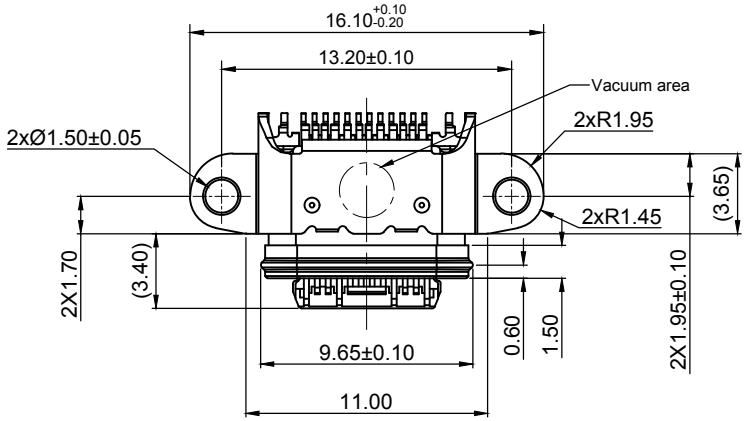
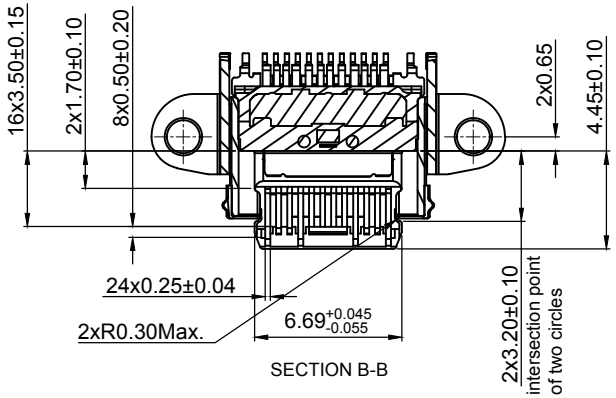
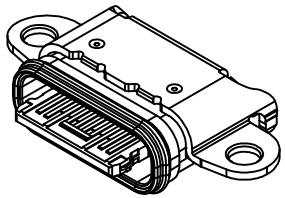
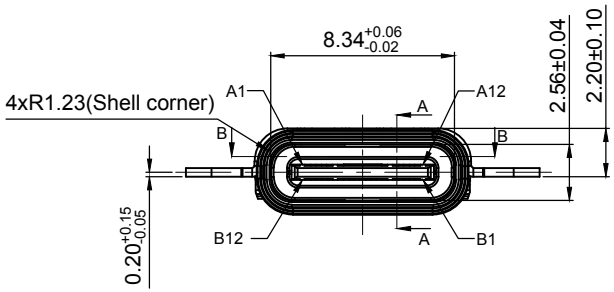
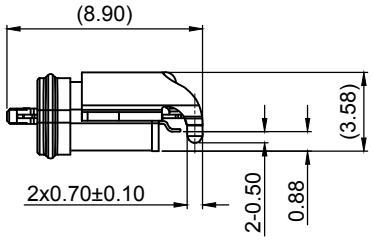


