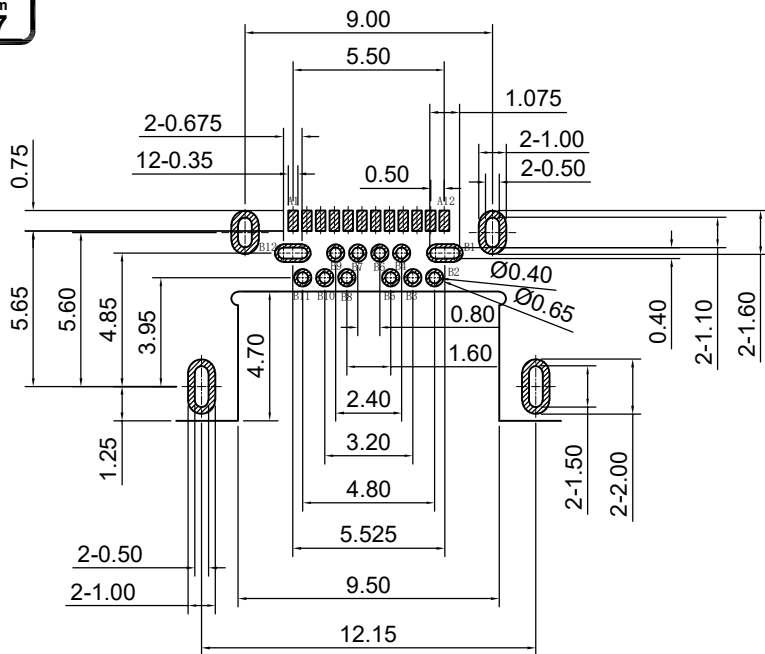
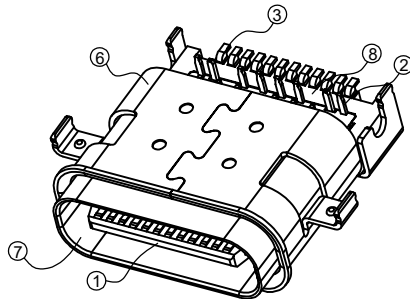




RECOMMENDED P.C.B LAYOUT(Both sides are sample)
TOLERANCE:±0.05,THICKNESS=0.60MM

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	ECN No.	DATE	REMARK
C	---	2024.04.16	整理图纸
D	ECR250220-003	2025.02.20	端子脚距变更公差: 3.95+/-0.10=>3.95+/-0.15 4.85+/-0.10=>4.85+/-0.15 5.60+/-0.10=>5.60+/-0.15 6.30+/-0.10=>6.30+/-0.15

SPECIFICATIONS:

1.ELECTRICAL PERFORMANCE,
1-1. CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GNDPINS;
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: -40°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 &HF REQUIREMENTS.
6.SALT SPRAY:48H
7.WATERPROOF LEVEL:IPX7 1.0M@30MINUTES.
8.TID NO.:10992

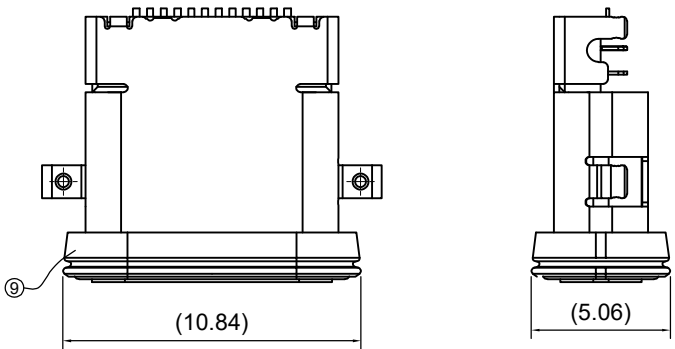
Ordering Information:
CF053-24S L $\frac{B}{1} \frac{XX}{2} \frac{R}{3} \frac{X}{3}$ - A - A4

