



SBC-240S13Ax-31x-S338

	DIM A	DIM B	DIM C
1	10.0	7.75	6.20
2	8.65	6.40	4.85

鍍層厚度:
Blank : 1u"
2 : 15u"
3 : 30u"

SPECIFICATIONS

Electrical:

- 1.Rating: 3.0 A for VBUS
- 2.VOLTAGE: 20V DC MAX
- 3.Dielectric Withstand Voltage: 100V AC
- 4.Contact Resistance: 40 mΩ Max
- 5.Insulation Resistance: 100 MΩ Min

Mechanical:

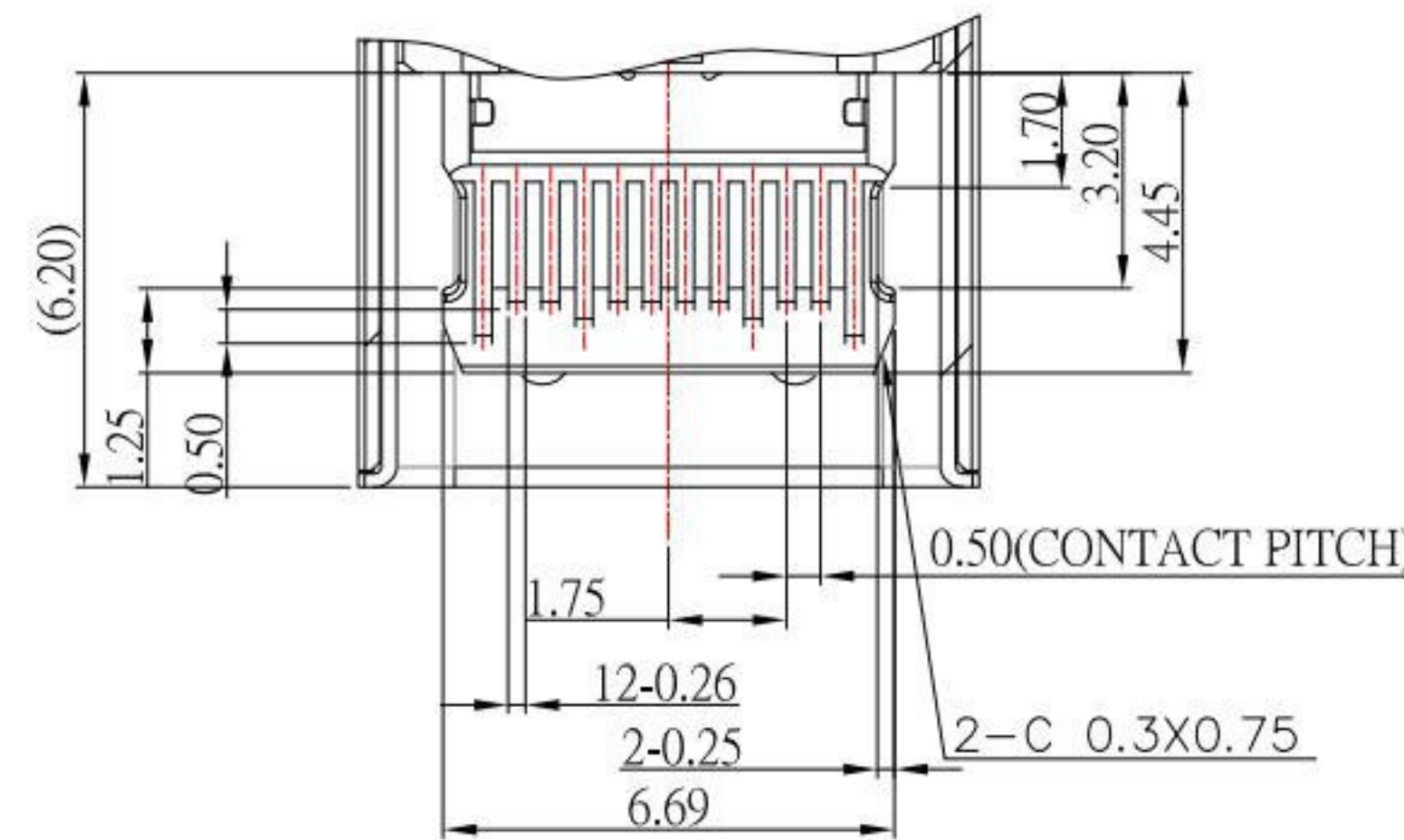
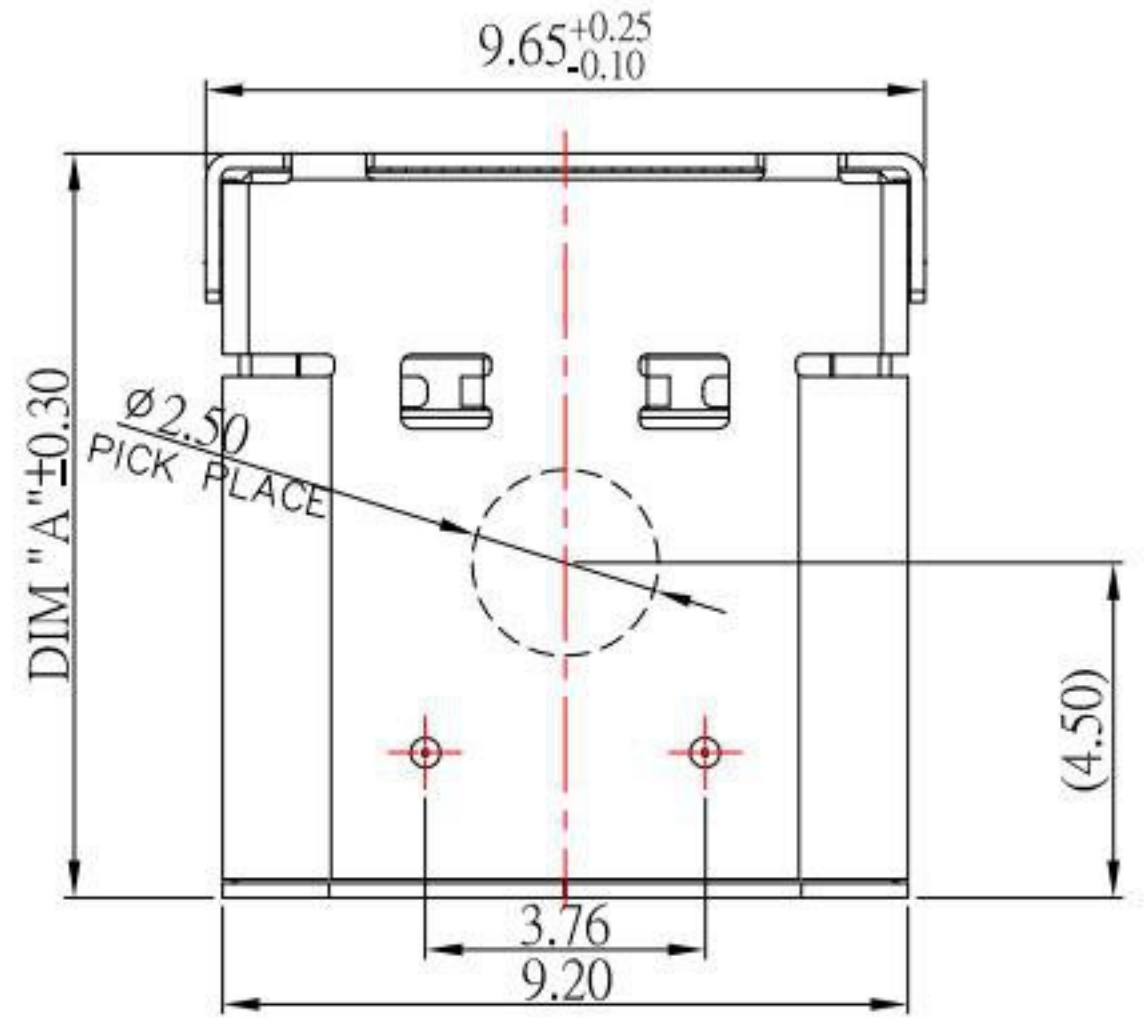
- 1.Connector Mate and Unmate Force
 - 1.1 Mate force: 5~20 N
 - 1.2 Unmate force: 8~20 N

