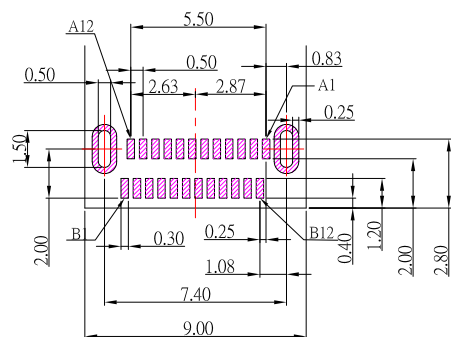
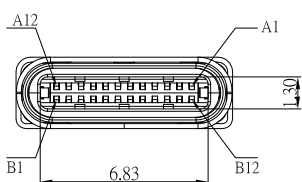
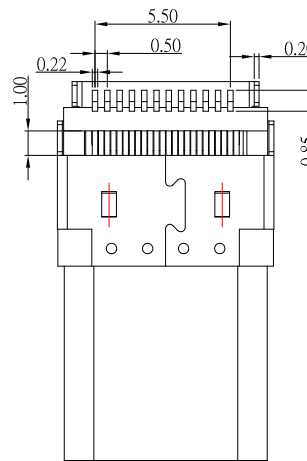
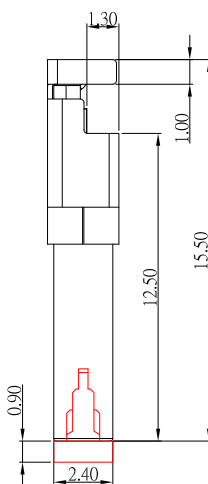
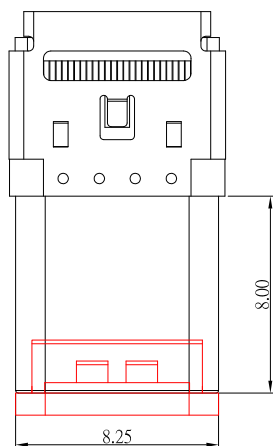
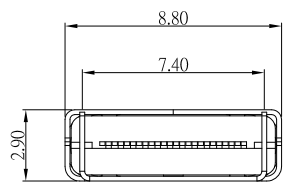




# SBC-241PLM3-31x-S338

鍍層厚度:

|             |
|-------------|
| Blank : 1u" |
| 2 : 15u"    |
| 3 : 30u"    |



P.C.B LAYOUT MOUNTING PATTERN

## SPECIFICATIONS

### Electrical:

1. Rating: 5.0A(for VBUS),0.25A(for other)
- 2.Contact Resistance: 40 mΩ Max
- 3.Insulation Resistance: 100 MΩ Min
- 4.Dielectric Withstanding Voltage: 100V AC

### Mechanical:

- 1.Connector Mate and Unmate Force
  - 1.1 Mate force: 5~20 N
  - 1.2 Unmate force: 8~20 N

### Material:

- 1.Housing: LCP,UL 94V-0
- 2.Contact: C7025
- 3.Shell: SUS

### Finish:

- 1.Contact: Plated Gold in Mating Area ;  
Tin Plated on Solder Balls ;  
Nickel under plated overall
- 2.Shell: Nickel under Plated surface layer

| PIN | Signal Name | Description   | PIN | Signal Name | Description   |
|-----|-------------|---|-----|-------------|---|
| A1  | GND         | Ground return   | B12 | GND         | Ground return   |
| A2  | SSTx1       | Positive half of first SuperSpeed TX differential pair    | B11 | SSRx1       | Negative half of first SuperSpeed RX differential pair    |
| A3  | SSTx1       | Negative half of first SuperSpeed TX differential pair    | B10 | SSRx1       | Positive half of first SuperSpeed RX differential pair    |
| A4  | Vbus        | Bus Power   | B9  | Vbus        | Bus Power   |
| A5  | CC1         | Configuration Channel                                     | B8  | SRB2        | Sideband Use (SRU)  |
| A6  | Dp1         | Positive half of the USB 2.0 differential pair-Position 1 | B7  | Dn2         | Negative half of the USB 2.0 differential pair-Position 2 |
| A7  | Dn1         | Negative half of the USB 2.0 differential pair-Position 1 | B6  | Dp2         | Positive half of the USB 2.0 differential pair-Position 2 |
| A8  | SRB1        | Sideband Use (SRU)  | B5  | CC2         | Configuration Channel                                     |
| A9  | Vbus        | Bus Power   | B4  | Vbus        | Bus Power   |
| A10 | SSRx2       | Negative half of second SuperSpeed RX differential pair   | B3  | SSTx2       | Positive half of second SuperSpeed TX differential pair   |
| A11 | SSRx2       | Positive half of second SuperSpeed RX differential pair   | B2  | SSTx2       | Negative half of second SuperSpeed TX differential pair   |
| A12 | GND         | Ground return   | B1  | GND         | Ground return   |

|          |                |       |        |
|----------|----------------|-------|--------|
| 8        | 更新材質           | Jack  | 121021 |
| 7        | 新增尺寸           | Jack  | 071921 |
| 6        | 新增PCB LAYOUT尺寸 | Jack  | 042921 |
| 5        | 新增防塵蓋尺寸        | Jack  | 121120 |
| 4        | 新增防塵蓋          | Jack  | 120820 |
| 3        | 更新為A0版         | Jack  | 121417 |
| 2        | 更新PIN定義        | Jack  | 033017 |
| 1        | 更新零件樣式         | Jack  | 090916 |
| ITEM NO. | DESCRIPTION    | DRAWN | DATE   |



|                                    |              |             |                    |                    |             |
|------------------------------------|--------------|-------------|--------------------|--------------------|-------------|
| TOLERANCE UNLESS OTHERWISE STATED: | Up to 5 ±0.2 | 5 ~ 15 ±0.3 | Above 15 ~ 30 ±0.4 | Above 30 ~ 50 ±0.5 | Angle ±0.3° |
|                                    | 3RD. ANGEL'S | UNITS       | MM                 |                    |             |

|              |          |           |          |                              |
|--------------|----------|-----------|----------|------------------------------|
| DRAWN BY:    | DATE     | MAT'L     | TITLE    | CONNECTOR                    |
| Jack Lu      | 12/10/21 |           | MODLE    | TYPE C Male SMT 沉板,板上H:1.6mm |
| CHECKED BY:  | DATE     | FINISH    | SCALE    | 1 : 1                        |
| Jacky Chen   | 12/10/21 |           | DWG NO.  | SBC-241PLM3-31x-S338         |
| APPROVED BY: | DATE     | SHEET NO. | PART NO. | SBC-241PLM3-31x-S338         |
| Tony Kao     | 12/10/21 | 1 of 1    |          |                              |
|              |          |           | SIZE     | A4                           |
|              |          |           | VER      | R8                           |