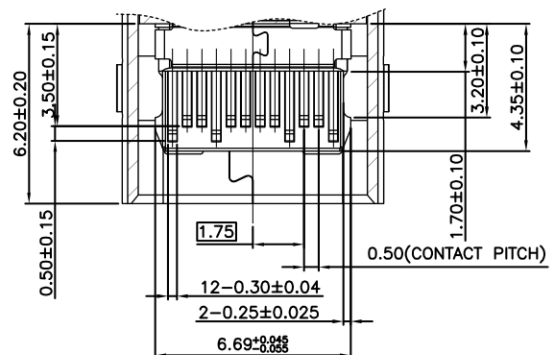
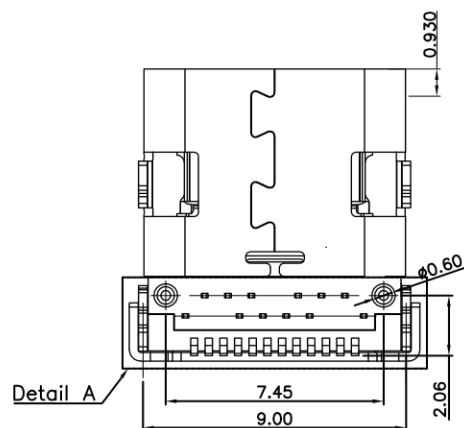
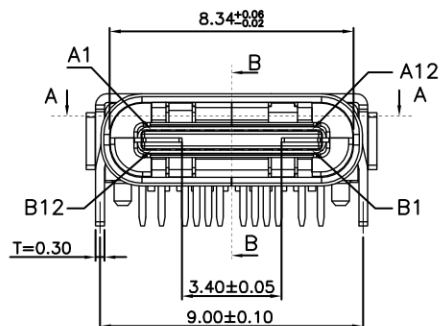
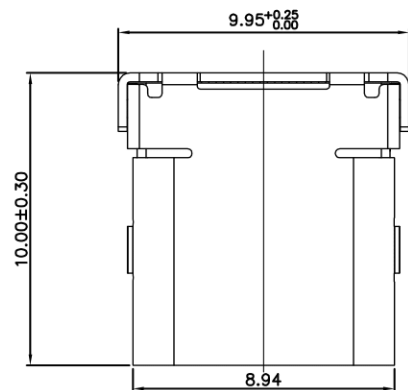
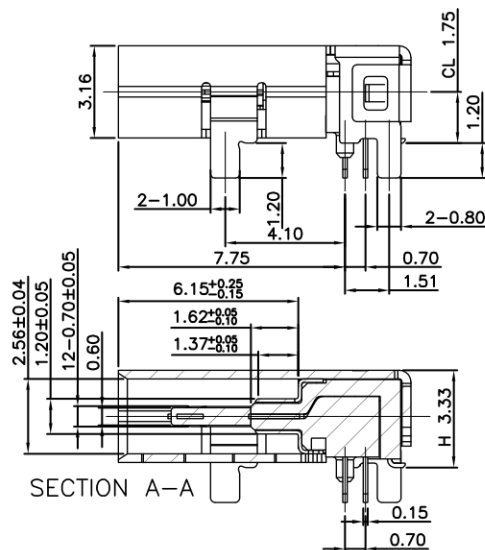
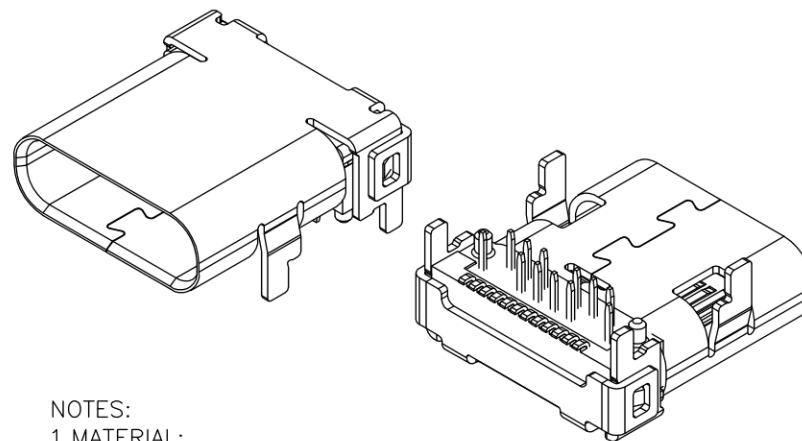




SECTION B-B



SECTION A-A



## NOTES:

## 1.MATERIAL:

MOLDING: LCP UL94 V-0

CONTACT: COPPER ALLOY.

GOLD PLATED 30u" Min ON CONTACT AREA, 100u" Min TIN (LEAD FREE) ON SOLDER AREA,

SHELL: SUS304-H, T=0.30±0.03mm

50u" NICKEL PLATING OVER ALL.

SHIELD: SUS304-H, T=0.12±0.03mm

## 2.MECHANICAL:

INSERTION: 5~20N.

EXTRACTION: 8~20N.

## 3.ELECTRICAL:

CURRENT: 5A MIN FOR VBUS;

0.25A MIN FOR OTHER.

VOLTAGE: 5VAC MAX

WITHSTANDING VOLTAGE: 100V AC.

CONTACT RESISTANCE: 40mΩ MAX.

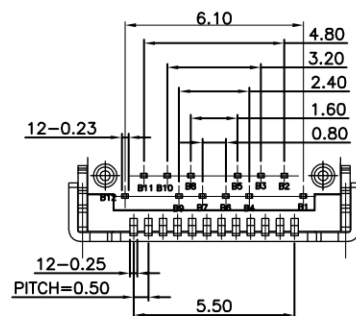
INSULATION RESISTANCE: 100MΩ MIN.

