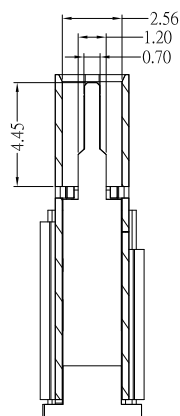
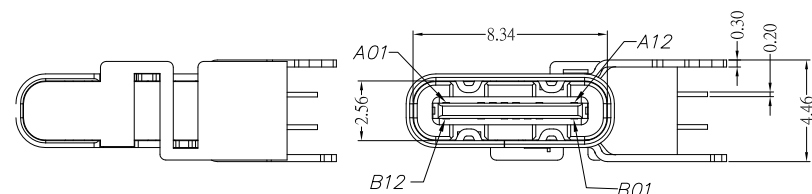


Blank : 1u"

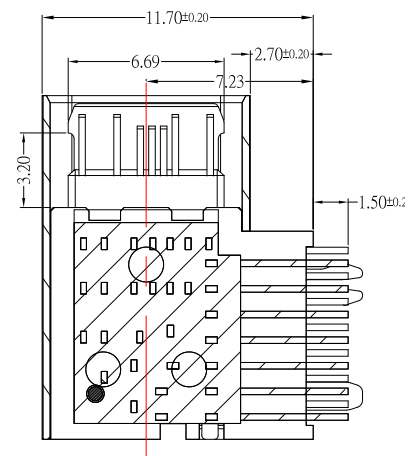
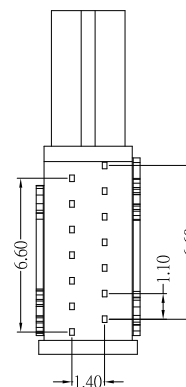
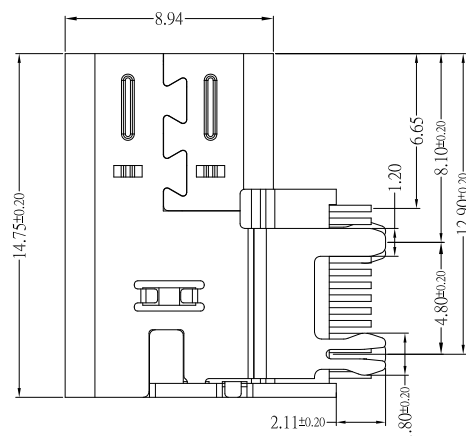
2 : 15u''

3 : 30u"

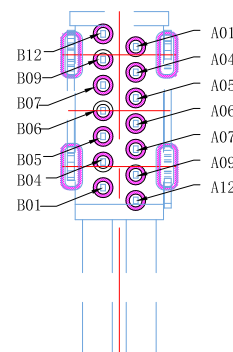
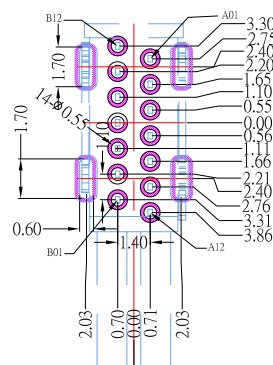
|     |             |     |             |
|-----|-------------|-----|-------------|
| A1  | GND         | B12 | GND         |
| A4  | VBUS        | B9  | VBUS        |
| A5  | CC1         |     |             |
| A6  | DP1         | B7  | DN2         |
| A7  | DN1         | B6  | DP2         |
|     |             | B5  | CC2         |
| A9  | VBUS        | B4  | VBUS        |
| A12 | GND         | B1  | GND         |
| PIN | SIGNAL NAME | PIN | SIGNAL NAME |



截面 2-2



截面 3-3



RECOMMENDED P.C.B. LAYOUT

## SPECIFICATIONS

Electrical:

- 1.Rating: 5.0 A
- 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: C1814  
3.Shell: SUS

Finish:

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

# CONTACT

建倚科技股份有限公司  
CONTACT TECHNOLOGY CORP.

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

|              |          |           |        |          |                                |            |
|--------------|----------|-----------|--------|----------|--------------------------------|------------|
| DRAWN BY:    | DATE     | MAT'L     |        | TITLE    | CONNECTOR                      |            |
| Jack Lu      | 06/17/22 |           |        |          |                                |            |
| CHECKED BY:  | DATE     | FINISH    |        | MODLE    | USB 3.1 側插母座 14 PIN 墊高2.7 高導電銅 |            |
| Jacky Chen   | 06/17/22 | SCALE     | 1 : 1  | DWG NO.  | SBC-140P3H-20x-S412            | SIZE<br>A4 |
| APPROVED BY: | DATE     | SHEET NO. | 1 of 1 | PART NO. | SBC-140P3H-20x-S412            | VER        |
| Tony Kao     | 06/17/22 |           |        |          |                                | R2         |