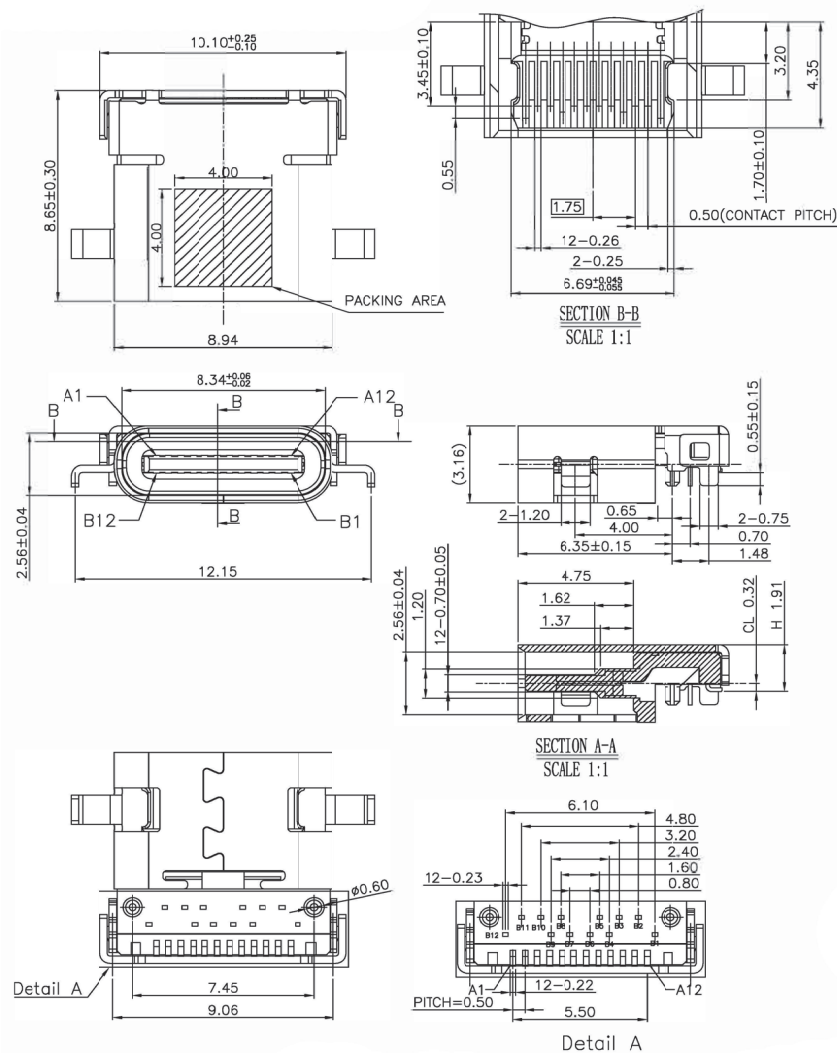


RoHS2.0+REACH

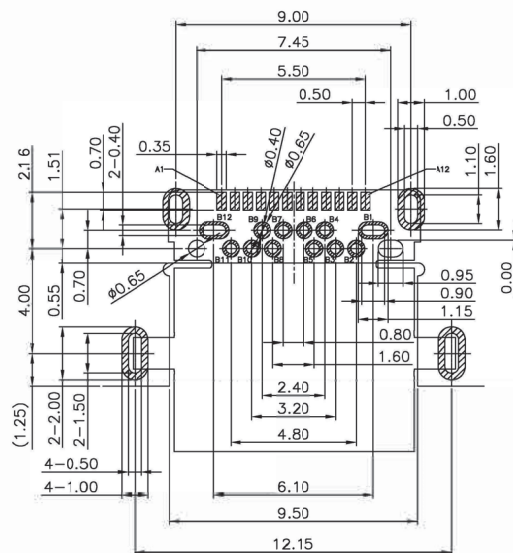
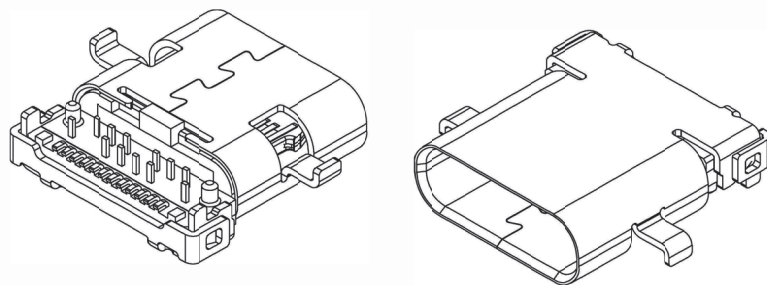


NOTES:

- MATERIAL:  
MOLDING: .CP UL94 V-0  
CONTACT: COPPER ALLOY.  
PLATED GOLD ON CONTACT AREA,  
G/F GOLD ON SOLDER AREA,  
50u" NICKEL PLATING OVER ALL.  
OUTER SHELL: SUS304-H,T=0.30±0.03mm  
50u" NICKEL SOLDER AREA TAIL  
EMI SHILD: SUS304-H,T=0.12±0.03mm  
LATCH: SUS301,T=0.15±0.03mm
- MECHANICAL:  
INSERTION: 5~20N.  
EXTRACTION: 8~20N.  
DURABILITY: 10000 CYCLES
- ELECTRICAL:  
CURRENT: 5A MAX FOR VBUS;  
1.25A FOR GND, 0.25A FOR OTHER OTHER.  
VOLTAGE: 20VDC MAX  
WITHSTANDING VOLTAGE: 100V AC.  
CONTACT RESISTANCE: 40mΩ MAX.  
INSULATION RESISTANCE: 100MΩ MIN.
- ENVIRONMENTAL:  
TEMPERATURE RANGE -40°C ~ +85°C

|     |      |             |         |           |                   |              |                                          |          |
|-----|------|-------------|---------|-----------|-------------------|--------------|------------------------------------------|----------|
| 5.0 |      |             |         | DRAWING:  | GENERAL TOLERANCE |              | <b>CHIN-BAN</b><br>Electronic Technology |          |
| 4.0 |      |             |         | Frank     | .X:=±0.30         | .X*:=±2°     |                                          |          |
| 3.0 |      |             |         | CHECKED:  | .XX:=±0.25        | .XX*:=±1°    | DESCRIPTION: 沉板单壳8.65L脚长0.6 CL0.33母座     |          |
| 2.0 |      |             |         | yangjie   | .XXX:=±0.15       | .XXX*:=±0.5° |                                          |          |
| 1.0 |      |             |         | APPROVAL: | UNIT: MM          | PROJECTION:  | PART NO: <b>USB30-AF-018</b>             | REV: 1.0 |
| NO. | DATE | DESCRIPTION | DRAWING |           | SCALE: 1:1        |              | OLD CODE: USBC1-AF-018                   | SIZE: A4 |
|     |      |             |         |           | SHEET: 1/1        |              | DRAWING NO:                              |          |

RoHS2.0+REACH



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS  $\pm 0.05$

KEEP OUT ARE

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 | SSRXp1      | Positive half of first SuperSpeed RX differential pair    |
| A3  | SSTXn1      | Negative half of first SuperSpeed TX differential pair    | B10 | SSRXn1      | Negative half of first SuperSpeed RX differential pair    |
| A4  | VBUS        | Bus Power                                                 | B9  | VBUS        | Bus Power                                                 |
| A5  | CC1         | Configuration Channel                                     | B8  | SBU2        | Sideband Use (SBU)                                        |
| A6  | Dp1         | Positive half of the USB 2.0 differential pair-Position 1 | B7  | Dn2         | Negative half of the USB 2.0 differential pair-Position 2 |
| A7  | Dn1         | Negative half of the USB 2.0 differential pair-Position 1 | B6  | Dp2         | Positive half of the USB 2.0 differential pair-Position 2 |
| A8  | SBU1        | Sideband Use (SBU)                                        | B5  | CC2         | Configuraation Channel                                    |
| A9  | VBUS        | Bus Power                                                 | B4  | VBUS        | Bus Power                                                 |
| A10 | SSRXn2      | Negative half of second SuperSpeed RX differential pair   | B3  | SSTXn2      | Negative half of second SuperSpeed TX differential pair   |
| A11 | SSRXp2      | Positive half of second SuperSpeed RX differential pair   | B2  | SSTXp2      | Positive half of second SuperSpeed TX differential pair   |
| A12 | GND         | Ground return                                             | B1  | GND         | Ground return                                             |

|     |      |             |         |
|-----|------|-------------|---------|
| 5.0 |      |             |         |
| 4.0 |      |             |         |
| 3.0 |      |             |         |
| 2.0 |      |             |         |
| 1.0 |      |             |         |
| NO. | DATE | DESCRIPTION | DRAWING |

DRAWING: Frank  
CHECKED: yangjie  
APPROVAL:

GENERAL TOLERANCE

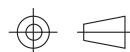
.X:= $\pm 0.30$   
.XX:= $\pm 0.25$   
.XXX:= $\pm 0.15$

.X\*:= $\pm 2^\circ$   
.XX\*:= $\pm 1^\circ$   
.XXX\*:= $\pm 0.5^\circ$

UNIT: MM

PROJECTION:

SCALE: 1:1



SHEET: 1/1

**CHIN-BAN**  
Electronic Technology

DESCRIPTION: 沉板单壳8.65L脚长0.6 CL0.33母座

PART NO: **USB30-AF-018**

REV: 1.0

OLD CODE: USBC1-AF-018

DRAWING NO:

SIZE: A4