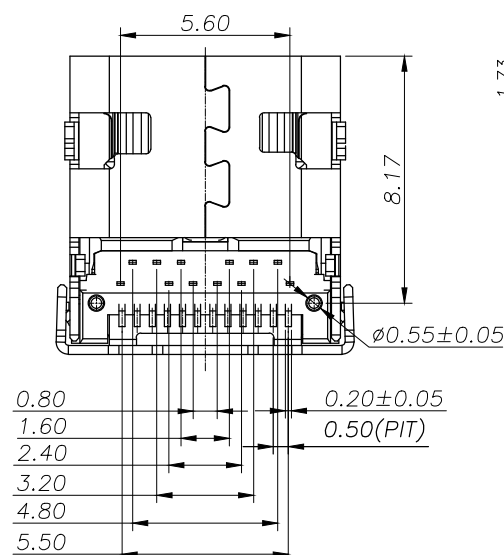


|      |         |                  |      |        |
|------|---------|------------------|------|--------|
| REV. | ECN NO. | DESCRIPTION      | DATE | DESIGN |
| A    | ECN NO. | INITIAL RELEASED |      |        |



SECTION B-B  
SCALE 1:1

- NOTE:
- MATERIAL SPECIFICATION:
    - HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.
    - CONTACTS: COPPER ALLOY
    - MID PLATE: STAINLESS STEEL
    - FRONT SHELL: STAINLESS STEEL
    - EMI PLATE: STAINLESS STEEL
  - PLATING SPECIFICATION:
    - CONTACTS:
      - Ni 50u" MIN. UNDER PLATED OVER ALL.
      - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
      - (GOLD PLATING THICKNESS FOLLOW THE P/N)
      - PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
    - FRONT SHELL:
      - PLATING SPECIFICATIONS FOLLOW THE P/N
    - MID PLATE & EMI PLATE:
      - CLEAR ONLY
  - MECHANICAL PERFORMANCE,
    - INSERTION FORCE: 0.5~2.0kgf.
    - REMOVAL FORCE: 0.8kgf~2.0kgf.
    - DURABILITY: 10000 CYCLES.
  - ELECTRICAL PERFORMANCE,
    - CURRENT RATING: 5.0A  
VOLTAGE RATING: 5.0V
    - LLCR:
      - VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
      - SHIELD: 50mΩ/MAX.
      - LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
    - INSULATION RESISTANCE: 100MΩ MIN
    - DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
  - ENVIRONMENTAL PERFORMANCE:
    - OPERATING TEMPERATURE: -25°C~+85°C.
  - IR REFLOW:
    - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.



|            |           |   |                              |              |           |
|------------|-----------|---|------------------------------|--------------|-----------|
| TOLERANCE  |           | NAME (INTENDED USE)<br>CUSTOMER DRAWING |                              |              |           |
| X.X ±0.30  | X.* ±10°  | PART NO.<br>BX-TYPE-C-Q-MWT24P          |                              |              |           |
| .XX ±0.20  | .X* ± 8°  | DESIGN:                                 | DRAWG NO. BX-TYPE-C-Q-MWT24P |              |           |
| .XXX ±0.10 | .XX* ± 5° | UNITS<br>mm                             |                              |              |           |
| MATERILA   | CHED:     |   |                              |              |           |
| FINISH     | APPD:     |   |                              |              |           |
|            |           |   | SCALE<br>1:1                 | SHEET<br>1/3 | REV.<br>A |