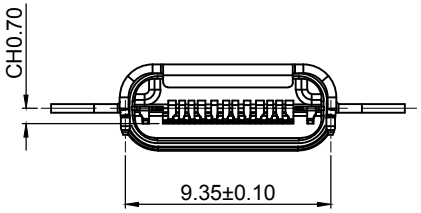



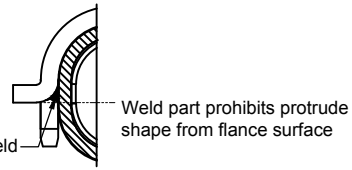

SECTION B-B



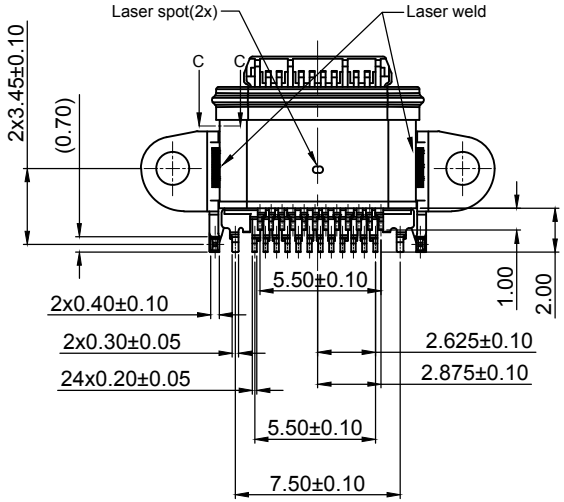


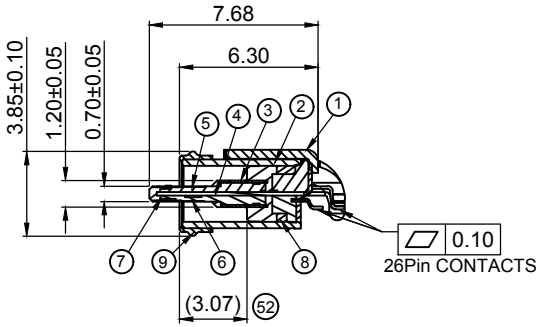




SETION C-C
SCALE 2:1




SECTION A-A

Table:

| NO. | Part Name | Q'TY | Material | Finish |
|---|---|---|---|---|
| 9 | Liquid Rubber | 1PCS | Si:CHN-LIMS-50-A/B | Color:Black, 50±10DEGREES |
| 8 | Rubber | -- | Si | Color:Black, 20±10DEGREES |
| 7 | Insertmolding | 1PCS | LCP | Color:Black UL94 V-0 |
| 6 | Bottom Contact | 12PCS | C18150-R540, T=0.12 | Mating Area: Ni 50u"MIN.+Au |
| 5 | Top Contact | 12PCS | C18150-R540, T=0.12 | Solder Tails: Ni 50u"MIN.+Au 1u" Min. |
| 4 | Mid Plate | 1PCS | SUS301R-H, T=0.15 | Ni 50u"Min.+Solder area:Au 1u"Min. |
| 3 | GND Plate | 2PCS | SUS301R-H, T=0.10 | None |
| 2 | Shell | 1PCS | SUS316, T=0.30 | None |
| 1 | Frame | 1PCS | SUS304R-1/2H, T=0.30 | MATT Ni:50u" Min. |

| REV | DESCRIPTION | DATE |
|---|---|---|
| A0 | NEW RELEASE | 2024.12.05 |

CJTconn CHANGJIANG CONNECTORS CO.,LTD.

| Unit | Scale | Sheet |
|---|---|---|
| mm | 1:1 | 1 of 3 |
| DRAWN: Haisen Li | CHK'D: Diankui Wan | APPR: Jack Yin |

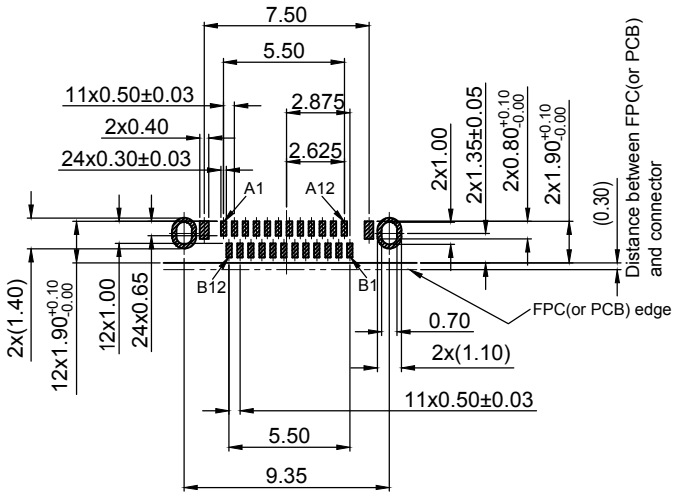
TITLE: USB TYPE-C FEMALE 24PIN WATERPROOF IPX8 Mid-Mount,CH0.7,Dual Row SMT TYPE

