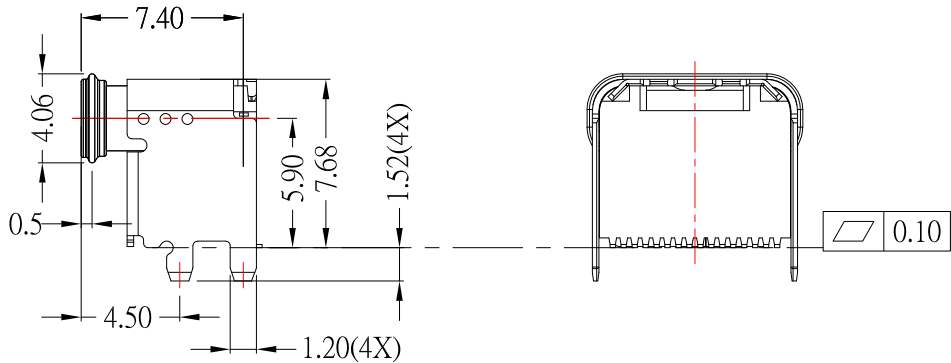
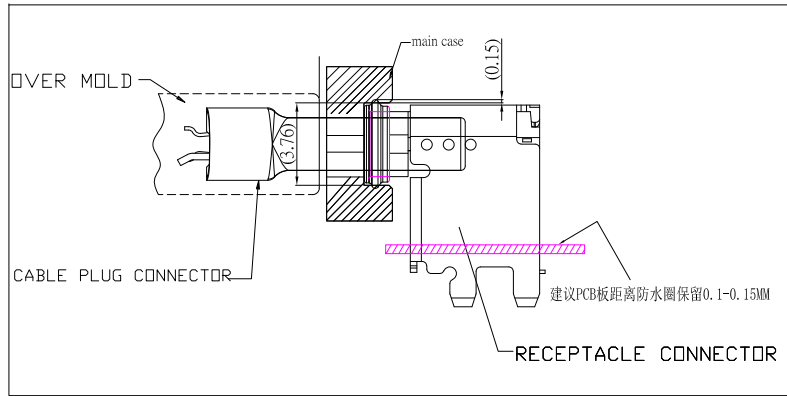
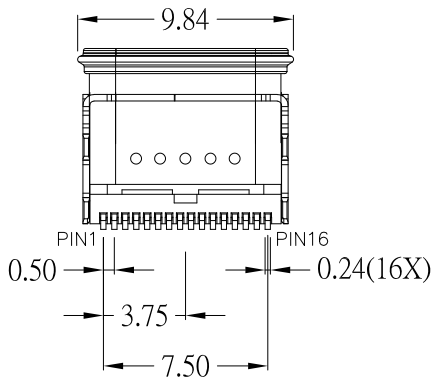
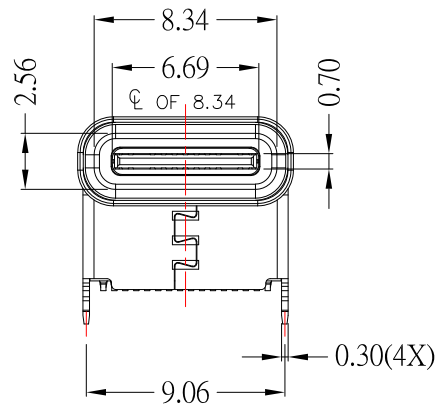
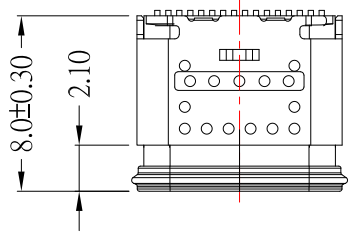
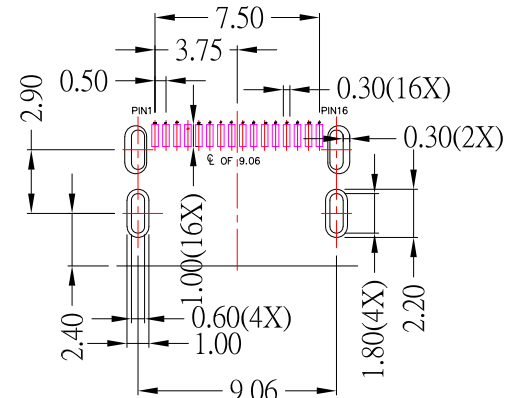




IPX8



PCB LAYOUT

SPECIFICATIONS

Electrical:

- Rating: 5.0 A
- Contact Resistance: 40 mΩ Max
- Insulation Resistance: 1000 MΩ Min
- Dielectric Withstand Voltage: 100V AC

Mechanical:

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

Material:

- Housing: LCP
- Contact: C7025
- Shell: SUS
- O-ring: Silicone

Finish:

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

P/n	Signal	Description	Mating Sequence	Description	Signal	P/n
2	A1	GND	First	Ground return	GND	B12
/	A2	TX1+	Second	/	RX1+	B11
/	A3	TX1-	Second	/	RX1-	B10
4	A4	VBUS	First	Bus Power	VBUS	B9
6	A5	CC1	Second	Configuration Channel	CC2	B8
8	A6	D+	Second	Negative half of the USB 2.0 differential pair-Position 2	D-	B7
9	A7	D-	Second	Positive half of the USB 2.0 differential pair-Position 1	D+	B6
11	A8	SB1	Second	Sideband Use(SBU)	CC2	B5
13	A9	VBUS	First	Bus Power	VBUS	B4
/	A10	RX2-	Second	/	TX2-	B3
/	A11	RX2+	Second	/	TX2+	B2
15	A12	GND	First	Ground return	GND	B1

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
Angle ±0.3

3RD. ANGEL'S

UNITS MM

DRAWN BY:	DATE	MAT'L	TITLE	CONNECTOR
Jack Lu	12/03/25	FINISH	MODLE	USB C TYPE 2.0 Female CH5.90 防水型IP8
CHECKED BY:	DATE	SCALE	DWG NO.	SBC-WP160S10-20-S410
Jacky Chen	12/03/25	1 : 1	PART NO.	SBC-WP160S10-20-S410
APPROVED BY:	DATE	SHEET NO.	1 of 1	
Tony Kao	12/03/25			