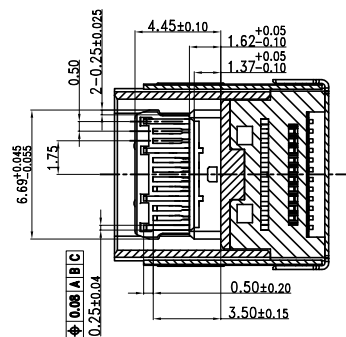
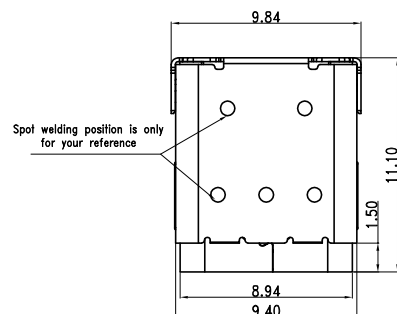


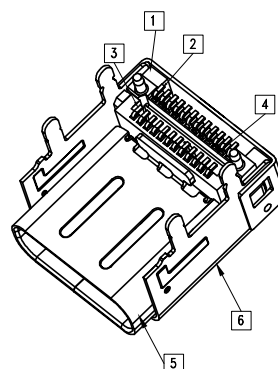
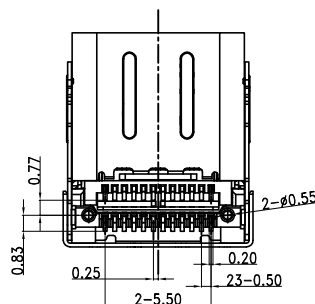
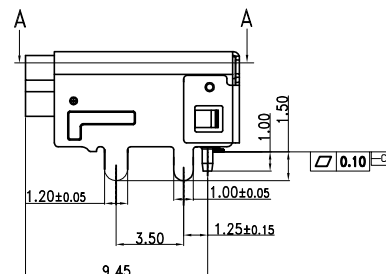
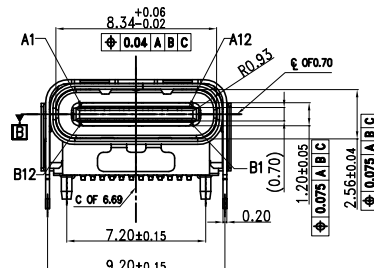
RoHS Compliant

REVISIONS

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



SECTION A-A



NOTE:

1.MATERIAL:

- 1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94 V-0;
- 1.2 CONTACT: COPPER ALLOY
- 1.3 SHELL:STAINLESS STEEL
- 1.4 MYLAR:POLYIMIDE

2.ELECTRICAL CHARACTERISTICS;

- 2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
- 2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
- 2.4 INSULATION RESISTANCE 100MΩ Min
- 2.5 OPERATING TEMPERATURE: -40°C ~ 85°C

3 MECHANICAL CHARACTERISTICS:

- 3.1 MATING FORCE: 5~20 N.
- 3.2 UNMATED FORCE: 8~20N AFTER TEST
- 3.3 DURABILITY: 10,000 CYCLES

4.PLATING

- 4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING 8u" ALL OVER 50u" Min NICKEL AND 80u"Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
- 4.2 SHELL: 50u" Min. NICKEL ALL OVER,

PART NO. INFORMATION

U06-C F 2 X 5 R - 036

|                                                                                                               |                                                                         |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 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 |

|    | A    |    | B    |
|----|------|----|------|
| 1  | GND  | 12 | GND  |
| 2  | TX1+ | 11 | RX1- |
| 3  | TX1- | 10 | RX1+ |
| 4  | VBUS | 9  | VBUS |
| 5  | CC1  | 8  | SBU1 |
| 6  | D+   | 7  | D-   |
| 7  | D-   | 6  | D+   |
| 8  | SBU1 | 5  | CC2  |
| 9  | VBUS | 4  | VBUS |
| 10 | RX2- | 3  | TX2- |
| 11 | RX2+ | 2  | TX2- |
| 12 | GND  | 1  | GND  |

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

|     |        |      |       |
|-----|--------|------|-------|
| X.  | ± 0.30 | X.*  | ± 10° |
| .X  | ± 0.20 | .X*  | ± 8°  |
| .XX | ± 0.10 | .XX* | ± 5°  |

Website: [www.bsc-elec.com](http://www.bsc-elec.com)

