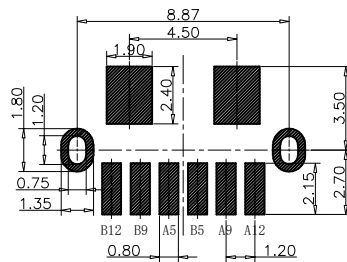
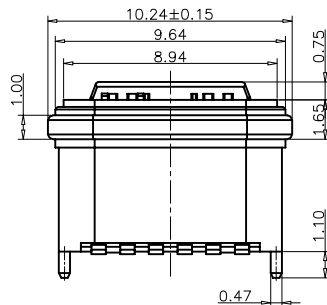
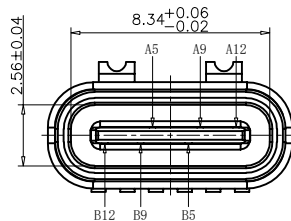
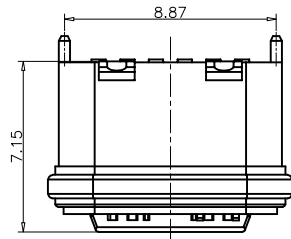
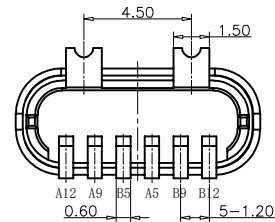
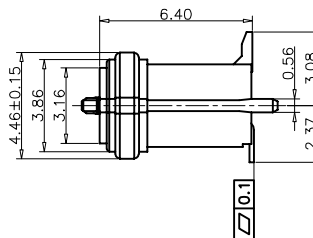


RoHS Compliant



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)  
TOLERANCE FOR PCB LAYOUT IS ±0.05



## REVISIONS

| REV. | DESCRIPTION | DATE | DESIGN |
|------|-------------|------|--------|
|      |             |      |        |

## NOTES:

### SPECIFICATION:

- CURRENT RATING: 3.0 A
- VOLTAGE RATING: 5.0 V
- VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX  
SHIELD: 50mΩ/MAX  
LLCR MAX. CHANGE OF ALL PINS: 10Ωm
- INSULATION RESISTANCE: 100MΩ MIN
- DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1MINUTE
- INSERTION FORCE: 0.5~2.0kgf
- UNMATING FORCE: 0.6~2.04kgf
- DURABILITY: 10000 CYCLES
- OPERATING TEMPERATURE: -20°C~+85°C
- THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 210-230°C
- WATERPROOF: IP-X7.

## PART NO. INFORMATION

U06-C F X X 5 R - W002 - V1

|                                                                                                               |                                                                         |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| PORT TYPE<br>C: TYPE C                                                                                        | PACKAGE<br>R: TAPE REEL                                                 |
| GENDER<br>F: FEMALE<br>M: MALE                                                                                | HOUSING COLOR<br>2: WHITE<br>5: BLACK<br>9: NATURE                      |
| CONTACT PLATED<br>1: GOLD FLASH<br>2: GOLD 3U"<br>3: GOLD 5U"<br>4: GOLD 10U"<br>5: GOLD 15U"<br>6: GOLD 30U" | HOUSING MATERIAL<br>A: LCP B: PBT<br>C: PA9T D: PA6T<br>E: PA46 F: PA66 |

## TABLE:

| NO | PART            | Q'TY | Material                                          |
|----|-----------------|------|---------------------------------------------------|
| 1  | SHELL           | 1    | ZINC ALLOY, NI PLATED                             |
| 2  | CONTACT         | 6    | COPPER STEEL, TIN/AU/NI PLATED                    |
| 3  | 1MD HOUSING     | 1    | HIGH TEMPERATURE RESISTANT PLASTIC BLACK UL94 V-0 |
| 4  | WATERPROOF RING | 1    | SILICONE UL94 V-0 BLACK                           |

## USB TYPE C PIN ASSIGNMENTS

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

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## TOLERANCES UNLESS OTHERWISE SPECIFIED:

|     |   |      |       |   |     |
|-----|---|------|-------|---|-----|
| X.  | ± | 0.15 | X.*   | ± | 10° |
| .X  | ± | 0.10 | .X.*  | ± | 8°  |
| .XX | ± | 0.05 | .XX.* | ± | 5°  |

