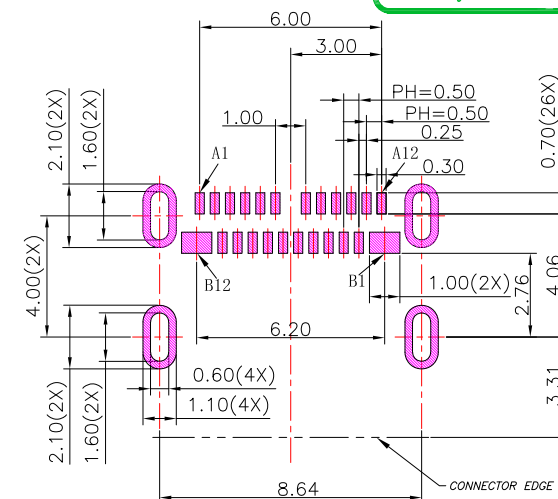
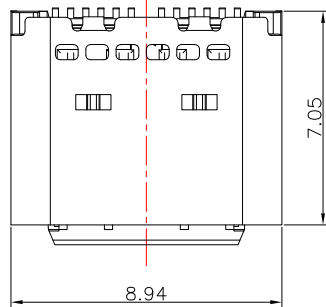




SBC-240S54-31x-S175

鍍層厚度:

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



## P.C.B LAYOUT

### SPECIFICATIONS

#### Electrical:

- Rating: 5.0V , 5.0A
- Contact Resistance: 40 mΩ Max
- Insulation Resistance: 100 MΩ Min
- Dielectric Withstanding Voltage: 100V AC

#### Mechanical:

- Connector Mate and Unmate Force
  - Mate force: 5~20 N
  - Unmate force: 8~20 N

#### Material:

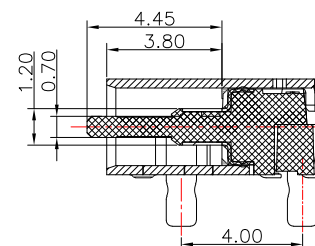
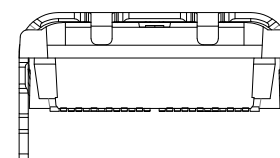
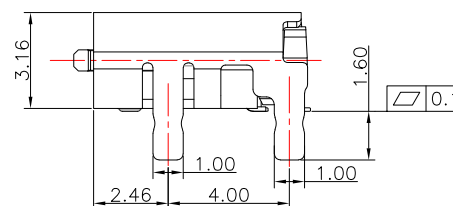
- Housing: LCP,Black
- Contact: C18400
- Shell: SUS

#### Finish:

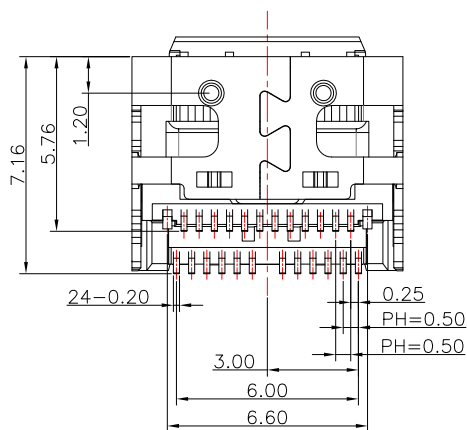
- Contact: Plated Gold in Mating Area ;  
Gold Plated on Solder Balls ;  
Nickel under plated overall
- Shell: Nickel under Plated surface layer

### USB TYPE C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | TX1+        | B11        | RX1+        |
| A3         | TX1-        | B10        | RX1-        |
| 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        | RX2-        | B3         | TX2-        |
| A11        | RX2+        | B2         | TX2+        |
| A12        | GND         | B1         | GND         |



SECTION A-A



**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: 04/20/26  
DATE: 04/20/26  
DATE: 04/20/26

MAT'L  
FINISH  
SCALE  
SHEET NO.

1 : 1  
1 of 1

TITLE: CONNECTOR  
MODLE: USB 3.1 TYPE C 母座板上雙貼 L7.05 CL1.68mm 外殼腳距4.00 舌片外露  
DWG NO.: SBC-240S54-31x-S175  
PART NO.: SBC-240S54-31x-S175

SIZE: A4  
VER: R1

| ITEM NO. | DESCRIPTION      | DRAWN | DATE     |
|----------|------------------|-------|----------|
| 1        | 更新PCB LAYOUT編號位置 | Jack  | 04/20/26 |