

RoHS
Compliant



THIS DRAWING CONTAINS INFORMATION THAT IS
PROPRIETARY TO ZDT TECHNOLOGY. AND SHOULD
NOT BE USED WITHOUT WRITTEN PERMISSION



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

5. 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:

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

PART NO.:
SEE THE PART NUMBER CODE

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

DRAWN BY
SAM

DATE
2021.07.25

QUALITY SYMBOL
= 0 ∇ = 0

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

DESIGN UNITS
METRIC

SHEET NO.
1 OF 3

SCALE
1:1

CHECKED BY
JAY

DATE
2021.07.25

APPROVED BY
JACKY

DATE
2021.07.25

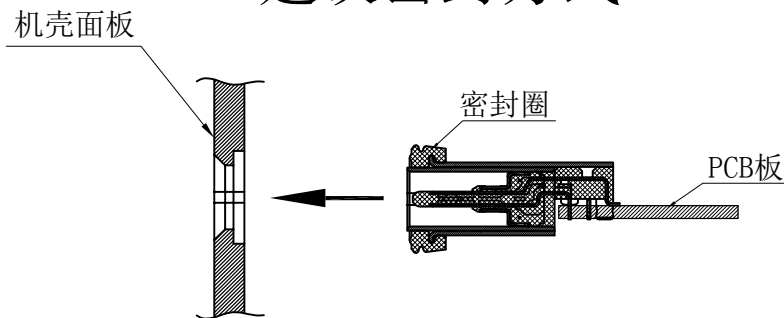
THIRD ANGLE
PROJECTION

frame size: A4

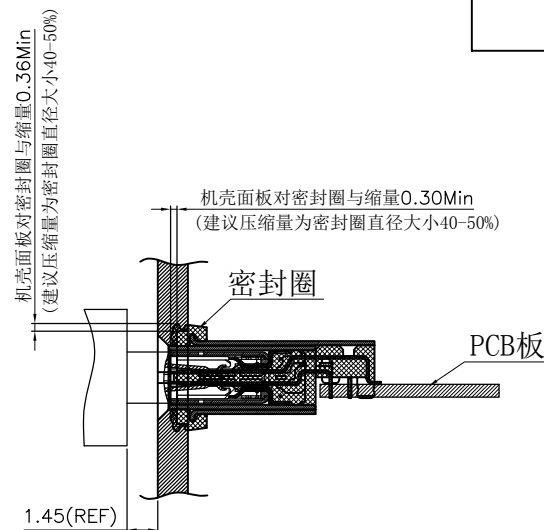


4	3	2	1
REV	ECN No.	DATE	REMARK
A	NEW	2021.07.25	NEW RELEASE

建议密封方式

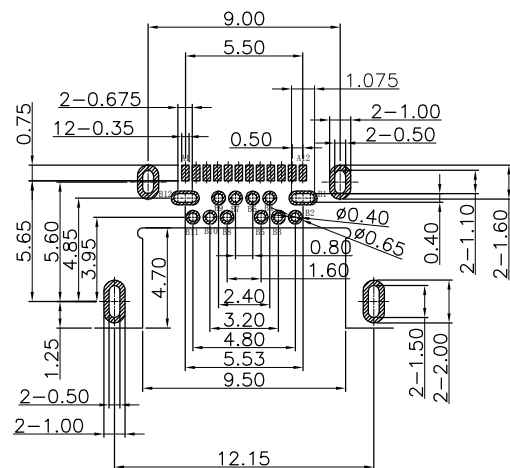


前后组装方式

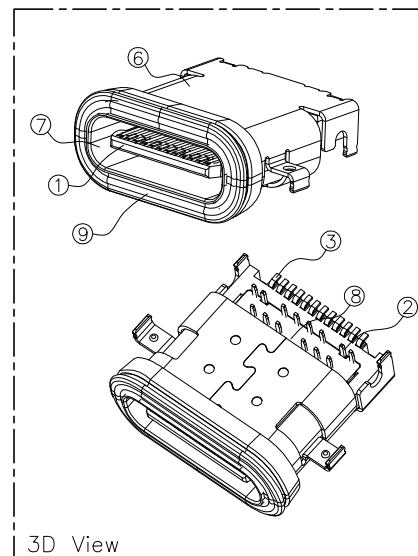


组装面板后公母头对插示意图

CUSTOMER DRAWING

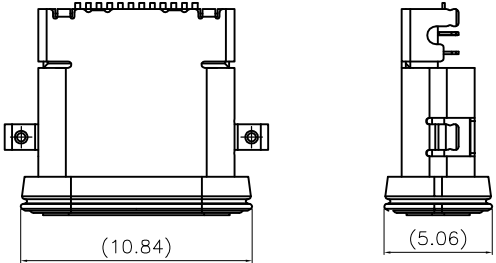
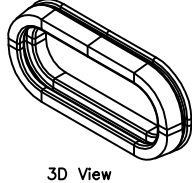
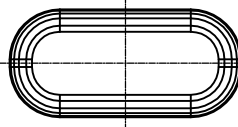
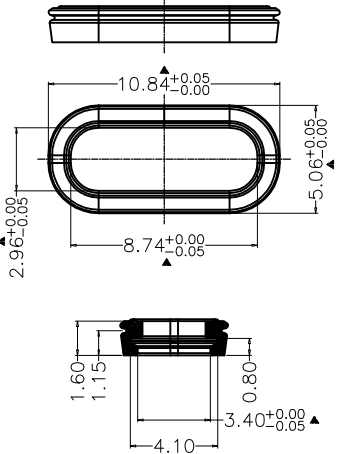
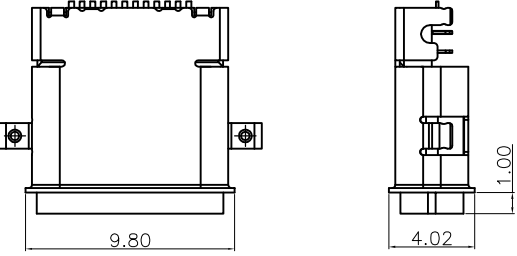
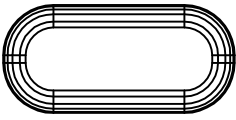
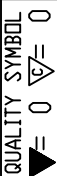
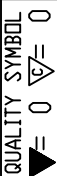
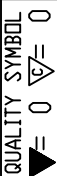


RECOMMENDED P.C.B LAYOUT(Both sides are sample)
Tolerance:±0.05,Thickness=0.60mm



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 _{BUS}	First	B9	V _{BUS}	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 _{BUS}	First	B4	V _{BUS}	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			 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO.,LTD			DRAWN BY SAM		DATE 2021.07.25			
QUALITY SYMBOL     	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		
	X.XXXX						± ---		DWG.NO. CF053-24-A4		SHEET NO. 2 OF 3
	X.XXX		± 0.10								
	X.XX		± 0.25								
	X.X		± 0.30								
	ANGULAR		± ---		DIMENSION STYLE MM ONLY		DESIGN UNITS METRIC		SCALE 1:1		 THIRD ANGLE PROJECTION

10		9		8		7		6		5		4		3		2		1																																																																															
RoHS Compliant  THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO ZDT TECHNOLOGY. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												REV		ECN No.		DATE		REMARK																																																																															
												A		NEW		2021.07.25		NEW RELEASE																																																																															
																																																																																																	
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																																																																																					
												 3D View   																																																																																					
不组装防水圈款示意图 料号: CF053-24S L B XX R -A-01												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.																																																																																					