Material:

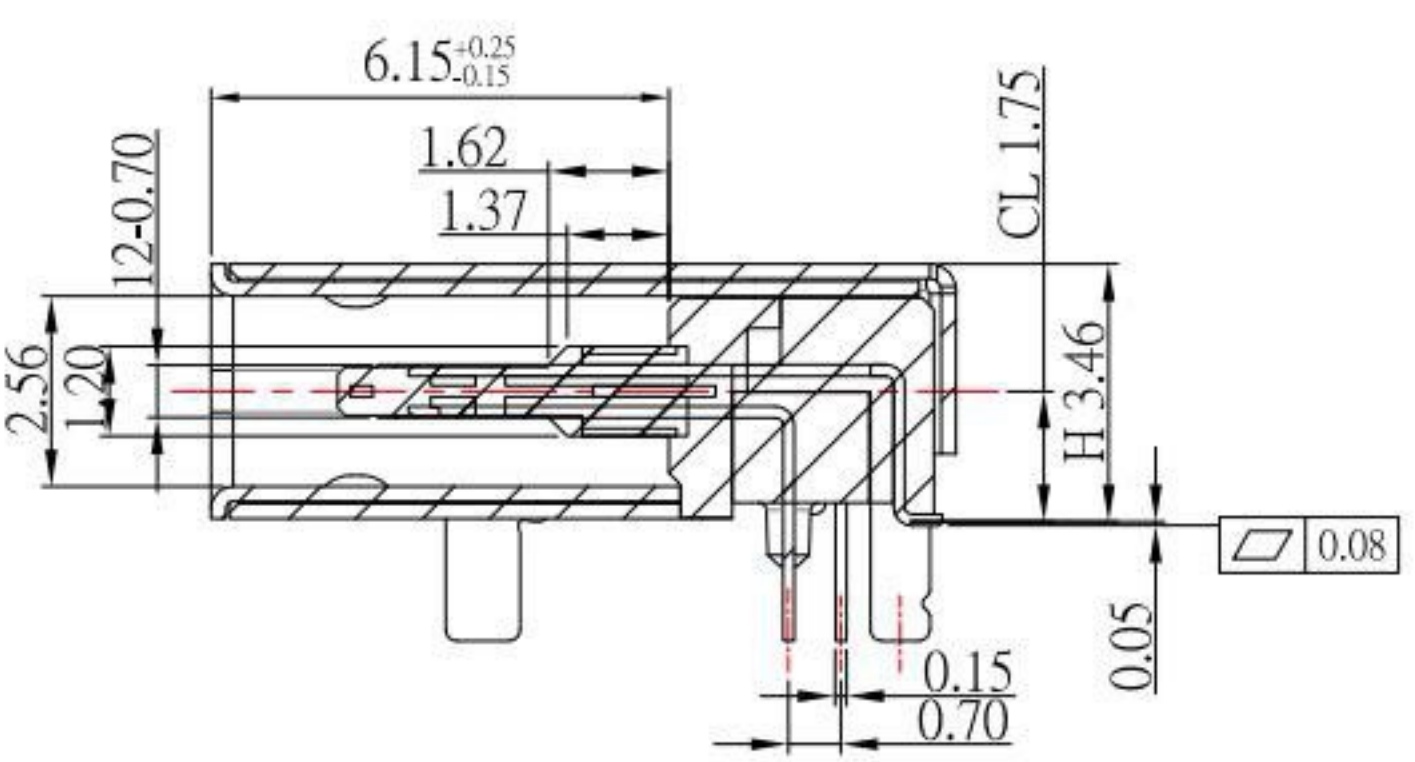
