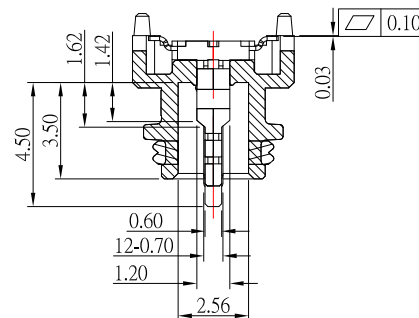
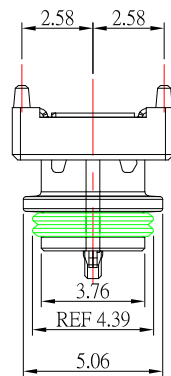
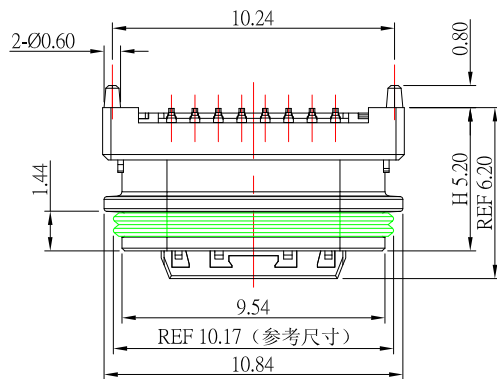
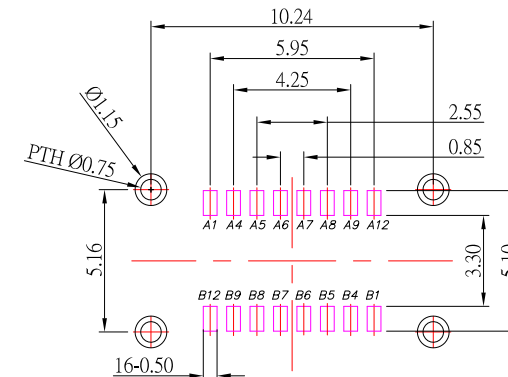




SECTION A-A

IPX8

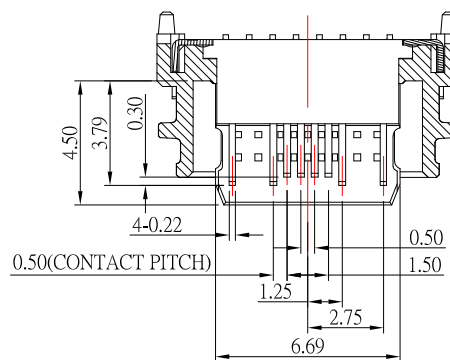
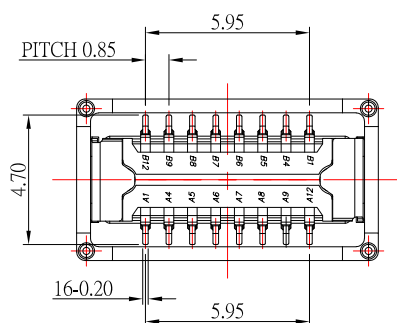
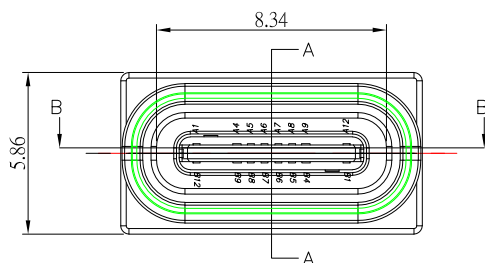


RECOMMENDED PCB LAYOUT

SBC-WP160VS2-20x-S382

鍍層厚度:

Blank : 1u"
2 : 15u"
3 : 30u"



SECTION B-B

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
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
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

SPECIFICATIONS

Electrical:

- Rating: 3.0 A
- Contact Resistance: 40 mΩ Max
- Insulation Resistance: 100 MΩ Min

Mechanical:

- Connector Mate and Unmate Force
 - Mate force: 5~20 N
 - Unmate force: 8~20 N

Material:

- Housing: PA9T
- Contact: C2680
- Shell: SUS

Finish:

- Contact: Plated Gold in Mating Area ;
Tin Plated on Solder Balls ;
Nickel under plated overall
- Shell: Nickel under Plated surface layer

ITEM NO.	DESCRIPTION	DRAWN	DATE
3	更新鍍層	Jack	112525
2	更新圖面	Jack	111523
1	新增O-RING圖	Jack	081122

CONTACT 建倚科技股份有限公司
CONTACT TECHNOLOGY CORP.