## 4.ENVIRONMENTAL

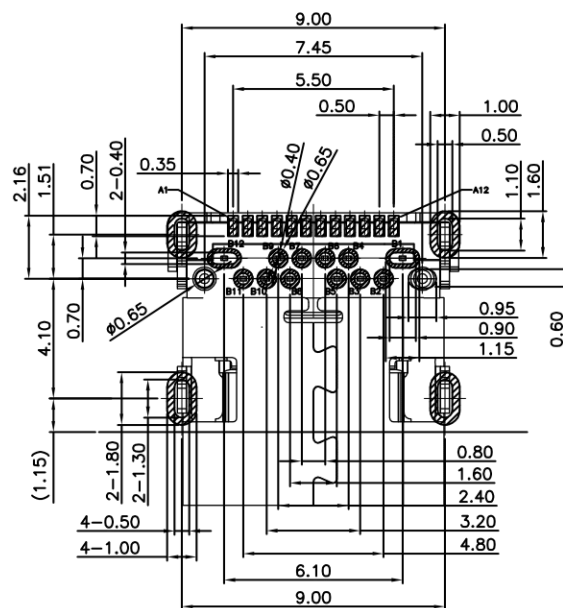
TEMPERATURE RANGE -55°C ~ +85°C

|                   |            |         |                                  |          |            |       |    |
|-------------------|------------|---------|----------------------------------|----------|------------|-------|----|
| GENERAL TOLERANCE |            | DWG NO  |                                  | DRAWING  | Sunny      | SCALE |    |
| X±0.30            | x.±        | TITLE   | USB 3.1 C TYPE FEMALE<br>DIP+SMT | CHECKED  | James      | UNIT  | mm |
| .X±0.25           | .x'±2'     |         |                                  | APPROVAL | James      |       |    |
| .XX±0.20          | .xx'±1'    | PART NO | USBC-I6-334                      | DATE     | 2014/12/10 |       |    |
| .XXX±0.10         | .xxx'±0.5' | SHEET   | conectonic                       |          |            |       |    |
| REV               | A          | SIZE    | A4                               | 1/1      |            |       |    |

| ITEM | PART NAME | Q' TY/PCS | MATERIALS | NOTE |
|------|-----------|-----------|-----------|------|
|      |           |           |           |      |
|      |           |           |           |      |
|      |           |           |           |      |



Detail A



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS  $\pm 0.05$ 

KEEP OUT AREA

## USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

| PIN | Signal Name | Description                                               | PIN | Signal Name | Description                                               |
|-----|-------------|-----------------------------------------------------------|-----|-------------|-----------------------------------------------------------|
| A1  | GND         | Ground return                                             | B12 | GND         | Ground return                                             |
| A2  | SSTXp1      | Positive half of first SuperSpeed TX differential pair    | B11 | SSTXp1      | Positive half of first SuperSpeed TX differential pair    |
| A3  | SSTXn1      | Negative half of first SuperSpeed TX differential pair    | B10 | SSTXn1      | Negative half of first SuperSpeed TX differential pair    |
| A4  | VBUS        | Bus Power                                                 | B9  | VBUS        | Bus Power                                                 |
| A5  | CC1         | Configuration Channel                                     | B8  | CC1         | Configuration Channel                                     |
| A6  | Dp1         | Positive half of the USB 2.0 differential pair-Position 1 | B7  | Dp1         | Positive half of the USB 2.0 differential pair-Position 1 |
| A7  | Dn1         | Negative half of the USB 2.0 differential pair-Position 1 | B6  | Dn1         | Negative half of the USB 2.0 differential pair-Position 1 |
| A8  | RFU1        | Reserved for Future Use (RFU)                             | B5  | RFU1        | Reserved for Future Use (RFU)                             |
| A9  | VBUS        | Bus Power                                                 | B4  | VBUS        | Bus Power                                                 |
| A10 | SSRXn2      | Negative half of second SuperSpeed RX differential pair   | B3  | SSRXn2      | Negative half of second SuperSpeed RX differential pair   |
| A11 | SSRXp2      | Positive half of second SuperSpeed RX differential pair   | B2  | SSRXp2      | Positive half of second SuperSpeed RX differential pair   |
| A12 | GND         | Ground return                                             | B1  | GND         | Ground return                                             |

|                   |   |            |    |         |                                  |                                                                                       |            |                                                                                       |    |  |
|-------------------|---|------------|----|---------|----------------------------------|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|----|--|
| GENERAL TOLERANCE |   |            |    | DWG NO  |                                  | DRAWING                                                                               | Sunny      | SCALE                                                                                 |    |  |
| X.±0.30           |   | x.±        |    | TITLE   | USB 3.1 C TYPE FEMALE<br>DIP+SMT | CHECKED                                                                               | James      | UNIT                                                                                  | mm |  |
| .X±0.25           |   | .x'±2'     |    |         |                                  | APPROVAL                                                                              | James      |  |    |  |
| .XX±0.20          |   | .xx'±1'    |    | PART NO | USBC-I6-334                      | DATE                                                                                  | 2015/11/20 |                                                                                       |    |  |
| .XXX±0.10         |   | .xxx'±0.5' |    | SHEET   | conectonic                       |  |            |                                                                                       |    |  |
| REV               | A | SIZE       | A4 | 1/1     |                                  |                                                                                       |            |                                                                                       |    |  |

| ITEM | PART NAME | Q' TY/PCS | MATETIALS | NOTE |
|------|-----------|-----------|-----------|------|
|      |           |           |           |      |
|      |           |           |           |      |
|      |           |           |           |      |