



SBC-241VSE6-31x-S331

鍍層厚度:

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

SECTION:A-A

SECTION:B-B

RECOMMEND P.C.B LAYOUT

SPECIFICATIONS

Electrical:

- 1.Rating: 5.0V , 3.0A
- 2.Dielectric Withstand Voltage: 100V AC
- 3.Contact Resistance: 40 mΩ Max
- 4.Insulation Resistance: 100 MΩ Min

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
- 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

USB TYPE-C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | SSTXp1      | B11        | SSRXp1      |
| A3         | SSTXn1      | B10        | SSRXn1      |
| 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        | SSRXn2      | B3         | SSTXn2      |
| A11        | SSRXp2      | B2         | SSTXp2      |
| A12        | GND         | B1         | GND         |



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CONTACT TECHNOLOGY CORP.

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

|              |          |           |         |                                       |
|--------------|----------|-----------|---------|---------------------------------------|
| DRAWN BY:    | DATE     | MAT'L     | TITLE   | CONNECTOR                             |
| Jack Lu      | 09/05/23 |           | MODLE   | TYPE C MALE VERTICAL H:9.0mm SMT TYPE |
| CHECKED BY:  | DATE     | FINISH    | DWG NO. | SBC-241VSE6-31x-S331                  |
| Jacky Chen   | 09/05/23 | SCALE     | 1 : 1   |                                       |
| APPROVED BY: | DATE     | SHEET NO. | 1 of 1  | PART NO. SBC-241VSE6-31x-S331         |
| Tony Kao     | 09/05/23 |           |         |                                       |

| ITEM NO. | DESCRIPTION | DRAWN | DATE   |
|----------|-------------|-------|--------|
| 3        | 更新材質        | Jack  | 090523 |
| 2        | 更新料號        | Jack  | 031022 |
| 1        | 更新料號        | Jack  | 051220 |