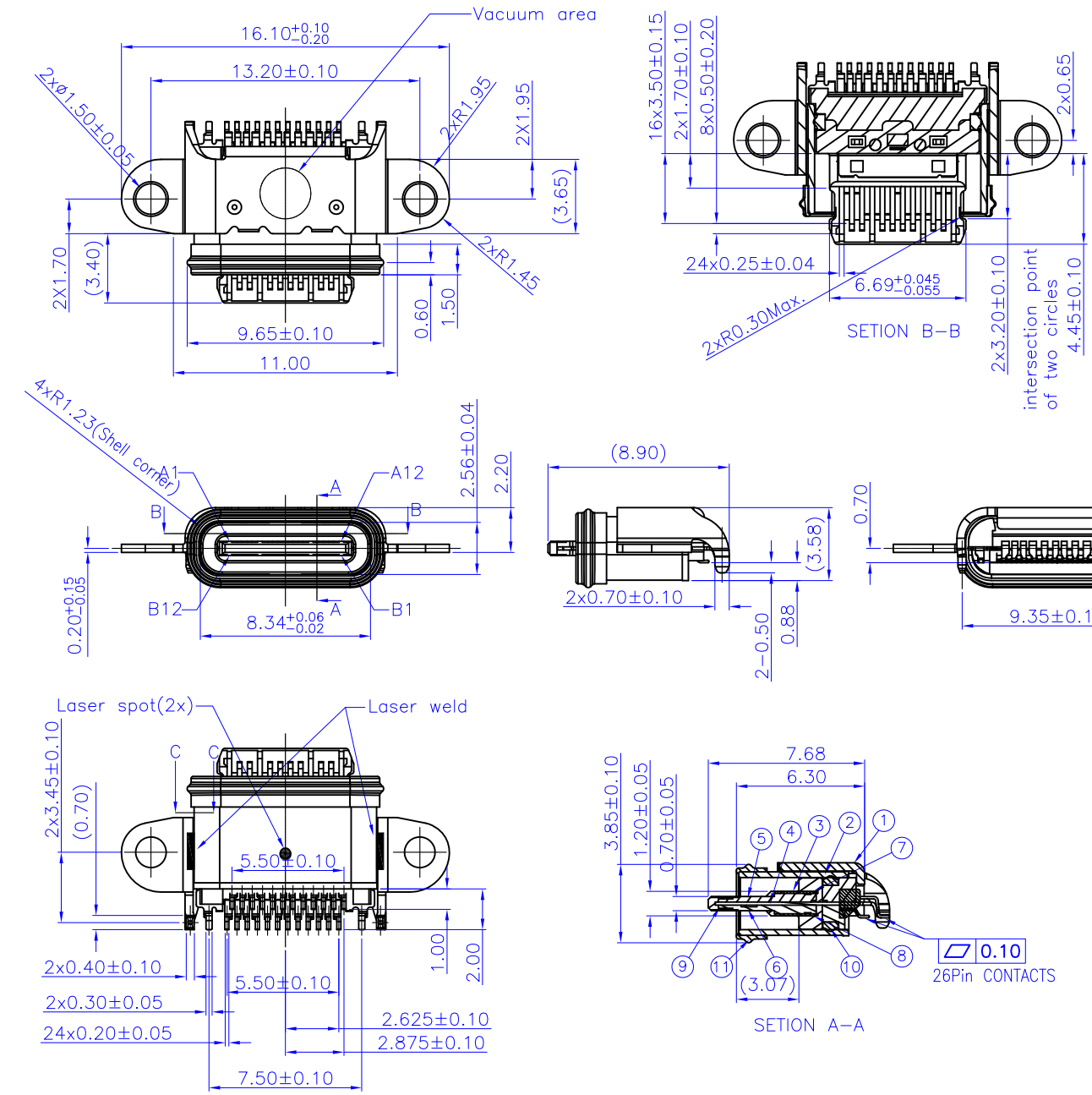


| REV | ECN No.       | DATE       | REMARK                |
|-----|---------------|------------|-----------------------|
| A   | NEW           | 2020.10.15 | NEW RELEASE           |
| B   | ECR2205003    | 2022.05.31 | 依实物顶部两个点修改图纸相符        |
| C   | ECR240108-001 | 2024.01.08 | IM减胶 改善内部 增加胶水通道,改善气密 |