General Tolerances: x.x±0.25, x.xx±0.20, x.xxx±0.15, ANGLES ±1°

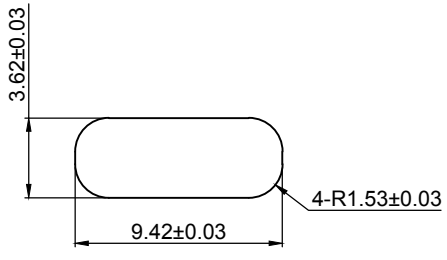
THIRD ANGLE PROJECTION

DRAWING NO.: CJ-CF246-24P

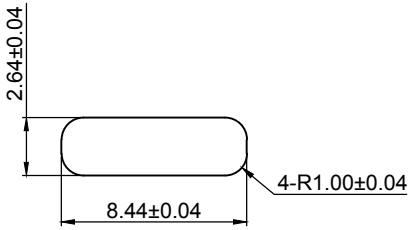
REV: A0



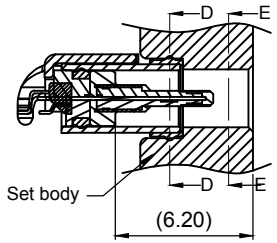

RECOMMENDED PCB LAYOUT
DEFAULT TOLERANCE:±0.05




Section: D-D




Section: E-E




RECOMMENDED SET BODY
SIDE HOLE SHAPE

SPECIFICATIONS:
1.Mechanical Performance:
1-1.Insertion Force: 5~20N.
1-2.Extraction Force: 8~20N Initial,6~20N After Test;
1-3.Durability: 10000 Cycles.
2.Electrical Performance,
2-1. Current rating:5.0 A max. For Vbus Pins，
1.25 A For Vconn Pin And Gnd Pins，
0.25 A For All of Other Pins.
Voltage Rating: 20V Max.
2-2. Contact Resistance:40mΩ Max
2-3.Insulation Resistance: 100MΩ Min
2-4.Dielectric Withstand Voltage,AC 100V For 1 Minute.
3.The Waterproof Grade Is IPX8(1.5M Depth of Water 30Min).
4.Environmental Characteristics
Salt Spray: 48H
IR Reflow: Peak Temperature 250±5°C
(Time:20S Max.)
Operating Temperature Range:-30°C to +85°C.
Storage Temperature Range: -30°C To +85°C.
Relative Humidity：15~70%RH
5.Comply To ROHS 2.0 & HF & Reach

## Ordering Information:

CJ-CF246 (1) - 24P - *** (2) - *** (3)

1.Part NO.
2.Finish:
(Blank): Select Gold:30μin[0.76μm]Min.
Select reflowed G/F: 0.6μin[0.015μm] Min Overall
Nickel Underplate: 30μin[0.76μm Min.
G15：Select Gold:15μin[0.38μm]Min.
Select reflowed G/F: 0.6μin[0.015μm] Min Overall
Nickel Underplate: 30μin[0.76μm Min.
3.Packing:
(Blank): Tape & Reel

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 |

| REV | DESCRIPTION | DATE |
|---|---|---|
| A0 | NEW RELEASE | 2024.12.05 |

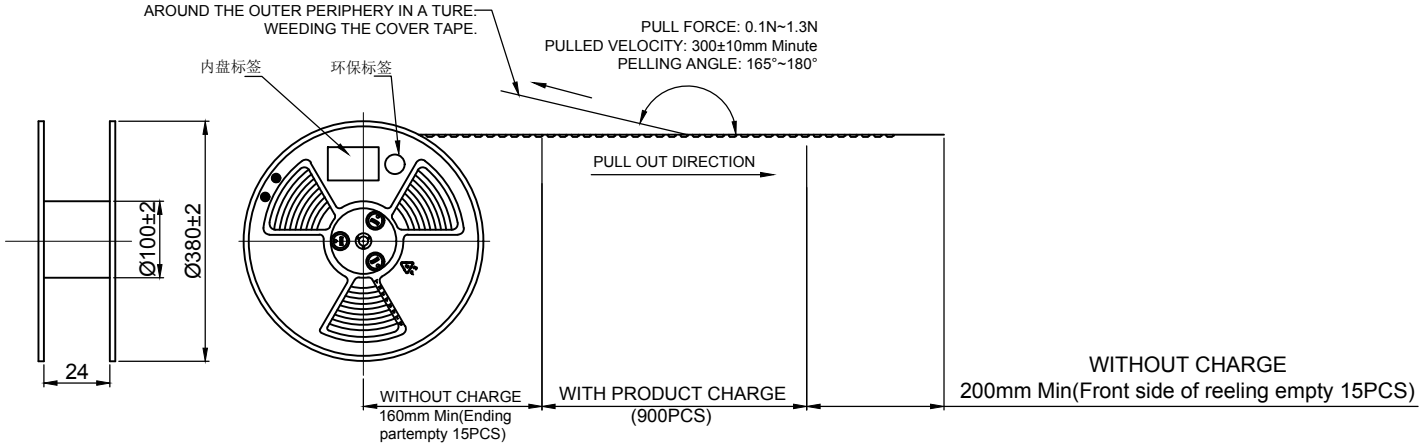
CJTconn CHANGJIANG CONNECTORS CO.,LTD.

