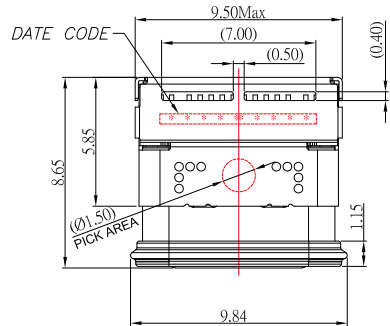
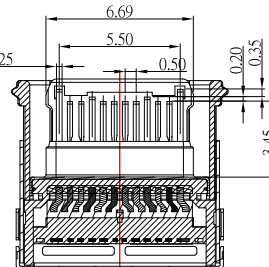
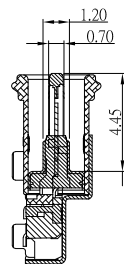
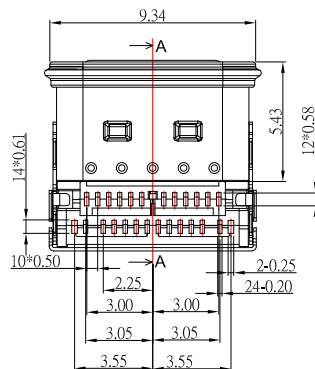
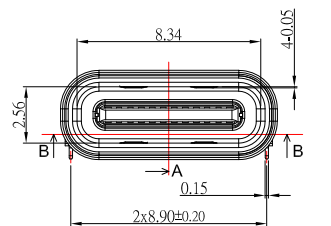




SECTION: A-A



SECTION: B-B

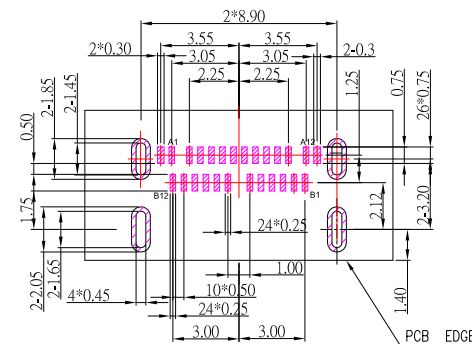


PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTxp1	Positive half of first SuperSpeed TX differential pair	B11	SSRxp1	Negative half of first SuperSpeed RX differential pair
A3	SSTxm1	Negative half of first SuperSpeed TX differential pair	B10	SSRxm1	Positive half of first SuperSpeed RX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	SR12	Sideband Use (SR12)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dm2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SRU1	Sideband Use (SRU1)	B5	CC2	Configuration Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSPx2	Negative half of second SuperSpeed TX differential pair	B3	SSTx2	Positive half of second SuperSpeed TX differential pair
A11	SSRx2	Positive half of second SuperSpeed RX differential pair	B2	SSTx2	Negative half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

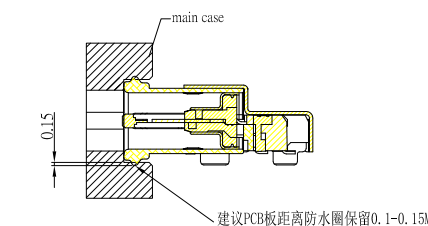
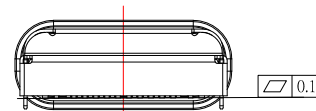
SBC-WP240M11-31x-S410

鍍層厚度:

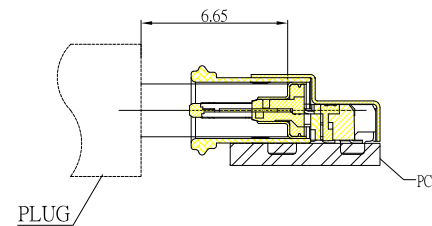
Blank : 1u"
2 : 15u"
3 : 30u"



P.C.B LAYOUT



SECTION A-A
PANEL CUT-OUT REFERENCE



SPECIFICATIONS

Electrical:

1. Rating: 30V , 5.0A
- 2.Contact Resistance: 40 mΩ Max
- 3.Insulation Resistance: 100 MΩ Min
- 4.Dielectric Withstanding Voltage: 100V AC

Mechanical:

- 1.Connector Mate and Unmate Force
 - 1.1 Mate force: 5~20 N
 - 1.2 Unmate force: 8~20 N

Material:

- 1.Housing: PA46
- 2.Contact: C18400
- 3.Shell: SUS

Finish:

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

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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	10/16/25	FINISH	MODLE	USB 3.1 TYPE C WATERPROOF CL=1.50 MID-MOUNT
CHECKED BY:	DATE	SCALE	DWG NO.	SBC-WP240M11-31x-S410
Jacky Chen	10/16/25	1 : 1	PART NO.	SBC-WP240M11-31x-S410
APPROVED BY:	DATE	SHEET NO.	1 of 2	
Tony Kao	10/16/25			