- 1.HOUSING COLOR:
B=BLACK
2.CONTACTS PLATED:
12=Contact Area: Au 3u",Solder Tails:GF
14=Contact Area: Au 15u",Solder Tails:GF
3. Waterproof Ring:
(BLANK空) =Do not assemble the waterproof ring,
attach the waterproof ring separately.
(不组装防水圈另单独附防水圈)
1=Assemble waterproof ring (组装防水圈)

GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY: Date: HuangXiaoHao 2025.02.20		ZDT 深圳市中兴兴达科技有限公司 Shenzhen Zhongke Xingda Technological Co.,Ltd.	
X.XXX	±0.10	CHECKED BY: Date: liuzongliang 2025.02.20		TITLE USB TYPE-C FEMALE 24PIN WATERPROOF MID-MOUNT 1.40mm CL=0.30 DIP TYPE	
X.XX	±0.25	APPROVED BY: Date: Jacky 2025.02.20		PART NO. SEE THE PART NUMBER CODE	DWG NO. CF053-24SLB14R1-A-A4
X.X	±0.30	THIRD ANGLE PROJECTION		UNIT mm	SCALE 1:1
ANGULAR	±3°	DRAWING A4		SHEET NO. 2 OF 5	REV. D

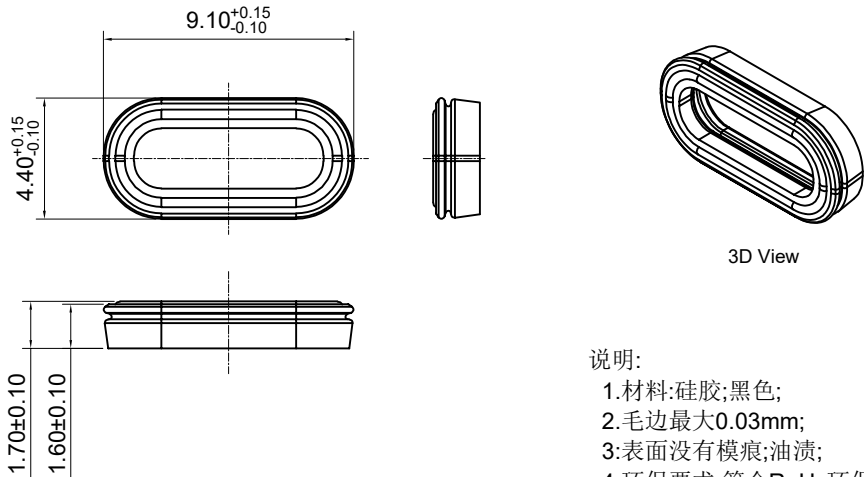


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组装防水圈示意图(客户上板后再组装)

防水圈尺寸图

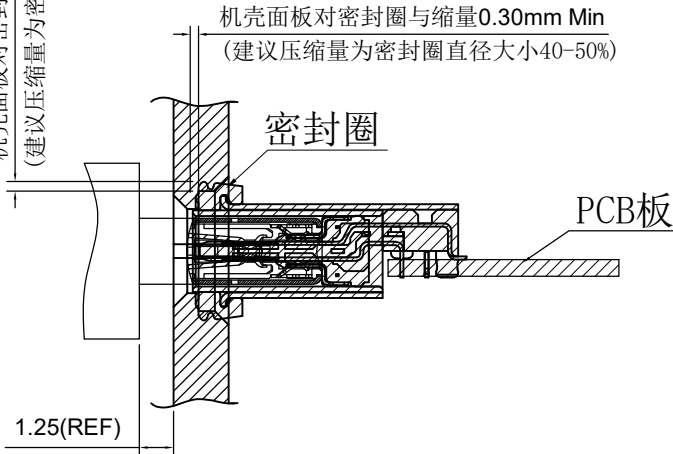


- 说明:
- 1.材料:硅胶;黑色;
 - 2.毛边最大0.03mm;
 - 3.表面没有模痕;油渍;
 - 4.环保要求:符合RoHs环保要求.