 本体  防水圈												<table><tr><td colspan="2">PART NO.:</td><td colspan="2"> 深圳市中科兴达科技有限公司</td><td colspan="2">DRAWN BY</td><td colspan="2">DATE</td></tr><tr><td colspan="2">SEE THE PART NUMBER CODE</td><td colspan="2">SHENZHEN ZDT TECHNOLOGY CO.,LTD</td><td colspan="2">SAM</td><td colspan="2">2021.07.25</td></tr><tr><td rowspan="5">QUALITY SYMBOL</td><td rowspan="5"></td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="4">TITLE</td></tr><tr><td colspan="2">X.XXXX</td><td colspan="2">± ---</td><td colspan="2">USB TYPE CF WATERPROOF</td></tr><tr><td colspan="2">X.XXX</td><td colspan="2">± 0.10</td><td colspan="2">CL=0.30 沉板1.40mm DIP TYPE</td></tr><tr><td colspan="2">X.XX</td><td colspan="2">± 0.25</td><td colspan="2">DWG.NO.</td></tr><tr><td colspan="2">X.X</td><td colspan="2">± 0.30</td><td colspan="2">CF053-24-A4</td></tr><tr><td colspan="2">ANGULAR</td><td colspan="2">± --°</td><td colspan="2">SHEET NO.</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">3 OF 3</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">SCALE</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">1:1</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">THIRD ANGLE PROJECTION</td></tr></table>								PART NO.:		 深圳市中科兴达科技有限公司		DRAWN BY		DATE		SEE THE PART NUMBER CODE		SHENZHEN ZDT TECHNOLOGY CO.,LTD		SAM		2021.07.25		QUALITY SYMBOL		GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE				X.XXXX		± ---		USB TYPE CF WATERPROOF		X.XXX		± 0.10		CL=0.30 沉板1.40mm DIP TYPE		X.XX		± 0.25		DWG.NO.		X.X		± 0.30		CF053-24-A4		ANGULAR		± --°		SHEET NO.						3 OF 3						SCALE						1:1						THIRD ANGLE PROJECTION	
PART NO.:		 深圳市中科兴达科技有限公司		DRAWN BY		DATE																																																																																											
SEE THE PART NUMBER CODE		SHENZHEN ZDT TECHNOLOGY CO.,LTD		SAM		2021.07.25																																																																																											
QUALITY SYMBOL		GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE																																																																																													
		X.XXXX		± ---		USB TYPE CF WATERPROOF																																																																																											
		X.XXX		± 0.10		CL=0.30 沉板1.40mm DIP TYPE																																																																																											
		X.XX		± 0.25		DWG.NO.																																																																																											
		X.X		± 0.30		CF053-24-A4																																																																																											
ANGULAR		± --°		SHEET NO.																																																																																													
				3 OF 3																																																																																													
				SCALE																																																																																													
				1:1																																																																																													
				THIRD ANGLE PROJECTION																																																																																													
10		9		8		7		6		5		4		3		2		1																																																																															
												frame size: A4																																																																																					