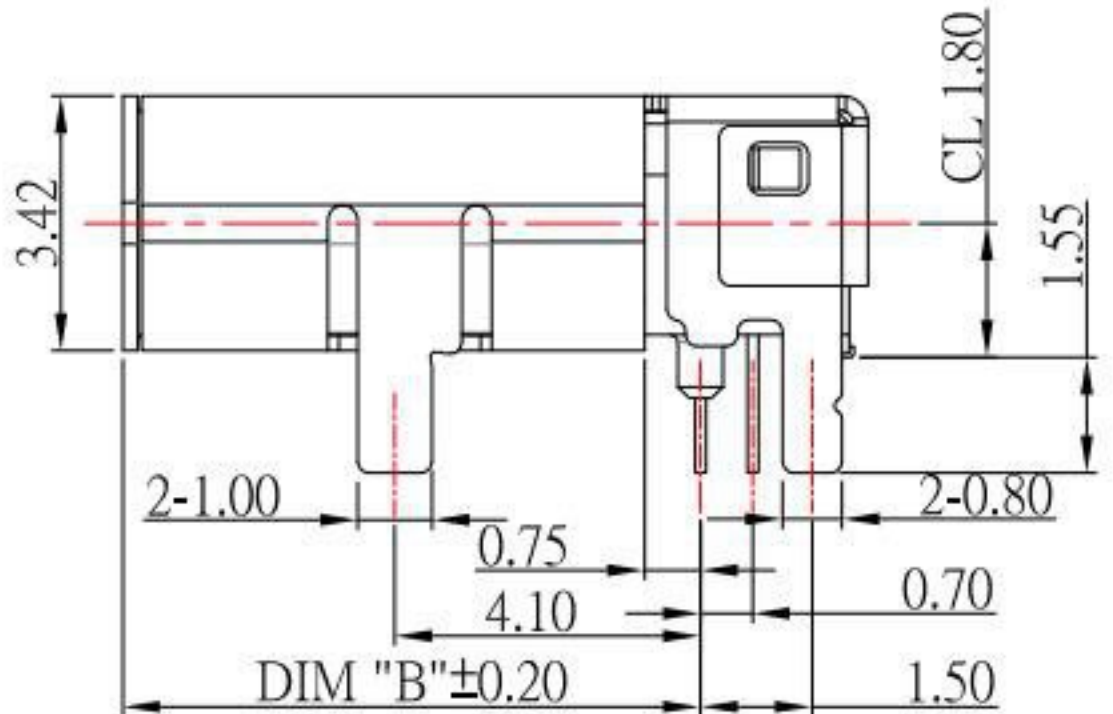
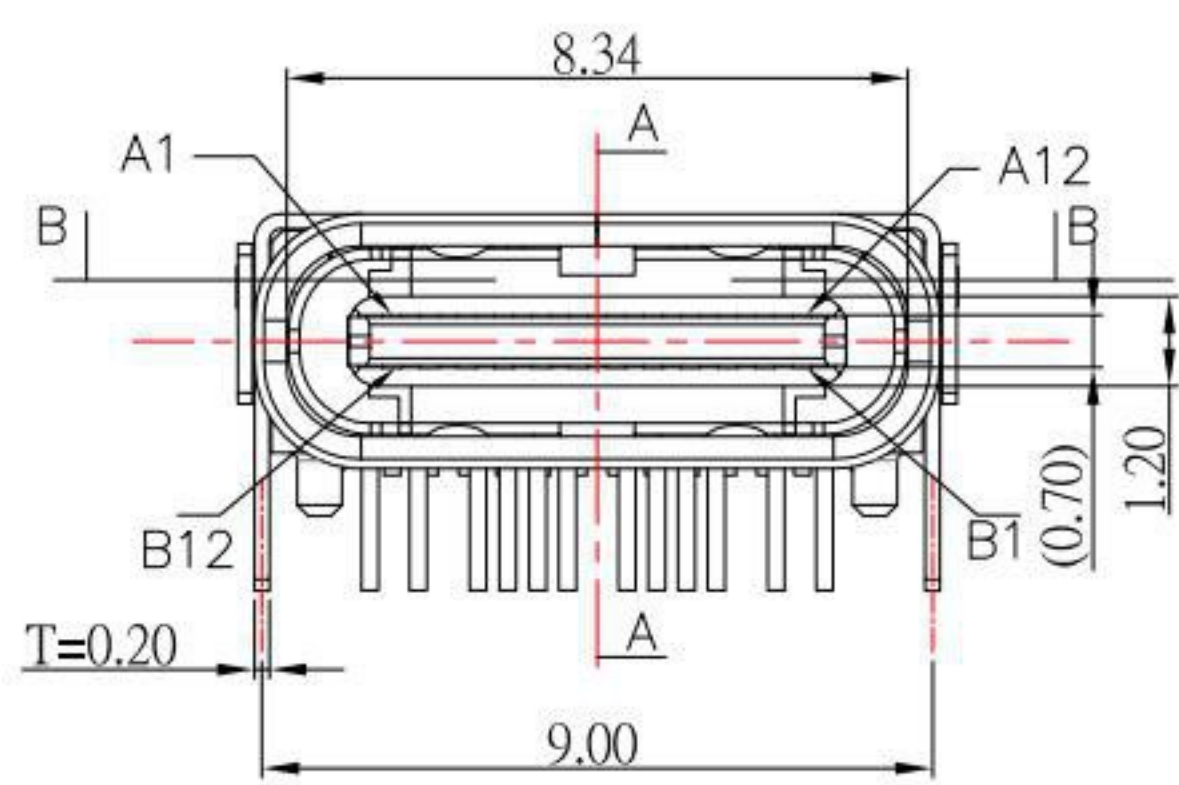
- 1.Housing: LCP
- 2.Contact: C7025
- 3.Shell: SUS

