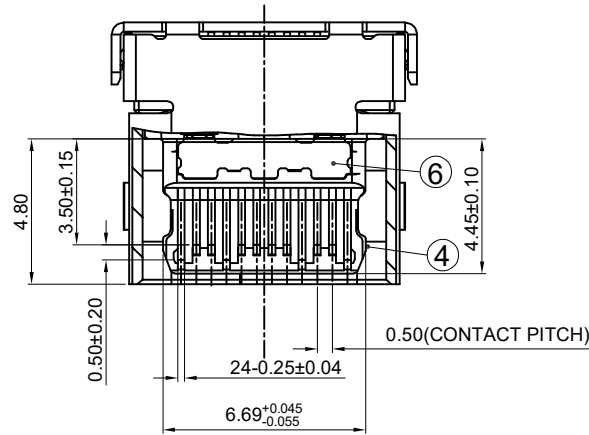
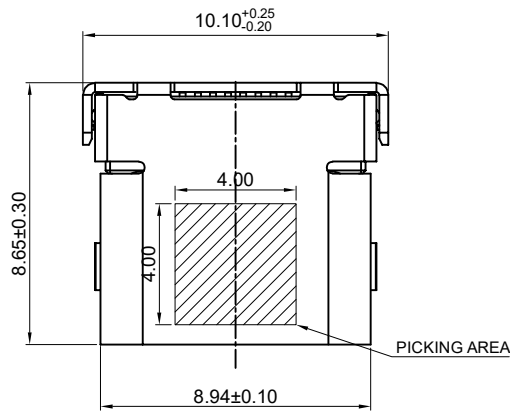
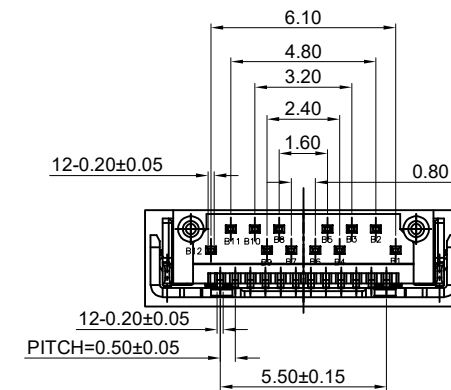
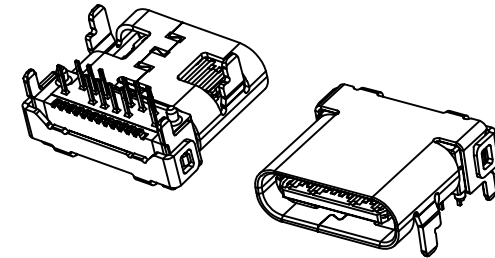
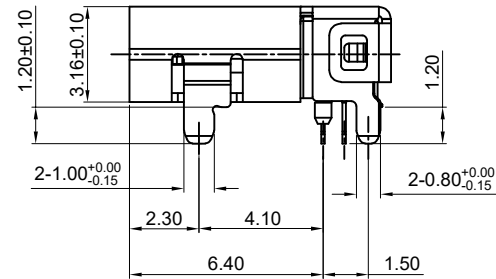
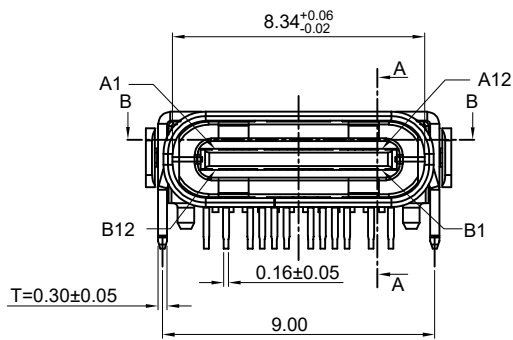


| REV | ECN No. | DATE       | REMARK      |
|-----|---------|------------|-------------|
| A   | NEW     | 2021.05.23 | NEW RELEASE |