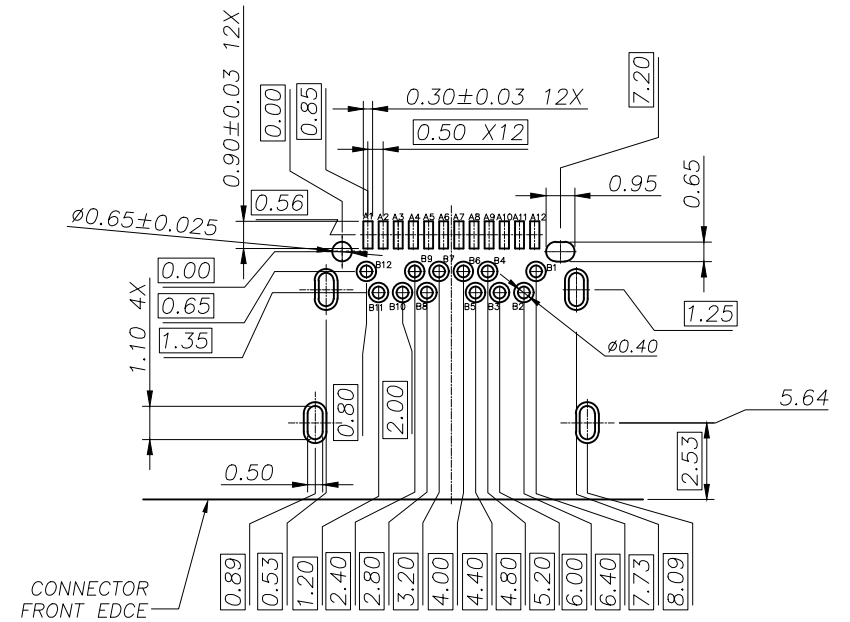
|      |         |                  |      |        |
|------|---------|------------------|------|--------|
| REV. | ECN NO. | DESCRIPTION      | DATE | DESIGN |
| A    | ECN NO. | INITIAL RELEASED |      |        |

TABLE 1

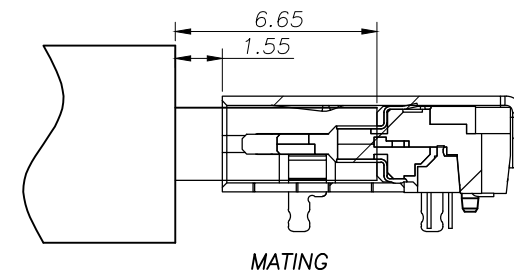
| ITEM | P/N                  | DIM"A" | DIM"B" | DIM"C" | HOUSING CLOER | PLATING     |             |
|------|----------------------|--------|--------|--------|---------------|-------------|-------------|
|      |                      |        |        |        |               | MATING AREA | SOLDER AREA |
| 1    | ACF005-1E1H1A103-OHR | 1.30   | 1.20   | 1.96   | BALCK         | Au:3u"      | Au:G/F      |
|      |                      |        |        |        |               |             |             |
|      |                      |        |        |        |               |             |             |
|      |                      |        |        |        |               |             |             |
|      |                      |        |        |        |               |             |             |

USB TYPE-C PIN ASSIGNMENTS

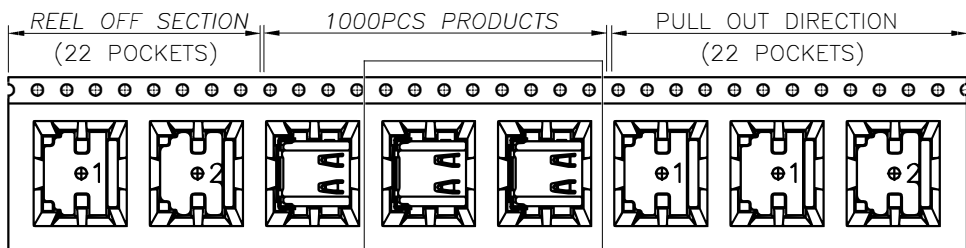
| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | TXp1+       | B11        | RXp1+       |
| A3         | TXn1-       | B10        | RXn1-       |
| A4         | Vbus        | B9         | Vbus        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1         | B7         | Dn2         |
| A7         | Dn1         | B6         | Dp2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | Vbus        | B4         | Vbus        |
| A10        | RXn2-       | B3         | TXn2-       |
| A11        | RXp2+       | B2         | TXp2+       |
| A12        | GND         | B1         | GND         |



