

RoHS Compliant



REV	ECN No.	DATE	REMARK
A	NEW	2021.07.25	NEW RELEASE

NOTES:

- MATERIAL: SEE "TABLE 1";
- FINISH: SEE "TABLE 1";
- ELECTRICAL :
  - CONTACT CURRENT RATING :
    - 5A(VBUS PIN 1.5A/PIN),
    - 5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).
  - INSULATION RESISTANCE :
    - 100 MEGAOHMS MIN. AT 100VDC.
  - DIELECTRIC WITHSTANDING VOLTAGE :
    - 100VAC MIN.
  - LOW LEVEL CONTACT RESISTANCE :
    - INITIAL 40mΩ MAX.
    - AFTER 50mΩ MAX.
- MECHANICAL CHARACTERISTICS :
  - MATING FORCE: 5~20N;
  - UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 10000 CYCLES);
  - DURABILITY : 10,000 MATING CYCLES.
  - OPERATING TEMPERATURE : -40°C TO +80°C
- 符合HF无卤要求

6.PART NUMBER CODE:

CF053-24S L B XX R X - A - A4

(1)(2) (3)

(1) HOUSING COLOR:

B=BLACK

(2) CONTACTS PLATED:

14=接触镀金15u"焊接区域镀金1u"

(3) 防水圈型态:

无此码=不组装防水圈,  
另单独附防水圈

1=组装防水圈

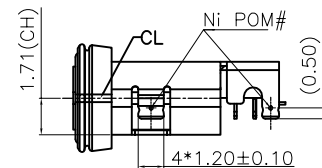
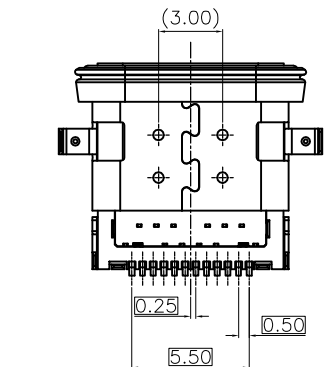
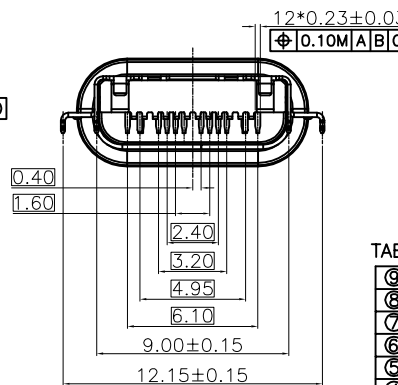
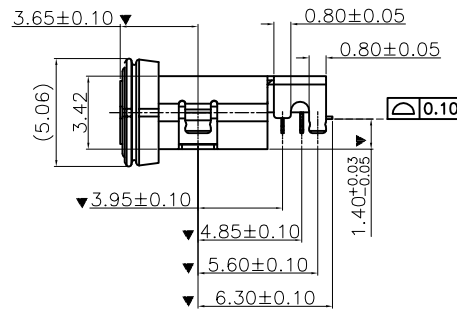
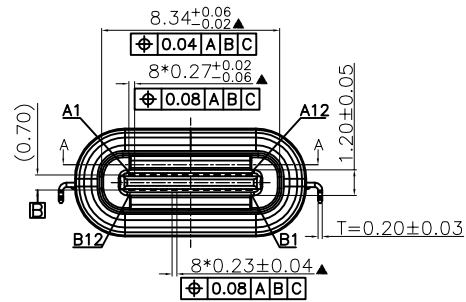
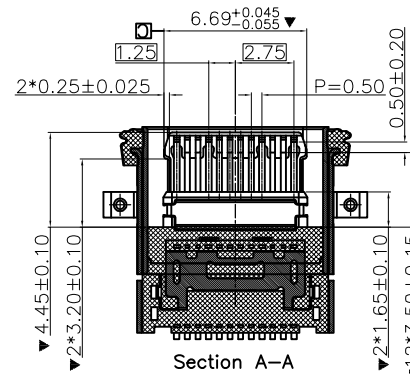
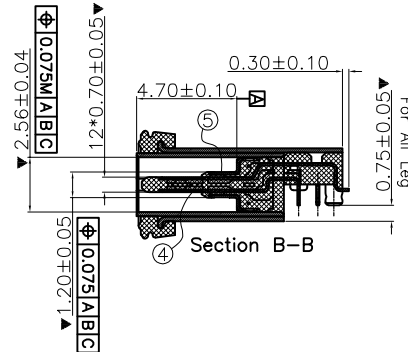
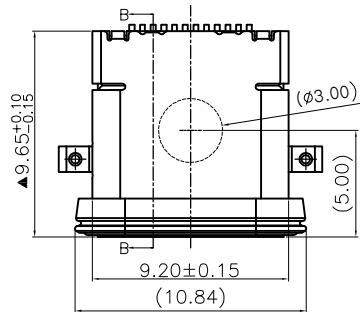


TABLE 1:

NO	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK
①	Waterproof Ring	1	硅胶	BLACK;	
②	GLUE WATER	1	EPOXY	BLACK;	
③	Shell-2	1	Stainless steel SUS304	50u"Ni Min.	T=0.20mm
④	Shell-1	1	Stainless steel SUS304	50u"Ni Min.	T=0.20mm
⑤	GND PLATE	1	Stainless steel SUS301	No Plating	T=0.10mm
⑥	MID PLATE	1	Stainless steel SUS301		T=0.15mm
⑦	Terminal-B	12	铜镍硅合金 C18400	Au/50u"Ni Min.	T=0.12mm
⑧	Terminal-A	12	铜镍硅合金 C18400	Au/50u"Ni Min.	T=0.12mm
⑨	Housing	1	HIGH TEMP PART	Black	

PART NO.:  
SEE THE PART NUMBER CODE

GOLDCONN TECHNOLOGIES COMPANY LIMITED

DRAWN BY: SAM  
DATE: 2021.07.25

QUALITY SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	x.xxxx	± ---
	x.xxx	± 0.10
	x.xx	± 0.25
	x.x	± 0.30
ANGULAR	± ---°	

TITLE: USB TYPE CF WATERPROOF  
CL=0.30 沉板1.40mm DIP TYPE

CHECKED BY: JAY  
DATE: 2021.07.25

DWG.NO.: CF053-24-A4

SHEET NO.: 1 OF 3

APPROVED BY: JACKY  
DATE: 2021.07.25

DIMENSION STYLE: MM ONLY  
DESIGN UNITS: METRIC

SCALE: 1:1

THIRD ANGLE PROJECTION

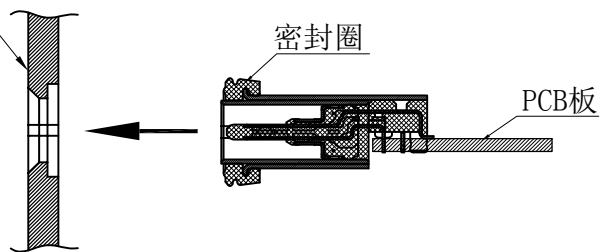
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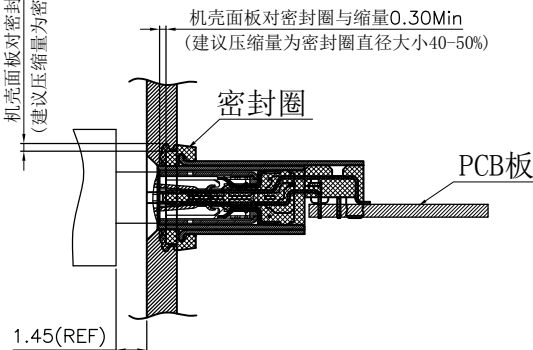
## 建议密封方式

机壳面板



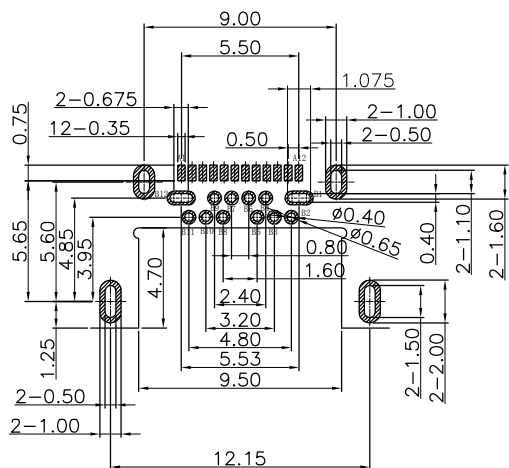
前后组装方式

机壳面板对密封圈与缩量0.36Min  
(建议压缩量为密封圈直径大小40-50%)

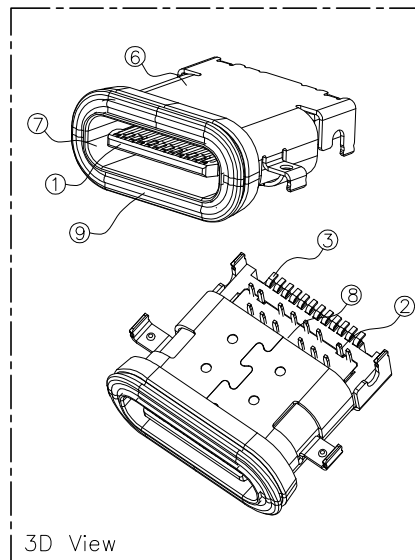


组装面板后公母头对插示意图

## CUSTOMER DRAWING



RECOMMENDED P.C.B LAYOUT(Both sides are sample)  
Tolerance:±0.05,Thickness=0.60mm



3D View

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	V <sub>BUS</sub>	First	B9	V <sub>BUS</sub>	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V <sub>BUS</sub>	First	B4	V <sub>BUS</sub>	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND

PART NO.:  
SEE THE PART NUMBER CODE

GOLDCONN TECHNOLOGIES COMPANY LIMITED

DRAWN BY: SAM  
DATE: 2021.07.25

QUALITY SYMBOL:

GENERAL TOLERANCES (UNLESS SPECIFIED)

x.xxxx	±	---
x.xxx	±	0.10
x.xx	±	0.25
x.x	±	0.30
ANGULAR	±	---

TITLE: USB TYPE CF WATERPROOF  
CL=0.30 沉板1.40mm DIP TYPE

DWG.NO.: CF053-24-A4

SHEET NO.: 2 OF 3

DIMENSION STYLE: MM ONLY

DESIGN UNITS: METRIC

SCALE: 1:1

CHECKED BY: JAY  
DATE: 2021.07.25

APPROVED BY: JACKY  
DATE: 2021.07.25



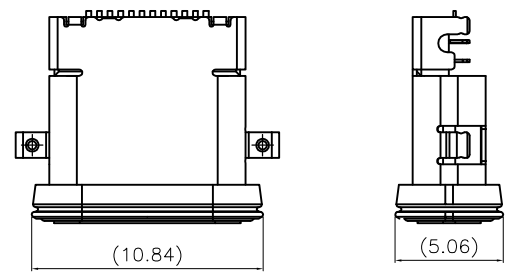
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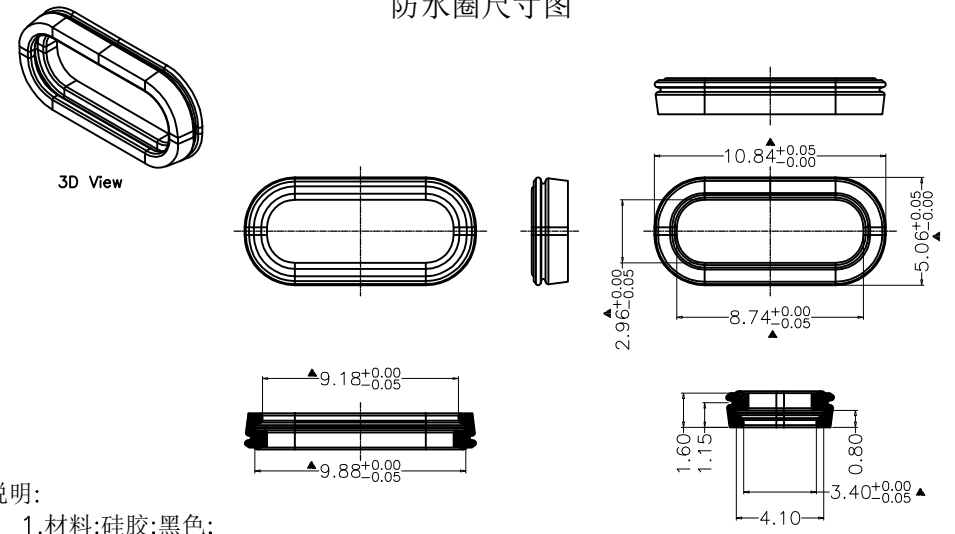


组装防水圈款示意图

料号:CF053-24S L B XX R 1-A-01



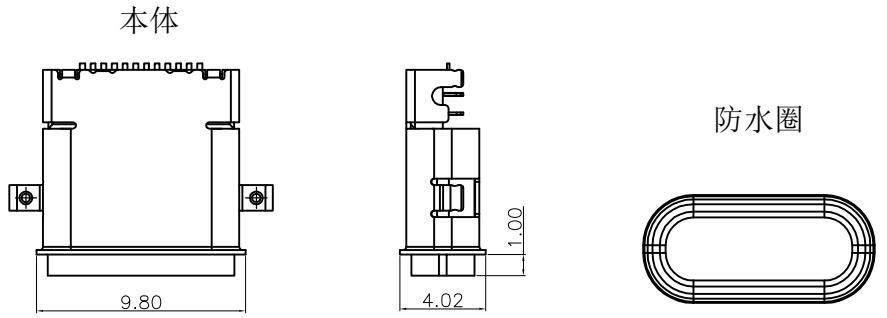
防水圈尺寸图



- 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.

不组装防水圈款示意图

料号: CF053-24S L B XX R -A -01



QUALITY SYMBOL 0 ∇= 0	PART NO.: SEE THE PART NUMBER CODE		GOLDCONN TECHNOLOGIES COMPANY LIMITED		DRAWN BY SAM	DATE 2021.07.25
	GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE USB TYPE CF WATERPROOF CL=0.30 沉板1.40mm DIP TYPE		CHECKED BY JAY	DATE 2021.07.25
					APPROVED BY JACKY	
	x.xxxx	± ---	DWG.NO. CF053-24-A4	SHEET NO. 3 OF 3	THIRD ANGLE PROJECTION	
x.xxx	± 0.10					
x.xx	± 0.25					
x.x	± 0.30					
ANGULAR	± ---°	DIMENSION STYLE MM ONLY	DESIGN UNITS METRIC	SCALE 1:1		