Finish:

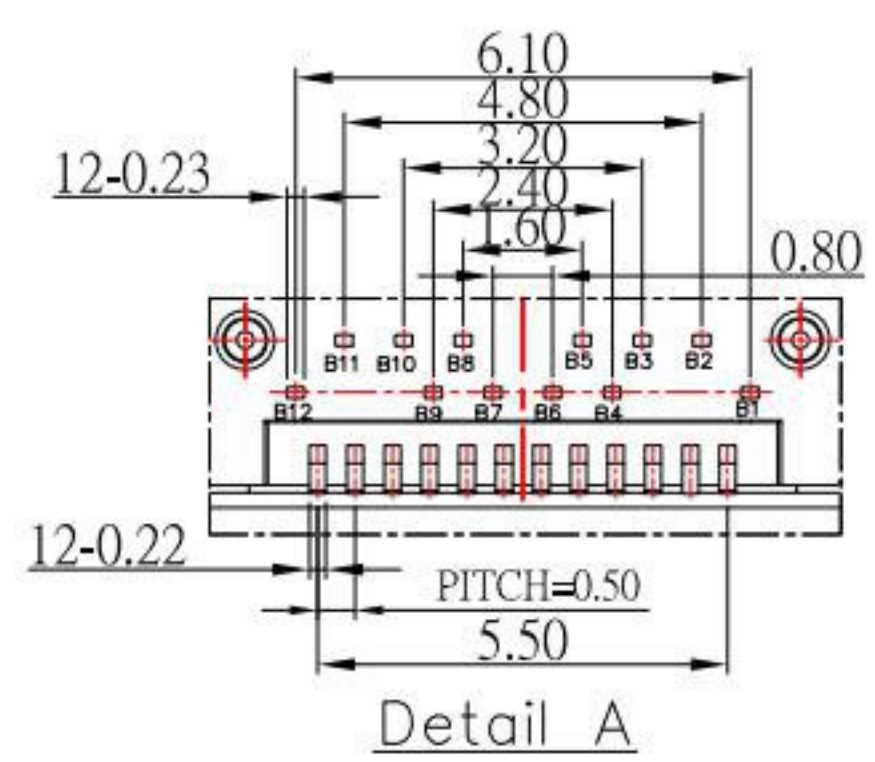
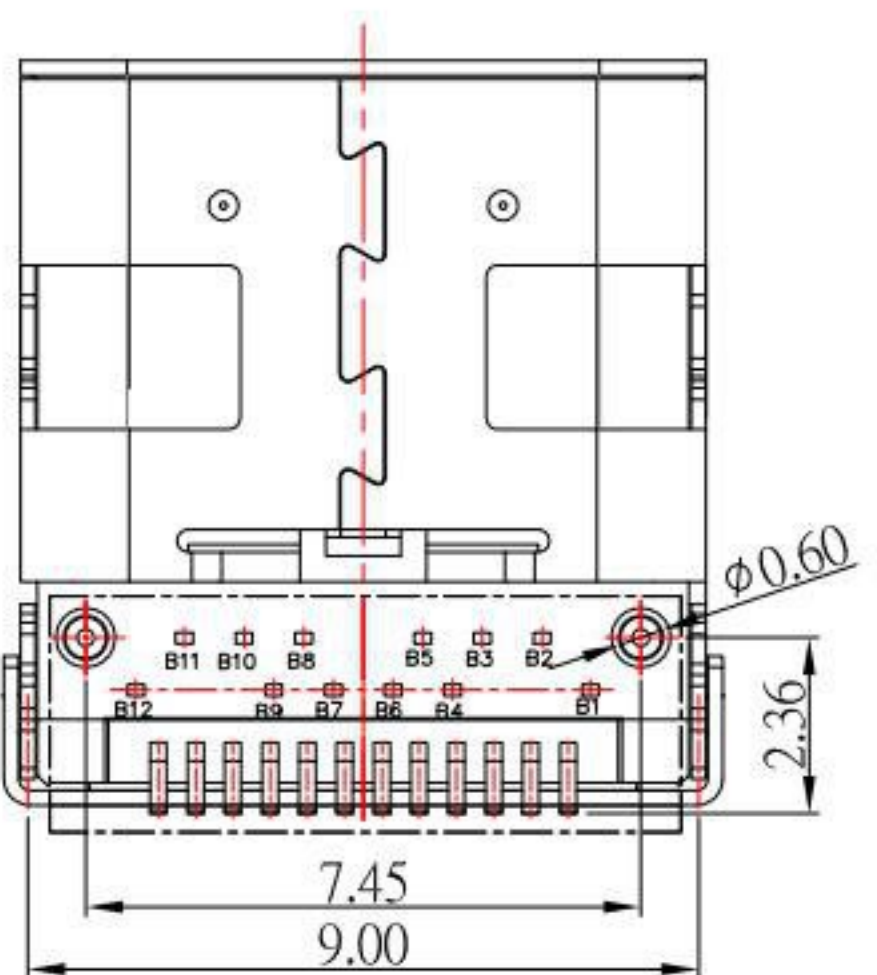
- 1.Contact: Plated Gold in Mating Area ;
Tin Plated on Solder Balls ;
Nickel under plated overall
- 2.Shell: Nickel under Plated surface layer