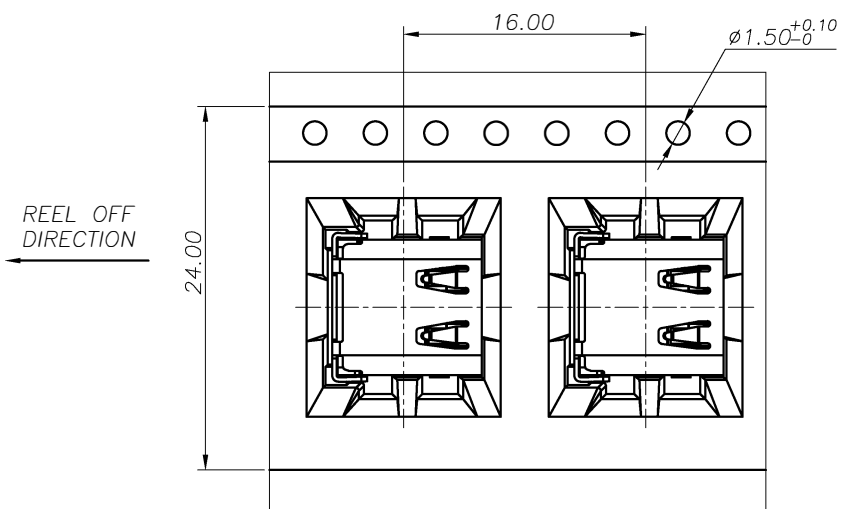
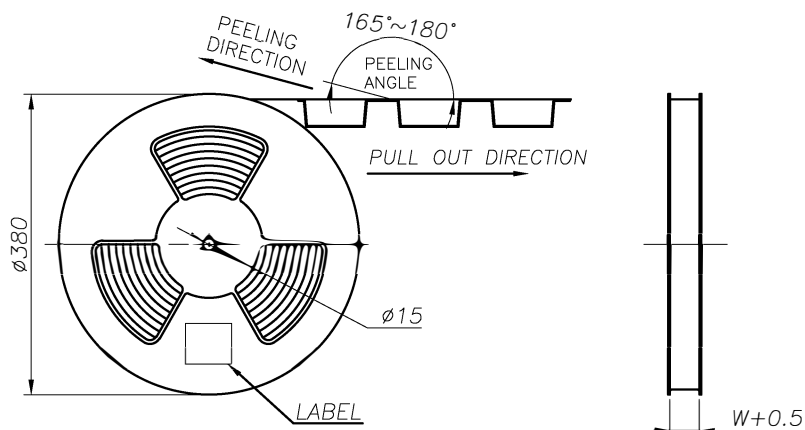
RECOMMENDED P.C.B. LAYOUT (T=1.00mm)  
TOLERANCE UNSPECIFIED ±0.05mm