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X.XXX	±0.10	CHECKED BY: liuzongliang		Date: 2025.02.20		TITLE USB TYPE-C FEMALE 24PIN WATERPROOF MID-MOUNT 1.40mm CL=0.30 DIP TYPE		
X.XX	±0.25	APPROVED BY: Jacky		Date: 2025.02.20		PART NO. SEE THE PART NUMBER CODE		
X.X	±0.30					DWG NO. CF053-24SLB14R1-A-A4		
ANGULAR ±3°		THIRD ANGLE PROJECTION 		UNIT mm	SCALE 1:1	DRAWING A4	SHEET NO. 3 OF 5	REV. D

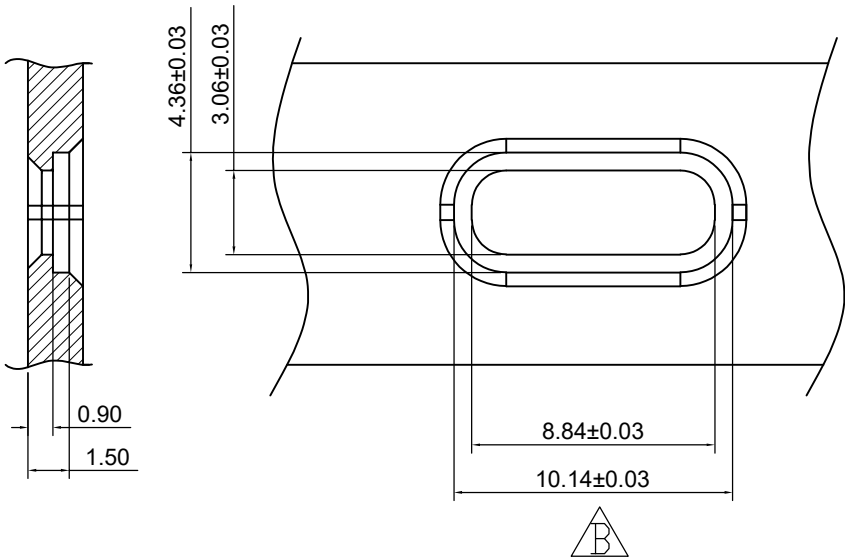


机壳面板对密封圈与缩量0.35mm Min
(建议压缩量为密封圈直径大小40-50%)