Remark:

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:5A MIN FOR VBUS,0.25A MIN FOR OTHERS  
VOLTAGE RATING: 20V MAX.

2-2. LLCR:  
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).

4.PIN DEFINITION:(GND pins(A1,A12,B1,B2) and Mid Plate should connect together in PCB circuit.)

|           | A1  | A2   | A3   | A4   | A5   | A6 | A7 | A8   | A9   | A10  | A11  | A12 |
|-----------|-----|------|------|------|------|----|----|------|------|------|------|-----|
| Mid Plate | GND | TX1+ | TX1- | VBUS | CC1  | D+ | D- | SBU1 | VBUS | RX2- | RX2+ | GND |
|           | GND | RX1+ | RX1- | VBUS | SBU2 | D- | D+ | CC2  | VBUS | TX2- | TX2+ | GND |
|           | B12 | B11  | B10  | B9   | B8   | B7 | B6 | B5   | B4   | B3   | B2   | B1  |

5.Environmental Characteristics  
Salt Spray: 48H  
IR Reflow: Peak Temperature 250±5°C (Time:20S)  
Operating Temperature Range: -30°C to +85°C.  
Storage Temperature Range: -20°C to +60°C.  
Relative Humidity: 15~70%RH  
Storage Life : 6 Months  
6.Comply to RoHS2.0 & HF.

PART NUMBER CODE:(产品料号)  
CF246-24SL X XX R-C3  
(1)(2)

(1) HOUSING COLOR:  
B:BLACK

(2) CONTACTS PLATED:  
14:接触镀金15u"焊接镀金1u"

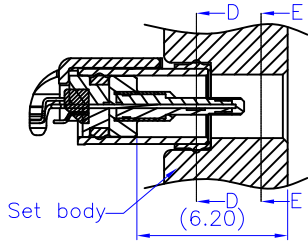
|                          |                |                                                                                       |                      |                                                       |
|--------------------------|----------------|---------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------|
| 9                        | Liquid Rubber  | 1PCS                                                                                  | Si                   | Color:Black                                           |
| 8                        | Rubber         |                                                                                       | Si                   | Color:Black                                           |
| 7                        | Insertmolding  | 1PCS                                                                                  | LCP E6808            | Color:Black UL94 V-0                                  |
| 6                        | Bottom Contact | 12PCS                                                                                 | C18150-R540, T=0.12  | Mating Area: Ni 50u"MIN.+Au 15u" Min.                 |
| 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       | Ni:50u" Min.                                          |
| 1                        | Frame          | 1PCS                                                                                  | SUS304R-1/2H, T=0.30 | Ni:50u" Min.                                          |
| NO.                      | Part Name      | Q'TY                                                                                  | Material             | Finish                                                |
| PART NO.:                |                | DRAWN BY:                                                                             |                      | ZDT 深圳市中科兴达科技有限公司<br>SHENZHEN ZDT TECHNOLOGY CO., LTD |
| SEE THE PART NUMBER CODE |                | HuangXiaoHao                                                                          |                      |                                                       |
| GENERAL TOLERANCES       |                | CHECKED BY:                                                                           |                      | TITLE                                                 |
| x.xxxx ± ---             |                | liuzongliang                                                                          |                      |                                                       |
| x.xxx ± 0.10             |                | APPROVED BY:                                                                          |                      | USB TYPE C 24PIN防水沉板CH0.7带耳舌片外露                       |
| x.xx ± 0.20              |                | Jacky                                                                                 |                      |                                                       |
| x.x ± 0.35               |                |  |                      | UNIT<br>mm                                            |
| ANGULAR ± --°            |                |                                                                                       |                      |                                                       |
|                          |                |                                                                                       |                      | SCALE<br>1:1                                          |
|                          |                |                                                                                       |                      | SHEET NO.<br>1 OF 2                                   |
|                          |                |                                                                                       |                      | DWG.NO.<br>CF246-24-C3                                |

