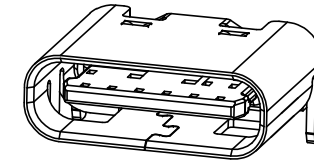
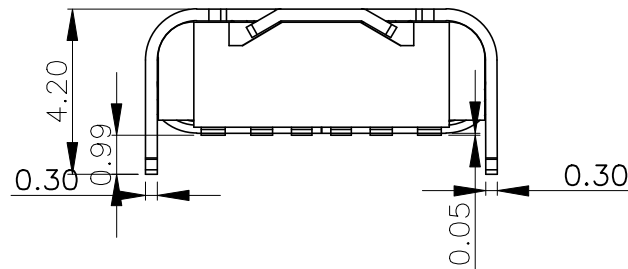
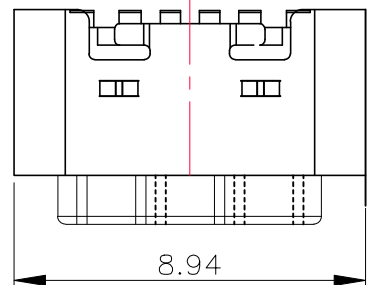


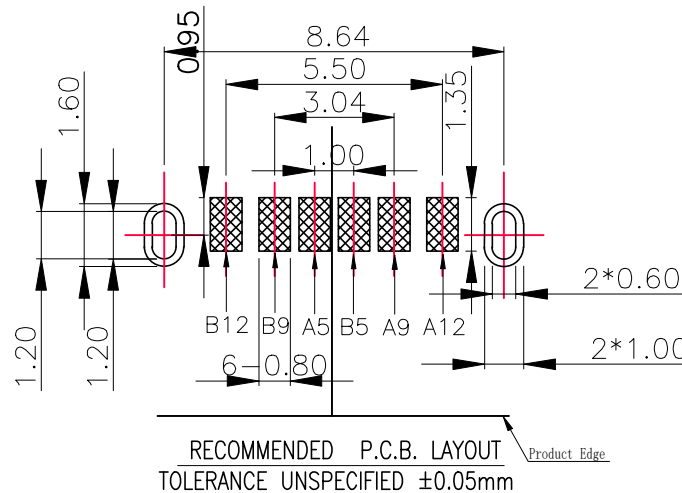
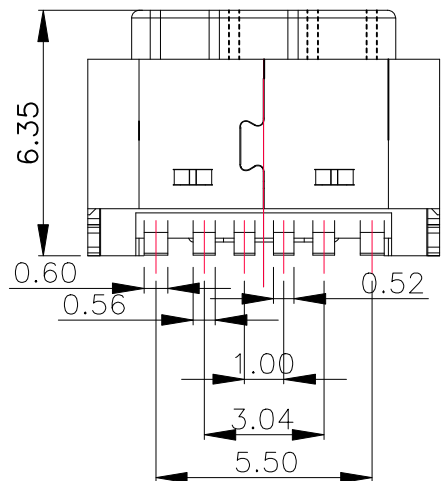
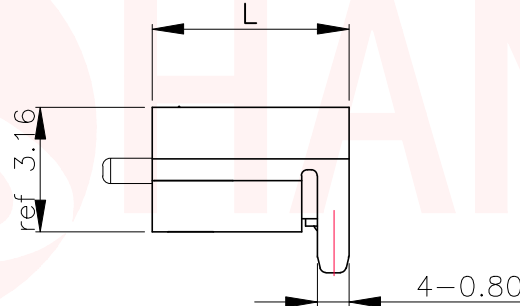
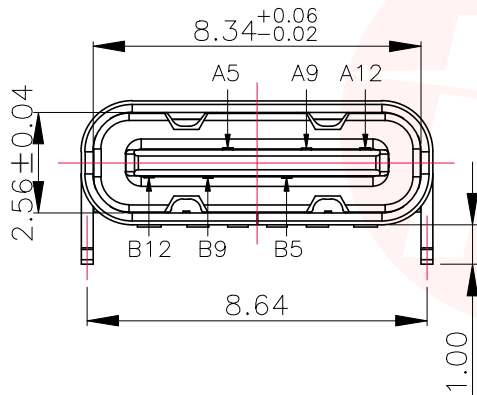


| REV. | ECN NO OR DESCRIPTION | REVISED | DATE |
|------|-----------------------|---------|------|
|      |                       |         |      |
|      |                       |         |      |



**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: 40mA/PIN MAX.  
 SHIELD: 50mA/MAX.  
 LLCR MAX. CHANGE OF ALL PINS: 10mA.
- 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 |

| PART No.    | DIM L |
|-------------|-------|
| MC-311D-H50 | 5.0   |
| MC-311D-H55 | 5.5   |
| MC-311D-H65 | 6.5   |
| MC-311D-H68 | 6.8   |

UNLESS OTHERWISE SPECIFIED TOLERANCES

|             |          |
|-------------|----------|
| DECIMALS:   | ANGLES:  |
| X :±0.30    | X :±2°   |
| X.X :±0.20  | X.X :±1° |
| X.XX :±0.10 |          |



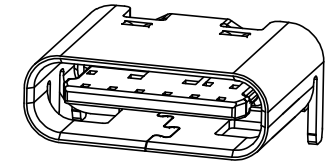
东莞市汉博电子科技有限公司  
 DONGGUAN HANBO TECHNOLOGY CO., LTD

| TITLE | TYPE C 6P 板上后两脚插板SMT |                       |             |         |
|-------|----------------------|-----------------------|-------------|---------|
| DWN   | xiong                | PART NO. MC-311D-HXXX |             |         |
| CHKD  | lee                  | SCALE:1:1             | UNIT: mm    |         |
| APVD  | wang                 | SIZE: A4              | SHEET:1OF 1 | REV: A4 |

CUSTOMER COPY



| REV. | ECN NO OR DESCRIPTION | REVISED | DATE |
|------|-----------------------|---------|------|
|      |                       |         |      |
|      |                       |         |      |



**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 TABLE 1.
  - 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: 40mA/PIN MAX.
    - SHIELD: 50mA/MAX.
    - LLCR MAX. CHANGE OF ALL PINS: 10mA.
  - 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 |

| PART No.    | DIM L |
|-------------|-------|
| MC-311D-H50 | 5.0   |
| MC-311D-H55 | 5.5   |
| MC-311D-H65 | 6.5   |
| MC-311D-H68 | 6.8   |

UNLESS OTHERWISE SPECIFIED TOLERANCES



东莞市汉博电子科技有限公司  
DONGGUAN HANBO TECHNOLOGY CO., LTD

DECIMALS: X :±0.30 X.X :±0.20 X.XX :±0.10  
 ANGLES: X :±2° X.X :±1°

| TITLE | TYPE C 6P 板上后两脚插板SMT |            |               |         |
|-------|----------------------|------------|---------------|---------|
| DWN   | xiong                | PART NO.   | MC-311D-HXXX  |         |
| CHKD  | lee                  | SCALE: 1:1 | UNIT: mm      |         |
| APVD  | wang                 | SIZE: A4   | SHEET: 1 OF 1 | REV: A4 |

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

Product Edge

A

B

C

D

A

B

C

D

1

2

3

4

5

6

1

2

3

4

5

6

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