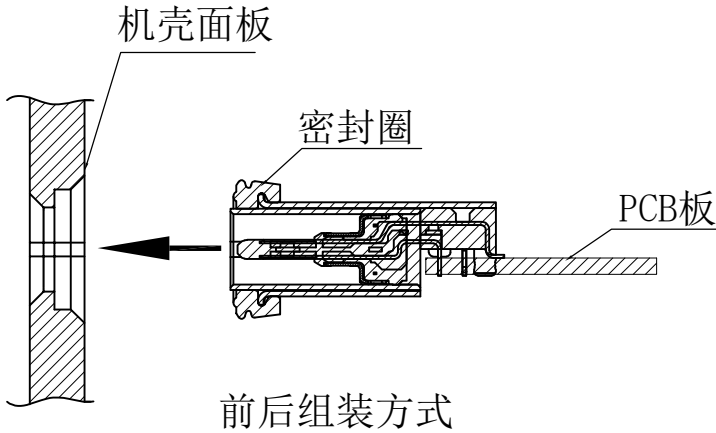


组装面板后公母头对插示意图

建议机壳开孔尺寸

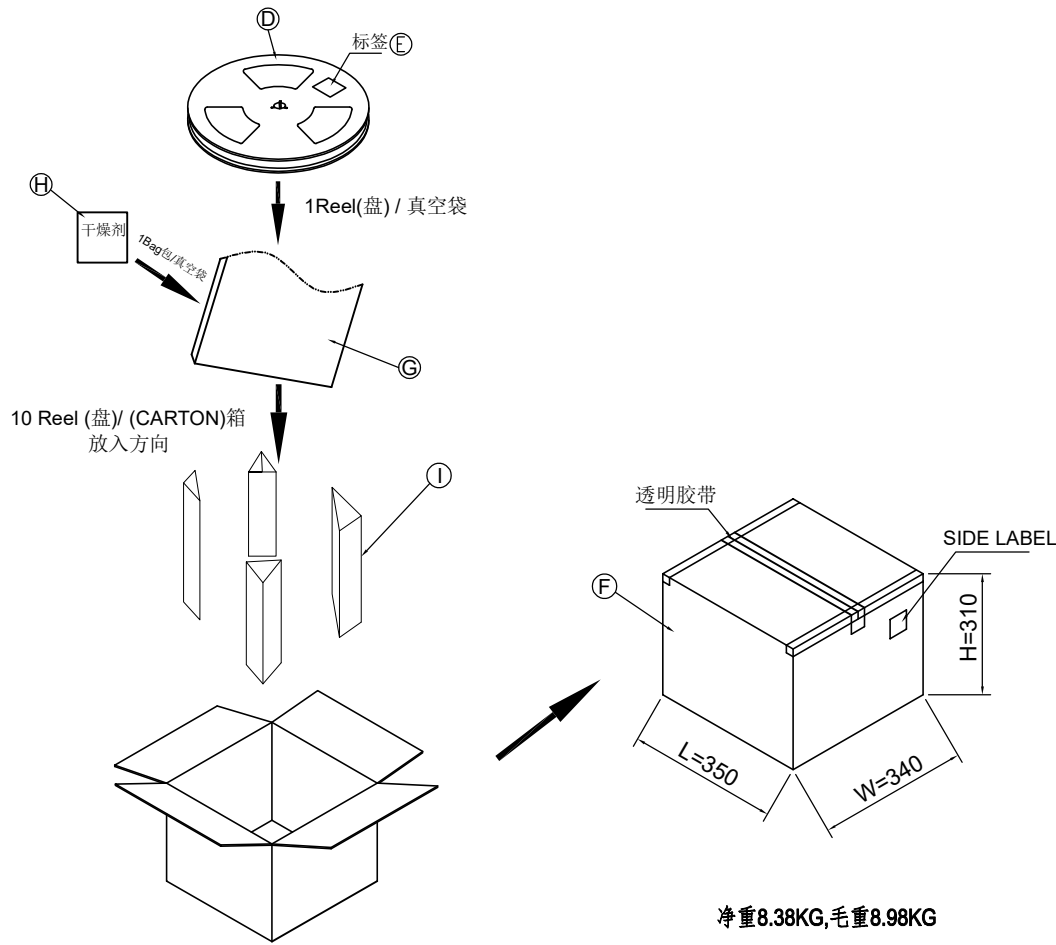
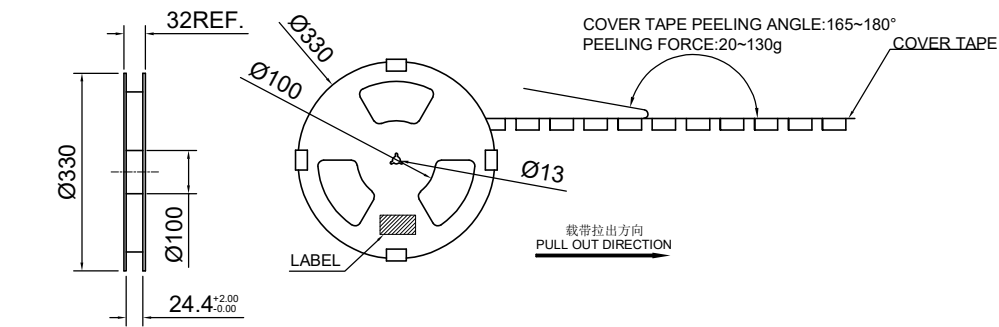
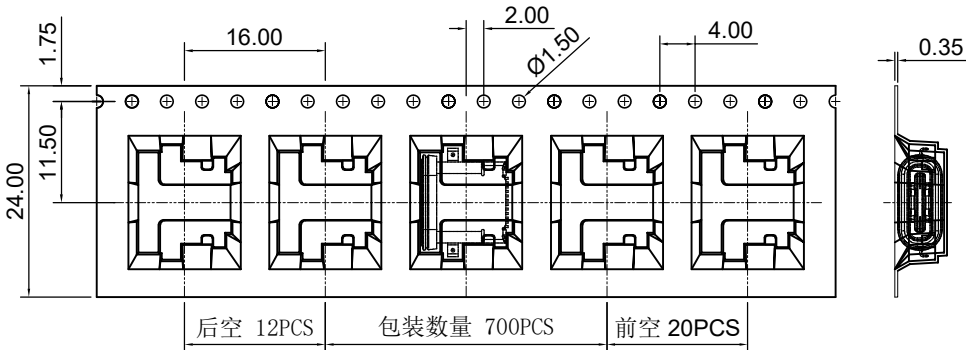