Website: www.bsc-elec.com

Email: bestcreate@bsc-elec.com

DESIGN:

I. L

DATE:

CHECKED:

C. W

DATE:

APPROVED:

C. W

DATE:

TITLE:

IP67 WATERPROOF 6P USB C FEMALE CONNECTOR VERTICAL  
SMT, L=7.15MM

MATERIAL:

FINISH:

PART NO:

U06-CFXX5R-W002-V1

SIZE:

A4

DWG NO:

U06-CFXX5R-W002-V1

1 OF 3

REV:

A

UNIT

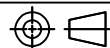
mm

SCALE

1=1

QUALITY

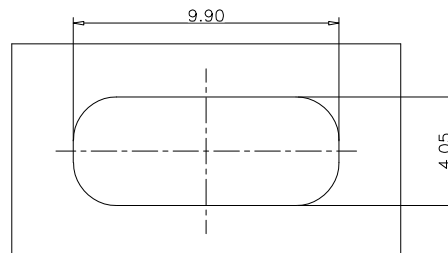
SYMBOLS



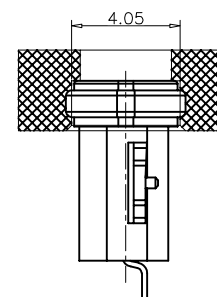
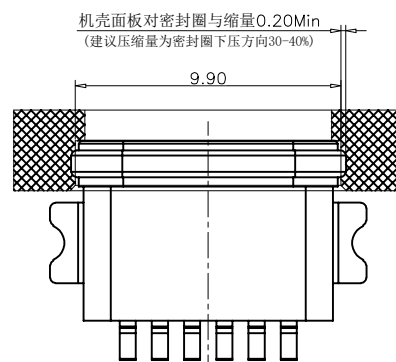
RoHS Compliant

REVISIONS

| REV. | DESCRIPTION | DATE | DESIGN |
|------|-------------|------|--------|
|      |             |      |        |



密封开孔参考尺寸(只供参考)  
组装外壳时需要打环保润滑油



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TOLERANCES UNLESS OTHERWISE SPECIFIED:

|     |   |      |      |   |     |
|-----|---|------|------|---|-----|
| X.  | ± | 0.15 | X."  | ± | 10" |
| .X  | ± | 0.10 | .X"  | ± | 8"  |
| .XX | ± | 0.05 | .XX" | ± | 5"  |

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Email: [bestcreate@bsc-elec.com](mailto:bestcreate@bsc-elec.com)

DESIGN: I. L.      DATE:

CHECKED: C. W.      DATE:

APPROVED: C. W.      DATE:

TITLE:  
IP67 WATERPROOF 6P USB C FEMALE CONNECTOR VERTICAL  
SMT, L=7.15MM

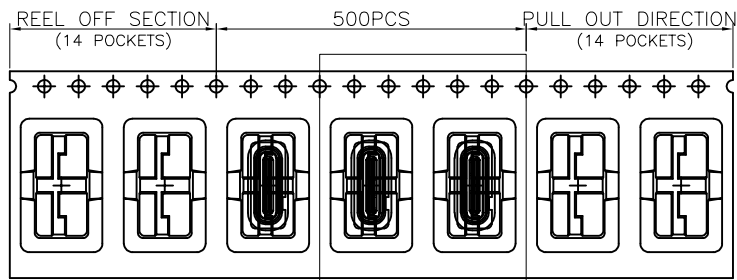
|           |                                |             |
|-----------|--------------------------------|-------------|
| MATERILA: | PART NO:<br>U06-CFXX5R-W002-V1 | SIZE:<br>A4 |
| FINSH:    | DWG NO:<br>U06-CFXX5R-W002-V1  | 2 OF 3      |

|        |         |           |                 |
|--------|---------|-----------|-----------------|
| REV: A | UNIT mm | SCALE 1=1 | QUALITY SYMBOLS |
|--------|---------|-----------|-----------------|

