

RoHS
Compliant



REV	ECN No.	DATE	REMARK
A	NEW	2023.03.13	NEW RELEASE
B	---	2023.06.20	变更新料号WCF24002-02=>CFW24-010-02
C	---	2023.08.01	增加机壳面板尺寸示意图
D	---	2023.12.28	优化产品结构,改善胶水爬胶不良

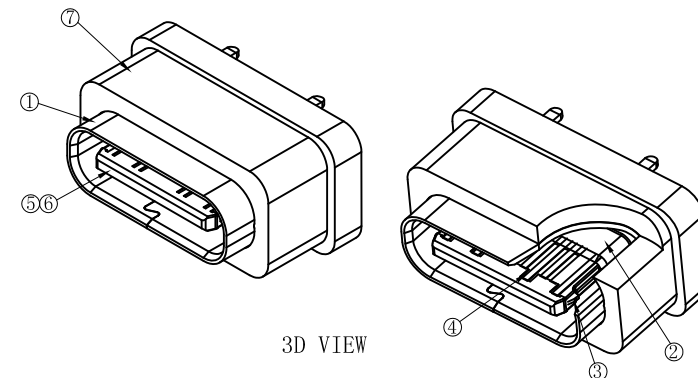
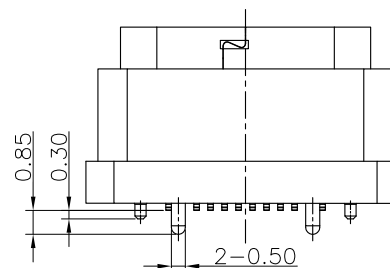
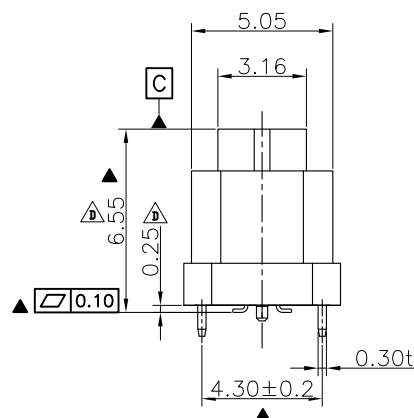
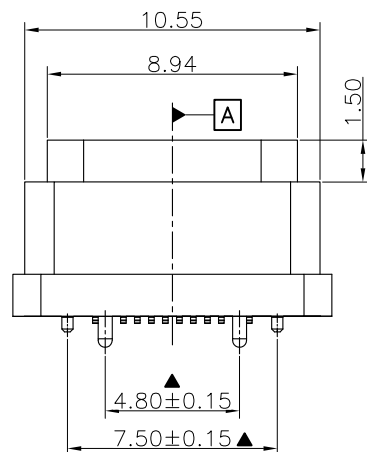
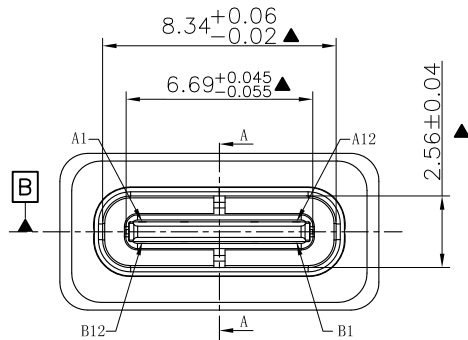


TABLE:

NO	PART	Q'TY	Material			
1	SHELL	1	STAINLESS STEEL 304, NI 30u" MIN PLATED			
2	EMI Plate	1	STAINIESS STEEL 301,NI 30u" MIN PLATED			
3	Mid Plate	1	STAINLESS STEEL 301, NO PLATED			
4	CONTACT	24	COPPER STEEL C18400,CONTACT AREA: Au 3u" Min; SOLDER TAIL: G/F,OVER ALL: 50u" Min NI UNDERPLATED			
5	1MD HOUSING	1	LCP BLACK UL94 V-0			
6	2MD HOUSING	1	LCP BLACK UL94 V-0			
7	PLASTIC SHELL	1	NYLON BLACK UL94 V-0			
8	CAP	1	LCP BLACK UL94 V-0			
9	GLUE	-	SILICONE			
PART NO.:			DRAWN BY:			
SEE THE PART NUMBER CODE			HuangXiaoHao			
GENERAL TOLERANCES			CHECKED BY:			
x.xxxx	±	---	liuzongliang			
x.xxx	±	0.15	APPROVED BY:			
x.xx	±	0.20				
x.x	±	0.30				
ANGULAR	±	---				
			UNIT	SCALE	SHEET NO.	DWG.NO.
			mm	1:1	1 OF 3	CFW24-010-02

