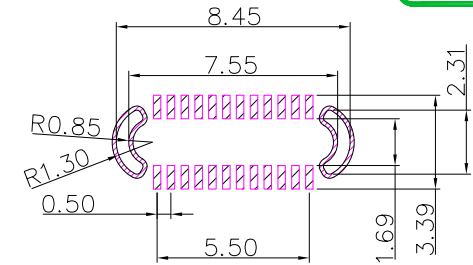




# SBC-241VS1-43x-S338

鍍層厚度：

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



RECOMMEND P.C.B LAYOUT

## SPECIFICATIONS

### Electrical:

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

### Mechanical:

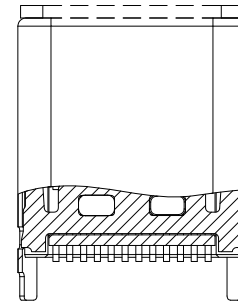
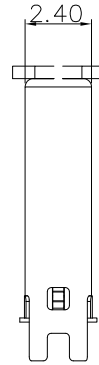
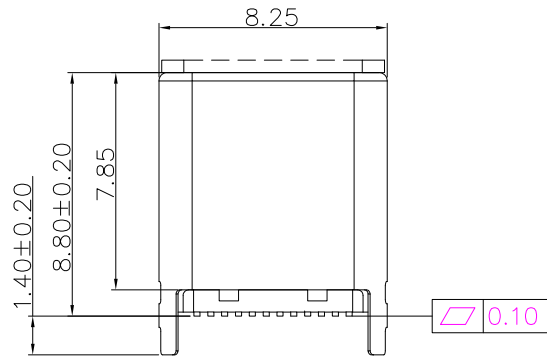
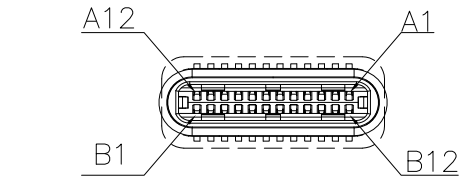
- 1.Connector Mate and Unmate Force
  - 1.1 Mate force: 5~20 N
  - 1.2 Unmate force: 6~20 N

### Material:

- 1.Housing: LCP
- 2.Contact: C7025
- 3.Shell: SUS
- 4.Latch: 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
- 3.Latch: Tin Plated on Solder Balls ;  
Nickel under plated overall



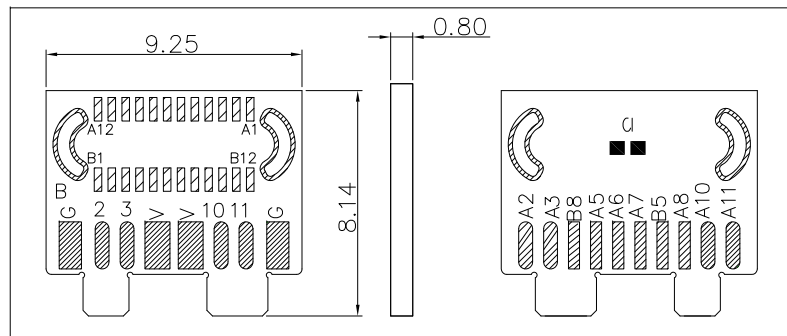
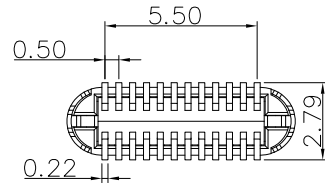
### CONTACT CIRCUIT:

| CONN PIN                | PCB PIN | CONN PIN | PCB PIN |
|-------------------------|---------|----------|---------|
| A1,A12,B1,<br>B12,SHELL | GND     | A10      | A10     |
| A4,A9,B4,B9             | V       | A11      | A11     |
| A2                      | A2      | B2       | B2      |
| A3                      | A3      | B3       | B3      |
| A5                      | A5      | B5       | B5      |
| A6                      | D+      | B8       | B8      |
| A7                      | D-      | B10      | B10     |
| A8                      | A8      | B11      | B11     |

TABLE2:

PINS DESCRIPTION,ONLY USED FOR 3.1 SERIES.

|     |      |      |      |       |    |    |      |      |      |      |     |
|-----|------|------|------|-------|----|----|------|------|------|------|-----|
| A12 | A11  | A10  | A9   | A8    | A7 | A6 | A5   | A4   | A3   | A2   | A1  |
| GND | RX2+ | RX2- | VBUS | SBU1  | D- | D+ | CC   | VBUS | TX1- | TX1+ | GND |
| GND | TX2+ | TX2- | VBUS | Vconn |    |    | SBU2 | VBUS | RX1- | RX1+ | GND |
| B1  | B2   | B3   | B4   | B5    | B6 | B7 | B8   | B9   | B10  | B11  | B12 |



**CONTACT** 建倚科技股份有限公司  
**CONTACT TECHNOLOGY CORP.**

TOLERANCE UNLESS  
OTHERWISE STATED :

|               |       |
|---------------|-------|
| Up to 5       | ±0.2  |
| Above 5 ~ 15  | ±0.3  |
| Above 15 ~ 30 | ±0.4  |
| Above 30 ~ 50 | ±0.5  |
| Angle         | ±0.3° |

3RD.  
ANGEL'S



UNITS

MM

DRAWN BY: Jack Lu  
CHECKED BY: Jacky Chen  
APPROVED BY: Tony Kao

DATE: 09/26/23  
DATE: 09/26/23  
DATE: 09/26/23

MAT'L  
FINISH  
SCALE  
SHEET NO.

1 : 1  
1 of 1

TITLE  
MODLE  
DWG NO.  
PART NO.

CONNECTOR  
USB4 GEN 2 20G MALE VERTICAL H8.8mm  
SMT 帶EMC  
SBC-241VS1-43x-S338  
SBC-241VS1-43x-S338

SIZE  
A4  
VER  
R