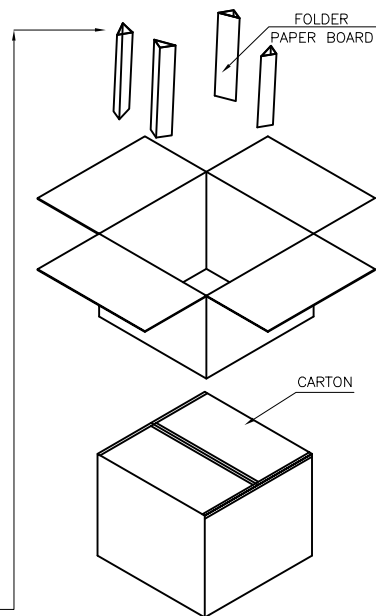
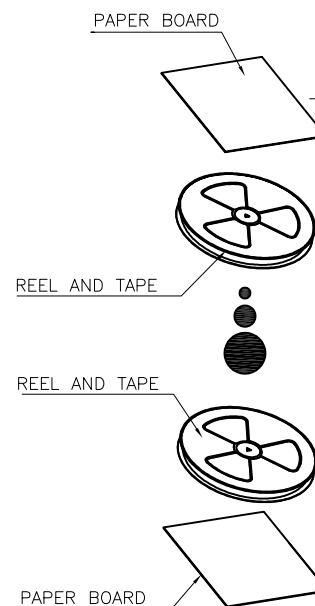
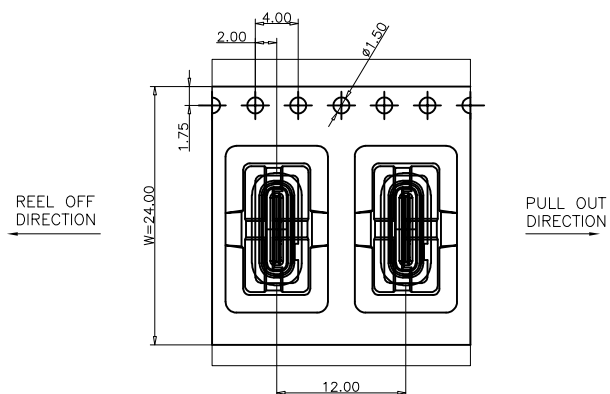
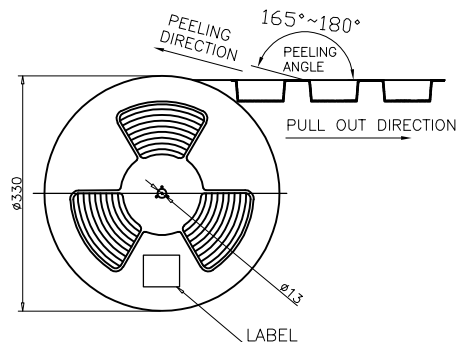
RoHS Compliant

REVISIONS

| REV. | DESCRIPTION | DATE | DESIGN |
|------|-------------|------|--------|
|      |             |      |        |



SEE DETAIL X



|                 | REEL | CARTON |
|-----------------|------|--------|
| CONNECTOR (PCS) | 500  | 5000   |

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

|     |        |      |       |
|-----|--------|------|-------|
| X.  | ± 0.15 | X.*  | ± 10" |
| .X  | ± 0.10 | .X*  | ± 8"  |
| .XX | ± 0.05 | .XX* | ± 5"  |

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DESIGN: I. L  
DATE:

CHECKED: C. W  
DATE:

APPROVED: C. W  
DATE:

TITLE:  
IP67 WATERPROOF 6P USB C FEMALE CONNECTOR VERTICAL  
SMT, L=7.15MM

|           |                                |             |
|-----------|--------------------------------|-------------|
| MATERILA: | PART NO:<br>U06-CFXX5R-W002-V1 | SIZE:<br>A4 |
| FINSH:    | DWG NO:<br>U06-CFXX5R-W002-V1  | 3 OF 3      |

REV: A  
UNIT mm  
SCALE 1=1  
QUALITY SYMBOLS