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		CHECKED BY: Date: liuzongliang 2025.02.20		TITLE USB TYPE-C FEMALE 24PIN WATERPROOF MID-MOUNT 1.40mm CL=0.30 DIP TYPE	
X.XXX	±0.10	APPROVED BY: Date: Jacky 2025.02.20		PART NO. SEE THE PART NUMBER CODE	
X.XX	±0.25			DWG NO. CF053-24SLB14R1-A-A4	
X.X	±0.30	THIRD ANGLE PROJECTION		REV.	
ANGULAR	±3°			D	
		UNIT mm	SCALE 1:1	DRAWING A4	SHEET NO. 4 OF 5

REV	ECN No.	DATE	REMARK
C	---	2024.04.16	整理图纸
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I	三角护柱	4	
H	干燥剂	20	
G	真空袋	10	500L*450W
F	纸箱	1	350L*340W*310H
E	标签	10	
D	REEL	10	
C	COVER TAPE	10	21.3m/m (1R/300M)
B	CARRIER TAPE	10	12511(L)*24(W)*0.4(T)
A	Products	7000	U501T24J415ZL2
NO	DESCRIPYION	Q'TA(PCS)	SPEC

包装方式:

第一步: 产品使用包装机器人入包装盘

(1) 首先将包装盘贴上标签

(2) 再将成品按照规定的所示方向摆放于料带中进行包装

(3) 每盘包装数量700PCS成品

第二步: 包装盘入外箱

(1) 将包装完的包装盘每1盘装入1个真空袋中

(2) 每个真空袋中放入2包干燥剂, 并做真空包装处理

(3) 将10个真空袋, 共10盘/7000PCS放入置入外箱

第三步: 外箱封口&贴标签

(1) 先确认外箱里是否有10盘产品

(2) 包装完成后使用透明胶带封口, 贴LABEL于规定的位置

第四步: 储存&运输

(1) 储存在通风, 干燥环境; 搬运时轻拿轻放

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X.XXX	±0.10	CHECKED BY:	Date:	TITLE	
X.XX	±0.25	liuzongliang	2025.02.20	USB TYPE-C FEMALE 24PIN WATERPROOF MID-MOUNT 1.40mm CL=0.30 DIP TYPE	
X.X	±0.30	APPROVED BY:	Date:	PART NO.	DWG NO.
ANGULAR	±3°	Jacky	2025.02.20	SEE THE PART NUMBER CODE	CF053-24SLB14R1-A-A4
THIRD ANGLE PROJECTION	UNIT mm	SCALE 1:1	DRAWING A4	SHEET NO. 5 OF 5	REV. D