SECTION B-B

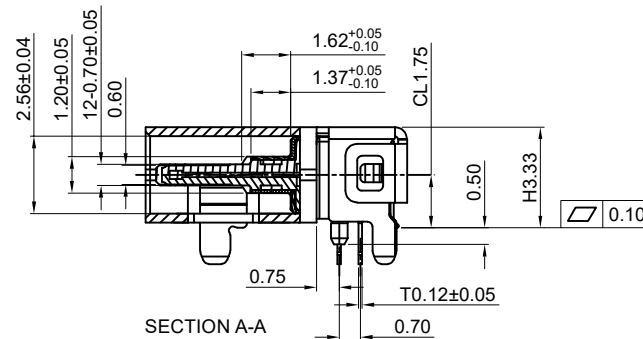
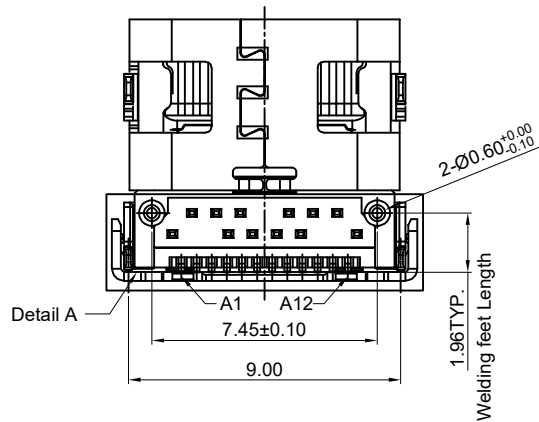


Detail A

TYPE:

|     |                 |                   |                                                                                                                       |      |
|-----|-----------------|-------------------|-----------------------------------------------------------------------------------------------------------------------|------|
| 6   | EMC PLATE       | SUS301 T=0.10mm   | CLEAR ONLY                                                                                                            | 2PCS |
| 5   | SHELL           | SUS304 T=0.20mm   | NICKEL 30u" MIN PLATING                                                                                               | 1PCS |
| 4   | SHIELDING PLATE | SUS301 T=0.15mm   | CLEAR ONLY                                                                                                            | 1PCS |
| 3   | SMT CONTACT     | C18150-H T=0.12mm | Ni 50u" MIN. UNDER PLATED OVER ALL.<br>Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.<br>PLATING Tin OF THE SOLDER AREA | 1SET |
| 2   | DIP CONTACT     | C18150-H T=0.12mm |                                                                                                                       | 1SET |
| 1   | HOUSING         | LCP UL94V-0       | BLACK                                                                                                                 | 1PCS |
| NO. | DESCRIPTION     | MATERIAL          | REMARKS                                                                                                               | QTY  |

|                                       |       |                          |                  |                                                                               |                        |
|---------------------------------------|-------|--------------------------|------------------|-------------------------------------------------------------------------------|------------------------|
| GENERAL TOLERANCES (UNLESS SPECIFIED) |       | DRAWN BY: HuangXiaoHao   | Date: 2021.05.23 | <b>ZDT</b> 深圳市中兴兴达科技有限公司<br>Shenzhen Zhongke Xingda Technological Co.,Ltd.    |                        |
| X.XXX                                 | ±0.10 | CHECKED BY: liuzongliang | Date: 2021.05.23 |                                                                               |                        |
| X.XX                                  | ±0.25 | APPROVED BY: Jacky       | Date: 2021.05.23 | TITLE<br>USB 3.1 C TYPE REC. TOP CONNECTOR<br>SINGLE SHELL (CL=1.75 L=8.65mm) |                        |
| X.X                                   | ±0.30 |                          |                  | PART NO.<br>CF016-24LB02R-C3                                                  | DWG NO.<br>CF016-24-C3 |
| ANGULAR                               | ±3°   |                          |                  | DRAWING<br>A4                                                                 | SHEET NO.<br>1 OF 3    |
| THIRD ANGLE PROJECTION                |       | UNT<br>mm                | SCALE<br>1:1     | REV.<br>A                                                                     |                        |



SECTION A-A

| REV | ECN No. | DATE       | REMARK      |
|-----|---------|------------|-------------|
| A   | NEW     | 2021.05.23 | NEW RELEASE |

NOTE:

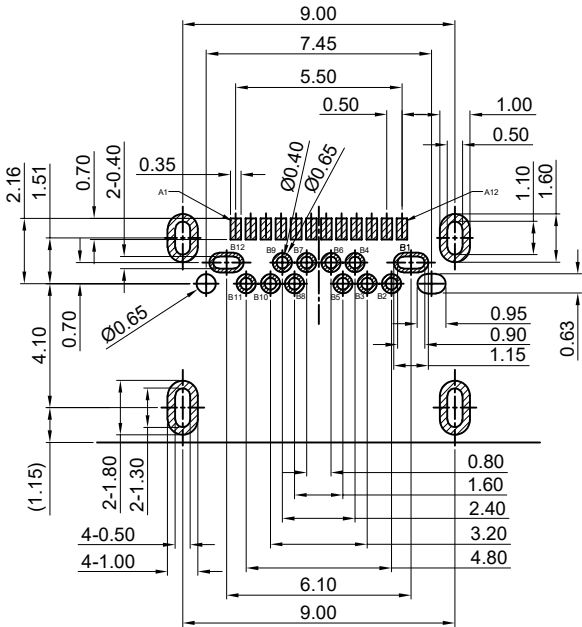
- Electrical Characteristics:
  - Current Rating: 5A For Pin(A4,A9,B4,B9)  
1.25A For Pin(B5)  
0.25A For Others Pin
  - Voltage Rating:20V
  - Insulation Resistance: 100MΩ Min.
  - Contact Resistance:  
VBUS & GND Pins And Other Pins: 40mΩ/PIN Max.  
Shield:50mΩ/Max.  
Shield:Llcr Max. Change OF All Pins: 10mΩ.
  - Dielectric Withstanding Voltage: 100V/AC 1Minute
- Mechanical Characteristics:
  - Insertion Force: 5~20N
  - Extraction Force: Initial: 8~20N  
After durability: 6~20N
  - Durability :10000 Cycles
- Operating Temperature: -25°C TO +85°C
- Mid Plate, EMC Plate, Shell Connected Together

TID NO. 8939

Ordering Information:

CF 0 16 - 24 S L X XX R - C3  
1 2 3

- Housing Color:  
B:Black
- Contacts Plated:  
12:Contact Area: Au 3u",Solder Tails:Tin
- Packing Options:  
R:Tape & Reel

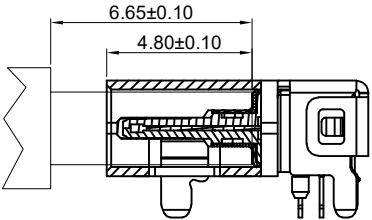


RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ± 0.05  
KEEP OUT AREA

USB TYPE-C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | SSTXp1      | B11        | SSRXp1      |
| A3         | SSTXn1      | B10        | SSRXn1      |
| 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        | SSRXn2      | B3         | SSTXn2      |
| A11        | SSRXp2      | B2         | SSTXp2      |
| A12        | GND         | B1         | GND         |



MATED CONDITION(REF.)

|                                          |       |                                              |  |                                                                               |              |                        |
|------------------------------------------|-------|----------------------------------------------|--|-------------------------------------------------------------------------------|--------------|------------------------|
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |       | DRAWN BY: Date:<br>HuangXiaoHao 2021.05.23   |  | ZDT 深圳市中科兴达科技有限公司<br>Shenzhen Zhongke Xingda Technological Co.,Ltd.           |              |                        |
| X.XXX                                    | ±0.10 | CHECKED BY: Date:<br>liuzongliang 2021.05.23 |  | TITLE<br>USB 3.1 C TYPE REC. TOP CONNECTOR<br>SINGLE SHELL (CL=1.75 L=8.65mm) |              |                        |
| X.XX                                     | ±0.25 | APPROVED BY: Date:<br>Jacky 2021.05.23       |  | PART NO.<br>CF016-24LB02R-C3                                                  |              | DWG NO.<br>CF016-24-C3 |
| X.X                                      | ±0.30 | THIRD ANGLE PROJECTION                       |  | UNIT<br>mm                                                                    | SCALE<br>1:1 | DRAWING<br>A4          |
| ANGULAR                                  | ±3°   |                                              |  | SHEET NO.<br>2 OF 3                                                           |              | REV.<br>A              |