10  
9  
8  
7  
6  
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4  
3  
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1

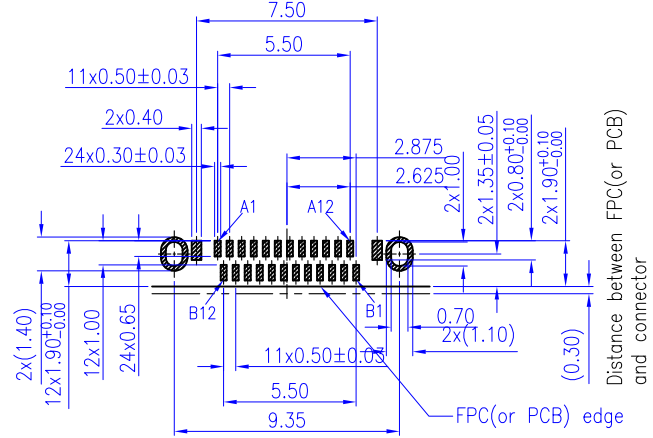
RoHS  
Compliant

Pb

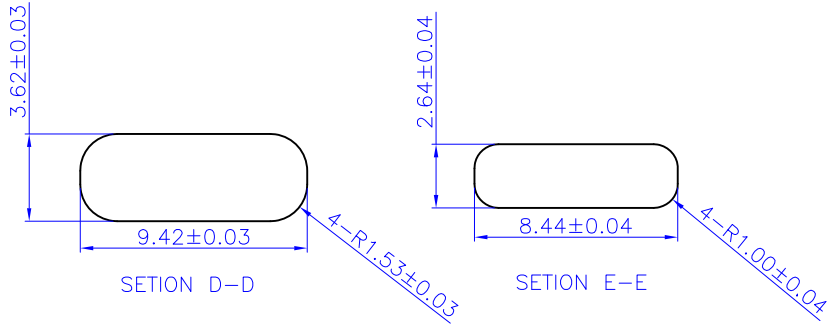
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RECOMMENDED SET  
BODY SIDE HOLE SHAPE



RECOMMENDED PCB LAYOUT  
DEFAULT TOLERANCE:±0.05



|                                       |        |                             |  |                                                      |                        |
|---------------------------------------|--------|-----------------------------|--|------------------------------------------------------|------------------------|
| PART NO.:<br>SEE THE PART NUMBER CODE |        | DRAWN BY:<br>HuangXiaoHao   |  | ZDT 深圳市中科兴达科技有限公司<br>SHENZHEN ZDT TECHNOLOGY CO.,LTD |                        |
| GENERAL TOLERANCES                    |        | CHECKED BY:<br>liuzongliang |  | TITLE                                                |                        |
| x.xxxx                                | ± ---  | APPROVED BY:<br>Jacky       |  | USB TYPE C 24PIN防水沉板CH0.7带耳舌片外露                      |                        |
| x.xxx                                 | ± 0.10 |                             |  |                                                      |                        |
| x.xx                                  | ± 0.25 |                             |  |                                                      |                        |
| x.x                                   | ± 0.30 |                             |  |                                                      |                        |
| ANGULAR                               | ± —°   |                             |  |                                                      |                        |
|                                       |        |                             |  | UNIT<br>mm                                           | SCALE<br>1:1           |
|                                       |        |                             |  | SHEET NO.<br>2 OF 2                                  | DWG.NO.<br>CF246-24-C3 |