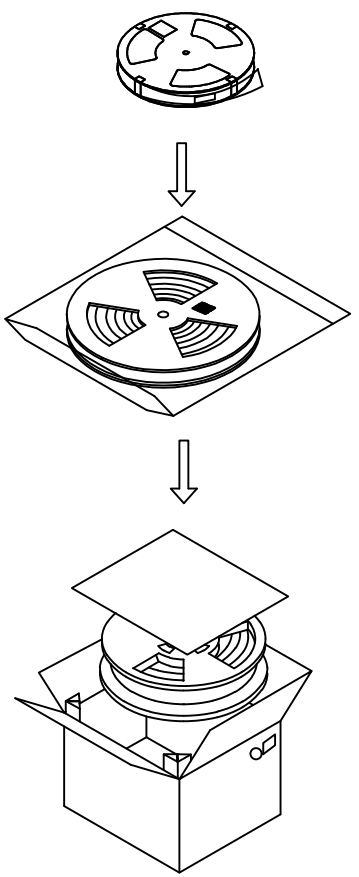
| Unit | Scale | Sheet |
|---|---|---|
| mm | 1:1 | 2 of 3 |
| DRAWN: Haisen Li | CHK'D: Diankui Wan | APPR: Jack Yin |

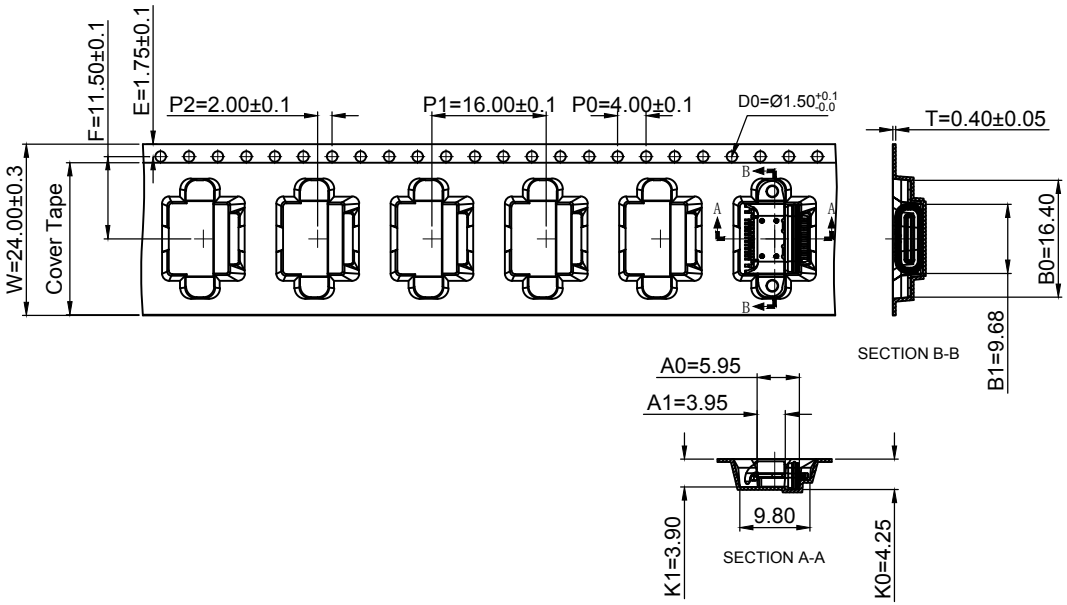
TITLE: USB TYPE-C FEMALE 24PIN WATERPROOF IPX8 Mid-Mount,CH0.7,Dual Row SMT TYPE

General Tolerances: x.x±0.25, x.xx±0.20, x.xxx±0.15, ANGLES ±1°
THIRD ANGLE PROJECTION

DRAWING NO.: CJ-CF246-24P
REV: A0






| | REEL | CARTON |
|---|---|---|
| CONNECTOR (PCS) | 900 | 9000 |

CJTconn CHANGJIANG CONNECTORS CO.,LTD.

| Unit | Scale | Sheet |
|---|---|---|
| mm | 1:1 | 3 of 3 |

| DRAWN | CHK'D | APPR |
|---|---|---|
| Haisen Li | Diankui Wan | Jack Yin |

TITLE: USB TYPE-C FEMALE 24PIN WATERPROOF IPX8 Mid-Mount,CH0.7,Dual Row SMT TYPE

General Tolerances: x.x±0.25, x.xx±0.20, x.xxx±0.15, ANGLES ±1°

THIRD ANGLE PROJECTION

DRAWING NO.: CJ-CF246-24P

REV: A0

| REV | DESCRIPTION | DATE |
|---|---|---|
| A0 | NEW RELEASE | 2024.12.05 |