TOLERANCE UNLESS OTHERWISE STATED :
Up to 5 ±0.2
Above 5 ~ 15 ±0.3
Above 15 ~ 30 ±0.4
Above 30 ~ 50 ±0.5

3RD. ANGEL'S

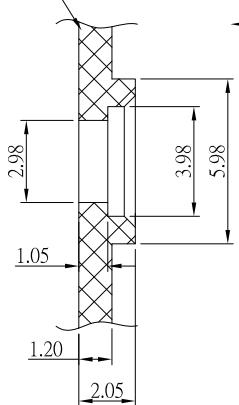
UNITS MM

DRAWN BY:	DATE	MATL	TITLE	CONNECTOR
Jack Lu	11/25/25	FINISH	MODLE	USB C TYPE 180 度 SMT 2.0 Female H5.20防水型
CHECKED BY:	DATE	SCALE	DWG NO.	SBC-WP160VS2-20x-S382
Jacky Chen	11/25/25	1 : 1	PART NO.	SBC-WP160VS2-20x-S382
APPROVED BY:	DATE	SHEET NO.	1 of 2	
Tony Kao	11/25/25			

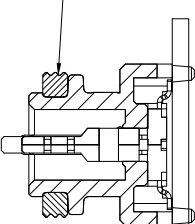
IPX8



机壳面板

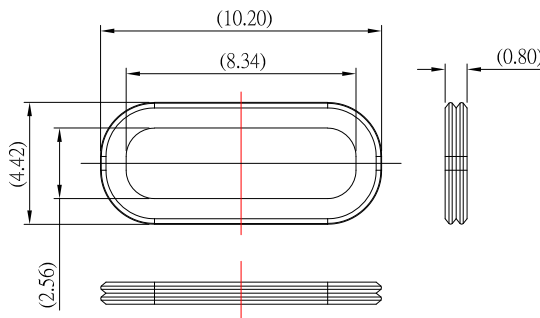


硅胶密封圈



PCB板

组装方式，左右方向装配



P/N:PT-ORING-26-S382

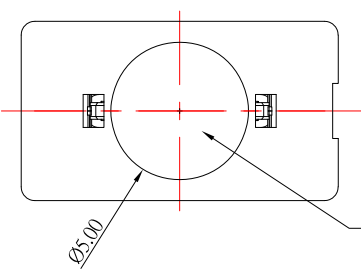
机壳面板与密封圈
建议压缩量50%Min

密封圈

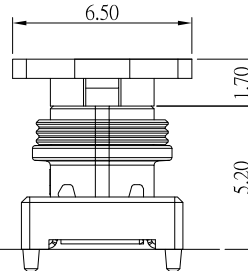
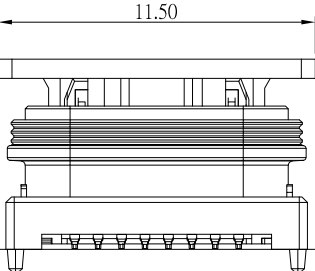
PCB板

2.05Min

组装面板后公母头对插示意图



PICK PLACE AREA



WITH CAP

ITEM NO.	DESCRIPTION	DRAWN	DATE
3	更新鍍層	Jack	112525
2	更新圖面	Jack	111523
1	新增O-RING圖	Jack	081122

建倚科技股份有限公司
CONTACT TECHNOLOGY CORP.

TOLERANCE UNLESS OTHERWISE STATED :

Up to 5	±0.2
Above 5 ~ 15	±0.3
Above 15 ~ 30	±0.4
Above 30 ~ 50	±0.5

3RD. ANGEL'S

UNITS

MM

DRAWN BY:	DATE	MAT'L	TITLE	CONNECTOR
Jack Lu	11/25/25	FINISH	MODLE	USB C TYPE 180 度 SMT 2.0 Female H5.20防水型
CHECKED BY:	DATE	SCALE	DWG NO.	SBC-WP160VS2-20x-S382
Jacky Chen	11/25/25	1 : 1	PART NO.	SBC-WP160VS2-20x-S382
APPROVED BY:	DATE	SHEET NO.	1 of 2	
Tony Kao	11/25/25			