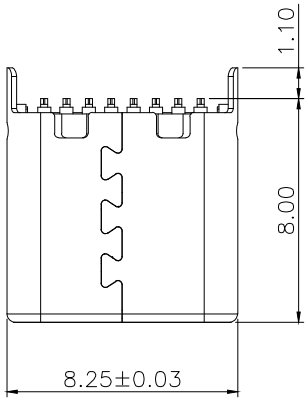
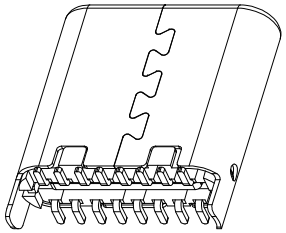
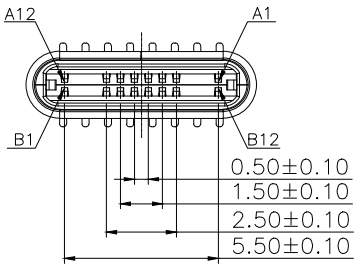
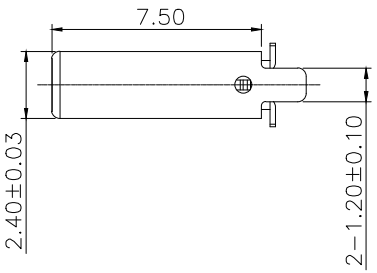
RoHS Compliant

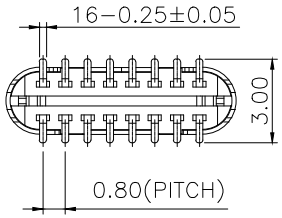
| REV. | ZONE | DESCRIPTION | DESIGN | DATE |
|---|---|---|---|---|
| A | --- | INITIAL RELEASED | ZXM | 2025.06.24 |
| B | --- | DRAWING UPGRADE | ZXM | 2025.12.22 |

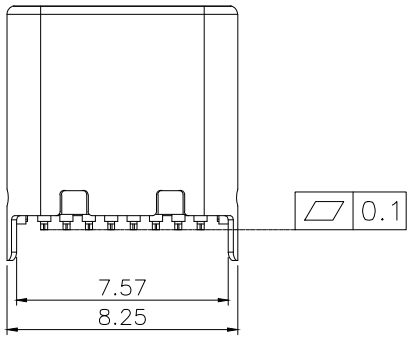





NOTE:

1.MATERIAL SPECIFICATION:

1-1.HOUSING: LCP,BLACK

1-2.CONTACTS: C5191 T=0.20

1-3.LATCH: SUS301 T=0.35

1-4.SHELL: SUS304 T=0.15;

1-5.CAP: LCP,BLACK

2.PLATING SPECIFICATION:

2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.

Au1u" PLATED ON THE FUNCTIONAL AREA OF CONTACT.

MATTE TIN 50u"MIN. PLATED ON SOLDER AREA.

2-2.SHELL:

Ni 30u" MIN. UNDER PLATED OVER ALL.

3.MECHANICAL PERFORMANCE,

3-1.INSERTION FORCE: 0.5~2.0kgf.

3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.

3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

4-1. CURRENT RATING: 3.0A
VOLTAGE RATING: 5.0V

4-2.INSULATION RESISTANCE: 100MΩ MIN.

4-3.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

4-4.LOW CONTACT RESISTANCE: INITIAL 40mΩ AFTER 50mΩ

5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -55℃~+85℃.

6.IR REFLOW:

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

| | | |
|---|---|---|
| X. ±0.50 | X.° ± 2° | UNITS: mm |
| .X ±0.30 | .X° ± 1° | MAT'L: |
| .XX ±0.20 | .XX° ± 0.5° | FINISH: |
| .XXX ± 0.10 | | Q'TY: |

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广东创粤科技有限公司
Guangdong Chuangyue Technology Co.,Ltd

TITLE: TYPE-C 16PIN立贴公头 H=8.0MM 脚长1.1

APPD: CZN

CHKD: CZJ

DR: ZXM

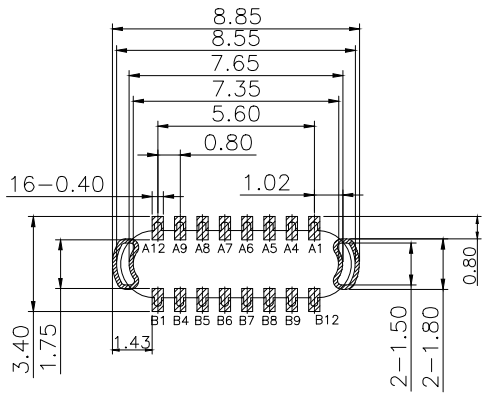
PART NO.: TYPE-CM-16P-H8.0SMT-00167

| SCALE | SHEET | REV. |
|---|---|---|
| 1/1 | 1/2 | B |

| REV. | ZONE | DESCRIPTION | DESIGN | DATE |
|---|---|---|---|---|
| A | --- | INITIAL RELEASED | ZXM | 2025.06.24 |
| B | --- | DRAWING UPGRADE | ZXM | 2025.12.22 |

RoHS Compliant

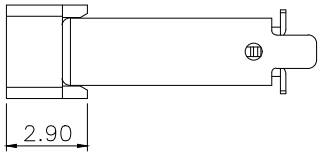
Process Capable

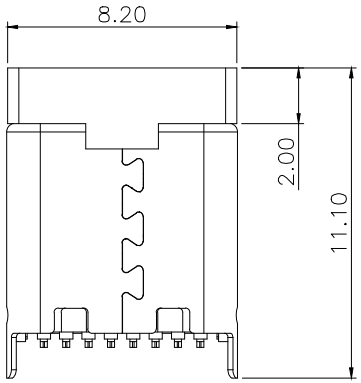


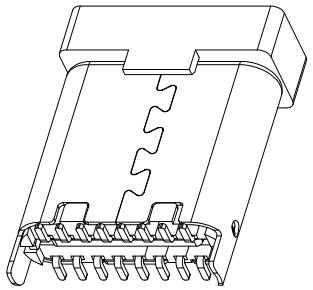

RECOMMENDED PCB LAYOUT

COMPONENT SIDE(GENERAL TOLERANCE:±0.05)



Added suction cap view

SCALE 1:1

## PIN ASSIGNMENT:

| Pin No. | Signal Name | Pin No. | Signal Name |
|---|---|---|---|
| A1 | GND | B12 | GND |
| A2 | | B11 | |
| A3 | | B10 | |
| 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 | | B3 | |
| A11 | | B2 | |
| A12 | GND | B1 | GND |

| | | | |
|---|---|---|---|
| X. ±0.50 | X.° ± 2° | UNITS | 广东创粤科技有限公司 |
| .X ±0.30 | .X° ± 1° | mm | Guangdong Chuangyue Technology Co.,Ltd |
| .XX ±0.20 | .XX° ± 0.5° | MAT'L | TITLE: TYPE-C 16PIN立贴公头 H=8.0MM 脚长1.1 |
| .XXX ± 0.10 | | FINISH | APPD: CZN / PART NO.: TYPE-CM-16P-H8.0SMT-00167 |
| | | Q'TY | CHKD: CZJ |
| | | | DR: ZXM |

| SCALE | SHEET | REV. |
|---|---|---|
| 1/1 | 2/2 | B |

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