ZDT 深圳市中科兴达科技有限公司
SHENZHEN ZDT TECHNOLOGY CO.,LTD

TITLE
USB TYPE-C RECEPTACLE 24PIN
VERTICALH=6.5 WATERPROOF(02)

frame size: A4

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NOTE:

- 1.ELECTRICAL PERFORMANCE,
1-1. CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.
1-2. VOLTAGE RATING:20V DC/AC (RMS. MAX)
1-3. LLCR:.

VBUS & GND PINS AND OTHER PINS: 40MΩ/PIN MAX.
SHIELD:50MΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10MΩ.

- 1-4.INSULATION RESISTANCE: 100MΩ MIN
1-5.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

- 2.MECHANICAL PERFORMANCE,
2-1.INSERTION FORCE: 5~20N.
2-2.EXTRACTION FORCE: 8~20N.
2-3.DURABILITY: 10000 CYCLES.

- 3.ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.

- 4.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

- 5.COMPLIANCE WITH ROHS REQUIREMENTS.

- 6.SALT SPRAY:48H

7. With" ▲ " for the key control size

- 8.PART NUMBER CODE:

CF W 24 - 010 S C B 12 XX - 02
(1)(2) (3)(4)(5)

- (1) Product type:
W:WATERPROOF

- (2) Pin No.:
24:24Pin

- (3) HOUSING COLOR:
B:BLACK

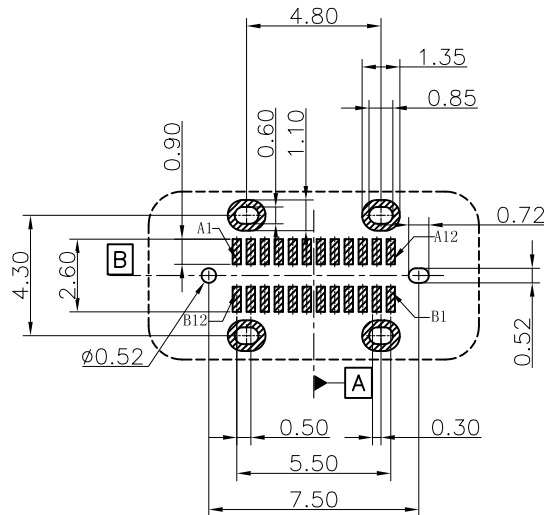
- (4) CONTACTS PLATED:
12:Contact Area: Au 3u"
Solder Tails:GF

- (5) PACKING OPTIONS
R:TAPE & REEL
VR:TAPE & REEL+VACUUM PACKAGING

PIN DEFINITION:

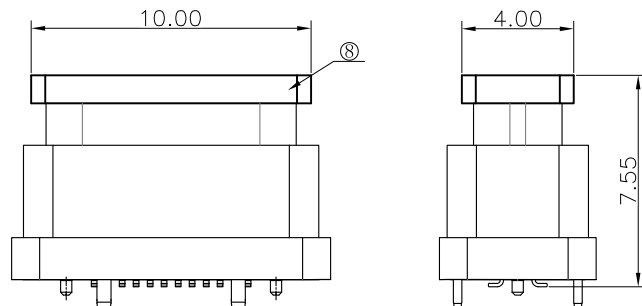
PIN No.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
SIGNAL NAME	GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
PIN No.	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
SIGNAL NAME	GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND

PART NO.: SEE THE PART NUMBER CODE	DRAWN BY: HuangXiaoHao	ZDT 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO.,LTD	
GENERAL TOLERANCES	CHECKED BY: liuzongliang	TITLE USB TYPE-C RECEPTACLE 24PIN VERTICALH=6.5 WATERPROOF(02)	
x.xxxx	± ---	APPROVED BY: Jacky	
x.xxx	± 0.15		
x.xx	± 0.20		
x.x	± 0.30		
ANGULAR	± --°		
		UNIT mm	SCALE 1:1
		SHEET NO. 2 OF 3	DWG.NO. CFW24-010-02



RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ±0.05

CAP尺寸图

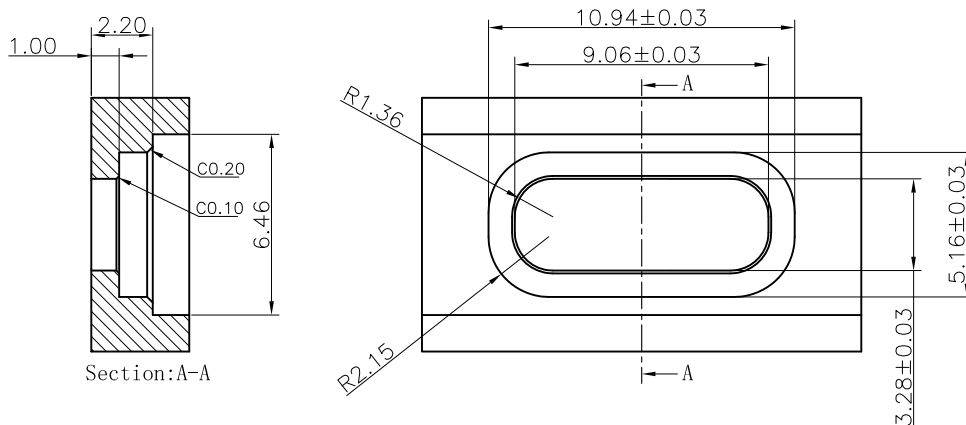


frame size: A4

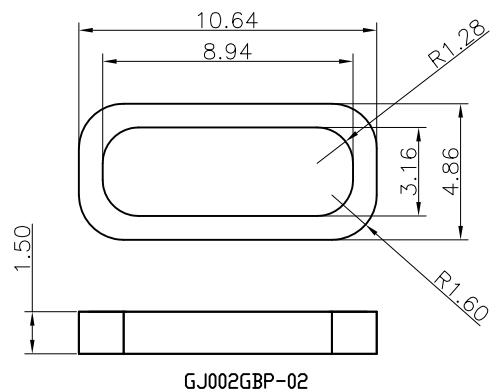
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机壳开孔尺寸图
SIZE DRAWING OF OPENING HOLE OF HOUSING



防水圈尺寸图
DIMENSION DIAGRAM OF WATERPROOF RING



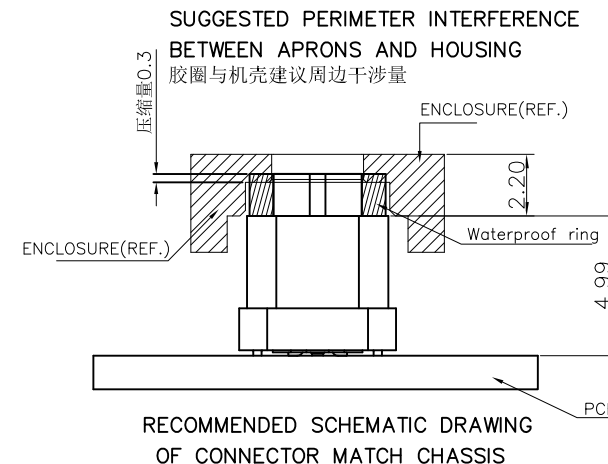
备注:

1. 材质: 硅胶黑色无卤, 耐高温270度, 硬度60+/-5 UL94V-2
2. 不可缺胶, 变形, 毛边, 脏污。

NOTES:

1. MATERIAL: SILICA GEL SI70A BLACK HALOGEN-FREE, HIGH TEMPERATURE RESISTANCE 270 DEGREES, HARDNESS 60 +/-5 UL94V-2
2. INDISPENSABLE GLUE, DEFORMATION, BURRS, DIRT.

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x.xxx	± 0.15				
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				SHEET NO. 3 OF 3	DWG.NO. CFW24-010-02

frame size: A4