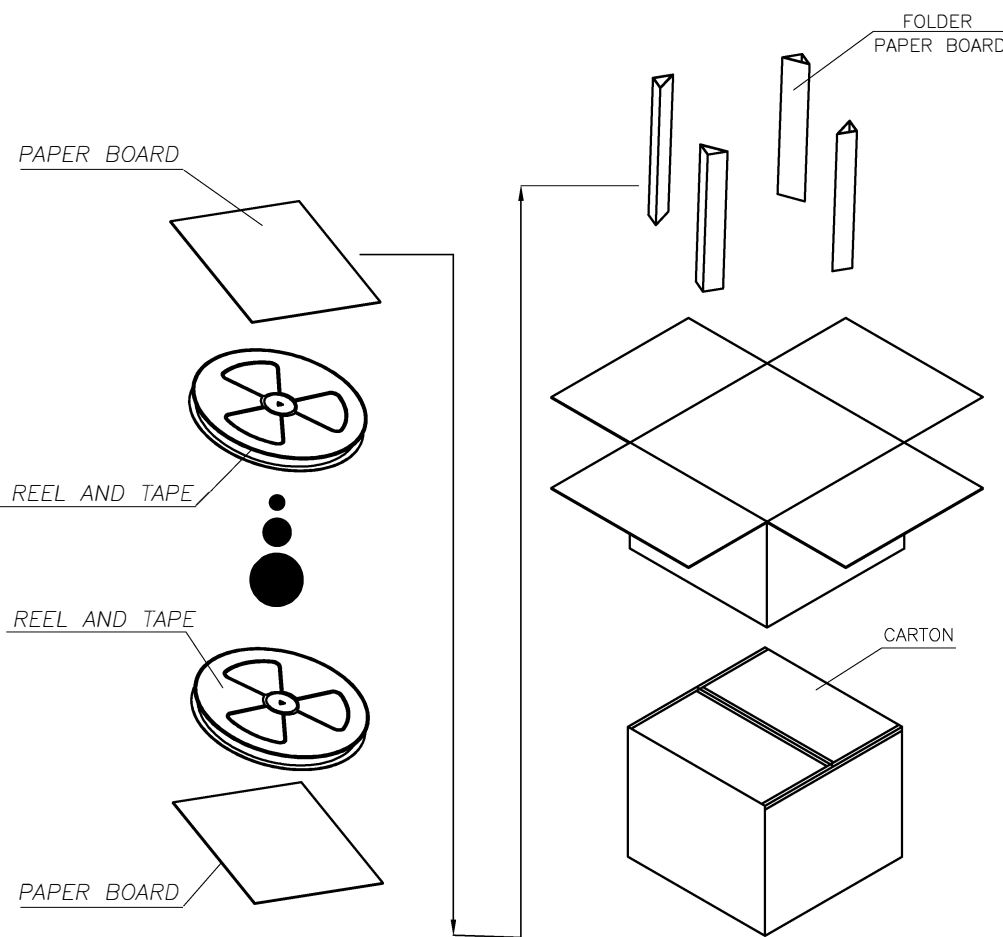
| TOLERANCE  |           | NAME(INTENDED USE)<br>CUSTOMER DRAWING | Bossie (博锡)                  |       |      |
|------------|-----------|--|------------------------------|-------|------|
| X.X ±0.30  | X.* ±10°  | PART NO.                               | TITLE: Type-C 母座 卧贴          |       |      |
| .XX ±0.20  | .X* ± 8°  | BX-TYPE-C-Q-MWT24P                     | DRAWG NO. BX-TYPE-C-Q-MWT24P |       |      |
| .XXX ±0.10 | .XX* ± 5° | DESIGN:                                |                              |       |      |
| UNITS      | mm        | CHED:                                  |                              |       |      |
| MATERILA   |           | APPD:                                  |                              |       |      |
| FINISH     |           |  | SCALE                        | SHEET | REV. |
|            |           |  | 1:1                          | 2/3   | A    |



SEE DETAIL X



|      |         |                  |      |        |
|------|---------|------------------|------|--------|
| REV. | ECN NO. | DESCRIPTION      | DATE | DESIGN |
| A    | ECN NO. | INITIAL RELEASED |      |        |



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

|           |            |  |                    |                    |           |
|-----------|------------|--|--------------------|--------------------|-----------|
| TOLERANCE |            | NAME(INTENDED USE)<br>CUSTOMER DRAWING |                    |                    |           |
| X.X       | $\pm 0.30$ | X.*                                    |                    |                    |           |
| .XX       | $\pm 0.20$ | .X*                                    | $\pm 8^{\circ}$    | BX-TYPE-C-Q-MWT24P | TITLE:    |
| .XXX      | $\pm 0.10$ | .XX*                                   | $\pm 5^{\circ}$    | DESIGN:            | DRAWG NO. |
| UNITS     | mm         | CHED:                                  | BX-TYPE-C-Q-MWT24P |                    |           |
| MATERILA  |            | APPD:                                  | SCALE              | SHEET              | REV.      |
| FINISH    |            |  | 1:1                | 3/3                | A         |

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