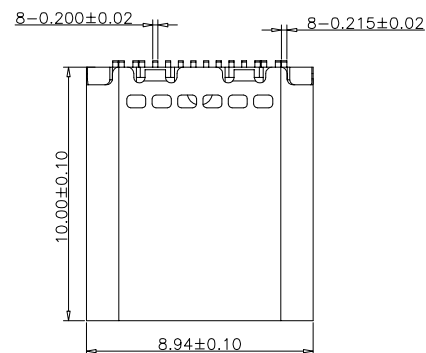
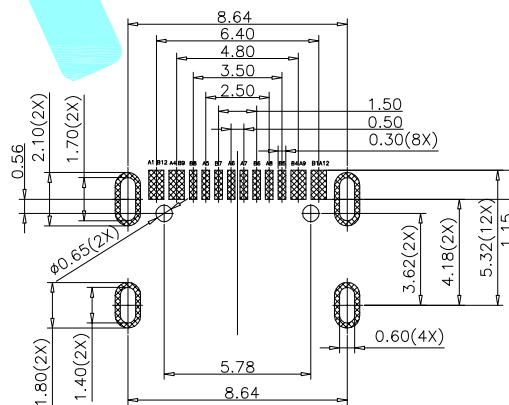
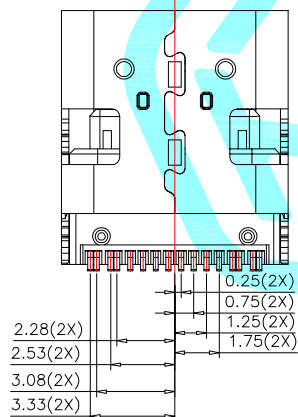
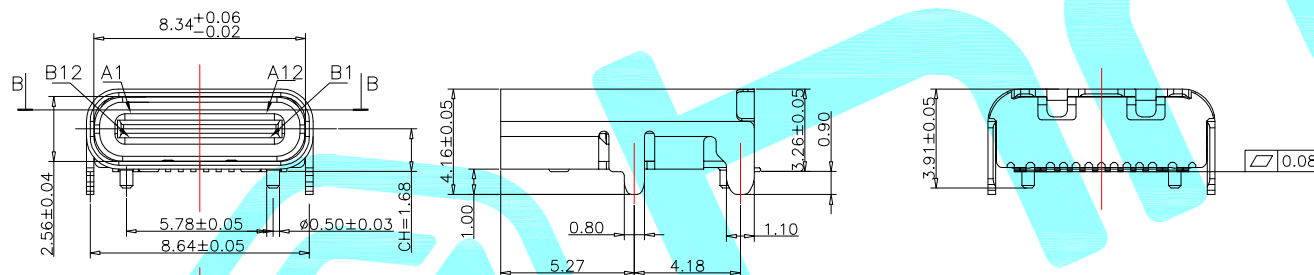


截面B-B



RECOMMENDED P.C.B LAYOUT

## NOTE:

## 1.MATERIAL:

- 1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94V-0;
- 1.2 CONTACT: COPPER ALLOY
- 1.3 SHELL:STAINLESS STEEL

## 2.ELECTRICAL CHARACTERISTICS:

- 2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL.  
30mΩ CHANGE AFTER TEST.  
MEASURE AT 20mV, 100mA.
- 2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN;  
1.25A FOR VCONN PIN.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
- 2.4 VOITAGE RATING:20V AC/AC (RMS.MAX)
- 2.5 INSULATION RESISTANCE 100MΩ Min
- 2.6 OPERATING TEMPERATURE: -30°C ~ 85°C

## 3 MECHANICAL CHARACTERISTICS:

- 3.1 MATING FORCE: 5~20 N.
- 3.2 UNMATED FORCE: 8~20N AFTER TEST
- 3.3 DURABILITY: 10,000 CYCLES

## 4.PLATING

- 4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER  
50u" Min NICKEL AND 80u"Min Tin ALL OVER 50u" Min  
NICKEL ON SOLDER AREA
- 4.2 SHELL: 50u" Min. NICKEL ALL OVER,

## 5.TID 5719

|     |             |     |             |
|-----|-------------|-----|-------------|
| 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         |
| PIN | SIGNAL NAME | PIN | SIGNAL NAME |

| APPROVALS      |        | DATE     |  |                |
|----------------|--------|----------|---------------------------------------------------------------------------------------|----------------|
| DRAWN          | LIUCAN | 2023.2.7 |                                                                                       |                |
| CHECKED        |        |          | TITLE:                                                                                | USB CONNECTOR  |
| APPROVALS      |        |          | PART NO.                                                                              | TYPE-C-31-M-48 |
| TOLERANCES ARE | 30~以上  | ±0.30    | ANGLE                                                                                 | UNIT: mm       |
|                | 10~30  | ±0.25    |                                                                                       |                |
|                | 5~10   | ±0.20    |                                                                                       |                |
|                | ~ 5    | ±0.15    | ±2'                                                                                   | SCALE: 1:1     |
| DRAWING NO.    |        |          | SHEET 1 OF 1                                                                          |                |

|         |      |       |              |         |        |        |
|---------|------|-------|--------------|---------|--------|--------|
| ECN NO. | REV. | DATE. | DESCRIPTION. | CHANGE. | CHECK. | APPRO. |
|         | A    |       | NEW          |         |        |        |