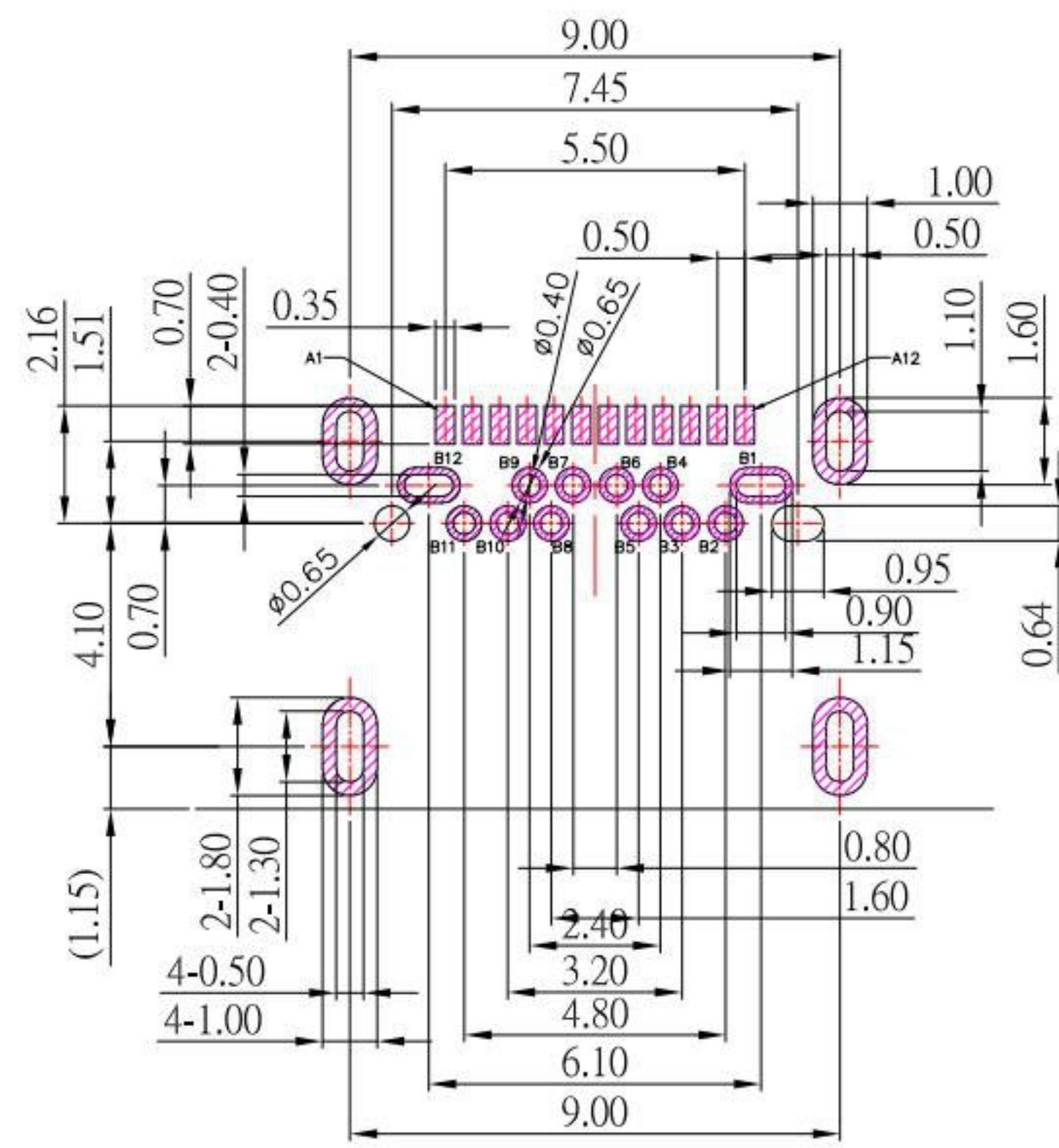
SECTION B-B
Scale 1:1



Section A-A
Scale 1:1



Detail A



RECOMMENDED P.C.B. LAYOUT

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

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	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	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	SBU1	Sideband Use(SBU)	B5	CC2	Configuraaion Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

KSD
SWITCH CONNECTOR
全球 互聯零組件製造企業

科斯达电子科技有限公司
KSD ELECTRONIC TECHNOLOGY Co., LTD

1	更新料號	Jack	061622
ITEM NO.	DESCRIPTION	DRAWN	DATE

TOLERANCE UNLESS OTHERWISE STATED:

Up to 5
Above 5 ~ 15
Above 15 ~ 30
Above 30 ~ 50
Angle

±0.2
±0.3
±0.4
±0.5
±0.3°

3RD.
ANGEL'S

UNITS

MM

DRAWN BY:	DATE	MAT'L	TITLE	CONNECTOR
Jack Lu	06/16/22			
CHECKED BY:	DATE	FINISH	MODLE	USB 3.1 TYPE C 母座 板上 DIP + SMT 雙鐵殼 H3.46 外殼腳長1.55
Jacky Chen	06/16/22			
APPROVED BY:	DATE	SCALE	DWG NO.	SBC-240S13Ax-31x-S338
Tony Kao	06/16/22	1 : 1		
		SHEET NO.	PART NO.	SBC-240S13Ax-31x-S338
		1 of 1		
				SIZE A4
				VER R1