



RECOMMENDED P.C.B. LAYOUT  
TOLERANCE UNSPECIFIED ±0.05mm

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.CONTACTS:COPPER ALLOY
- 3.MID PLATE: STAINLESS STEEL
- 4.FRONT SHELL: STAINLESS STEEL

2.PLATING SPECIFICATION:

- 2-1.CONTACTS:  
Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.  
(GOLD PLATING THICKNESS FOLLOW THE P/N)  
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N

2-2.FRONT SHELL:

SEE TABLE1.

2-3.SHIELD PLATE&EMI PLATE:

CLEAR ONLY

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 0.5~2.0kgf.
- 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
- 3-3.DURABILITY: 5000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4-1. CURRENT RATING:3.0A  
VOLTAGE RATING:5.0V
- 4-2. LLCR:  
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.  
SHIELD: 50mΩ/MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 4-3.INSULATION RESISTANCE: 100MΩ MIN
- 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL  
BE MAINTAINED FOR 10 SECONDS AT 260°C.

PIN ASSIGNMENTS

|     |             |     |             |
|-----|-------------|-----|-------------|
| A5  | CC1         | B12 | GND         |
| A9  | VBUS        | B9  | VBUS        |
| A12 | GND         | B5  | CC2         |
| PIN | SIGNAL NAME | PIN | SIGNAL NAME |

|   |         |
|---|---------|
| H | H = 0.9 |
| H | H = 1.5 |

|   |         |
|---|---------|
| L | L = 6.8 |
| L | L = 6.5 |

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|              |                        |                     |                    |         |           |         |        |
|--------------|------------------------|---------------------|--------------------|---------|-----------|---------|--------|
| PART NAME    |                        | CONNECTOR           |                    | DRAWING | Y,C,ZHANG | DWG.No. | SBICL  |
| PART NO.     |                        | TYPE-C 6PIN 立式贴片SMT |                    | CHECK   | G.C.Chen  | REV.    | A1     |
| UNIT :<br>mm | TOLERANCE<br>OTHERWISE | UP TO 5<br>±0.2     | ABOVE 5~30<br>±0.3 | ANGLE   | APPROVAL  | DATE    |        |
|              |                        | ABOVE 30<br>±0.5    | ANGLE<br>±3°       | SCALE   | 2:1       | PAGE    | 1 OF 1 |