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

DESIGN: I.L  
DATE: 2017.3.1

CHECKED: C.W  
DATE: 2017.3.1

APPROVED: C.W  
DATE: 2017.3.1

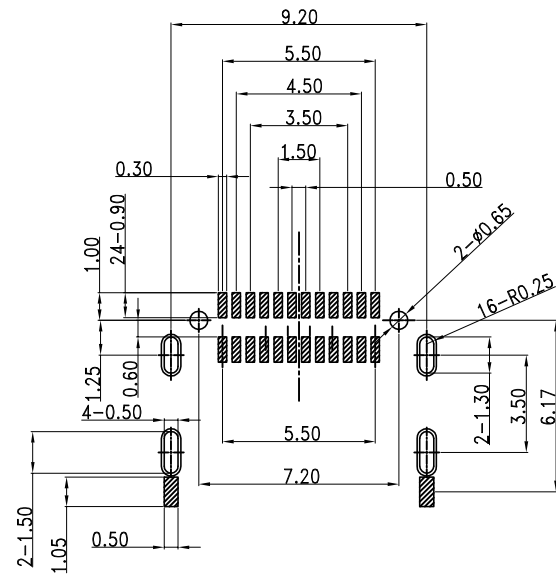
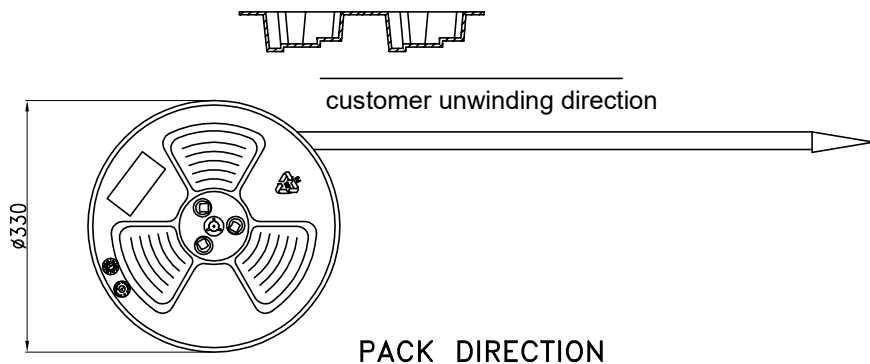
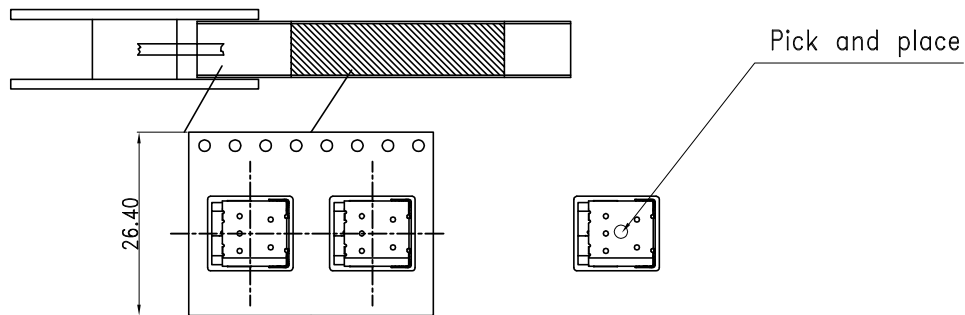
TITLE: USB 3.1 C FEMALE CONNECTOR,  
CH=3.4mm, L=11.1mm

|           |                         |               |
|-----------|-------------------------|---------------|
| MATERIAL: | PART NO: U06-CF2X5R-036 | SIZE: A4      |
| FINISH:   | DWG NO: U06-CF2X5R-036  | SHEET: 1 OF 3 |

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

[illegible]

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



RECOMMENDED P.C.B LAYOUT(COMPANENT SIDE)

---

PCB THICKNESS:2.0±0.05mm

# Bestcreate Technology Limited

|                                        |              |                                                      |                     |                                                          |                           |                  |
|----------------------------------------|--------------|------------------------------------------------------|---------------------|----------------------------------------------------------|---------------------------|------------------|
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |              | DESIGN:<br>I.L                                       | DATE:<br>2017. 3. 1 | TITLE: USB 3.1 C FEMALE CONNECTOR,<br>CH=3.4mm, L=11.1mm |                           |                  |
| X.     ± 0.30                          | X.*    ± 10° | CHECKED:<br>C.W                                      | DATE:<br>2017. 3. 1 |                                                          |                           |                  |
| .X     ± 0.20                          | .X.*   ± 8°  | APPROVED:     DATE:<br>C.W                2017. 3. 1 |                     | FINISH:                                                  | DWG NO:<br>U06-CF2X5R-036 | SHEET:<br>1 OF 3 |
| .XX    ± 0.10                          | .XX.*   ± 5° |                                                      |                     |                                                          |                           |                  |
| Website: www.bsc-elec.com              |              |                                                      |                     |                                                          |                           |                  |
| E-mail: bestcreate@bsc-elec.com        |              |                                                      |                     |                                                          |                           |                  |