



Blank : 1u"

2 : 15u"

3 : 30u"

SPECIFICATIONS

Electrical:

1. Rating: 5.0 A for VBUS
0.25A for other
2. Dielectric Withstand Voltage: 100V AC
3. Contact Resistance: 40 mΩ Max
4. Insulation Resistance: 100 MΩ Min

Mechanical:

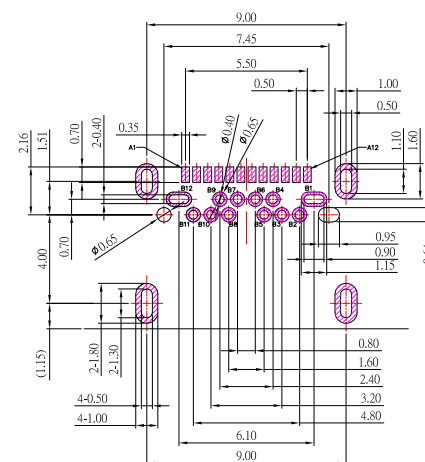
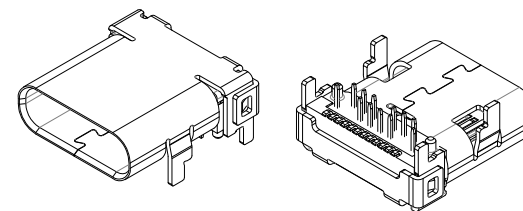
- 1.Connector Mate and Unmate Force
 - 1.1 Mate force: 5~20 N
 - 1.2 Unmate force: 8~20 N

Material:

- 1.Housing: LCP
- 2.Contact: PHOSPHOR BRONZE
- 3.Shell: SUS

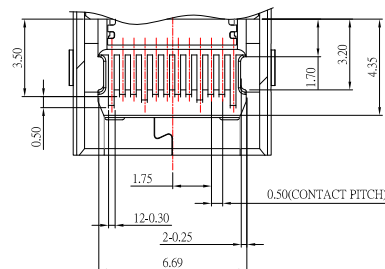
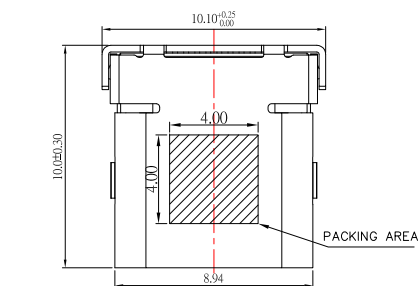
Finish:

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

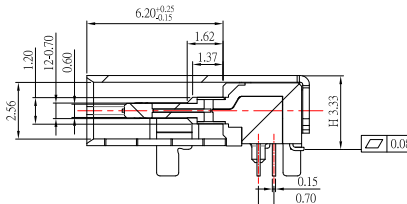
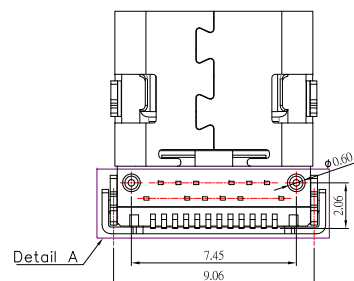
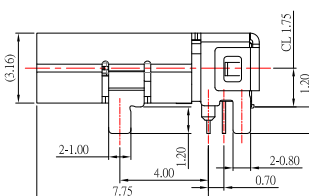
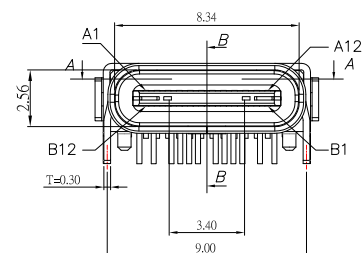


RECOMMENDED P.C.B. LAYOUT

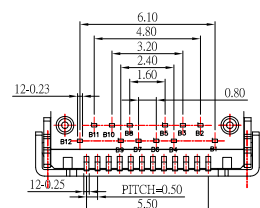
PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTp1	Positive half of first SuperSpeed TX differential pair	B11	SSRp1	Positive half of first SuperSpeed RX differential pair
A3	SSTn1	Negative half of first SuperSpeed TX differential pair	B10	SSRn1	Negative half of first SuperSpeed RX differential pair
A4	Vcc5	Bias Power	B9	Vcc5	Bias Power
A5	CC1	Configuration Channel	B8	SRU2	Sideband Use (SRU)
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	SRU1	Sideband Use (SRU)	B5	CC2	Configuration Channel
A9	Vcc5	Bias Power	B4	Vcc5	Bias Power
A10	SSRx2	Negative half of second SuperSpeed RX differential pair	B3	SSTx2	Negative half of second SuperSpeed TX differential pair
A11	SSRp2	Positive half of second SuperSpeed RX differential pair	B2	SSTp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return



SECTION B-B



SECTION A-A



Detail A

6	更新尺寸	Jack	032119	CONTACT 建倚科技股份有限公司 CONTACT TECHNOLOGY CORP. 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	USB 3.1 TYPE C SMT腳+PIN腳長1.2 定位柱距離7.45mm	
5	更新MODLE	Jack	113018						Jack Lu	03/21/19						
4	更新圖面	Jack	091918						CHECKED BY: DATE		FINISH		MODLE			
3	更新pin編號	Jack	051217						Jacky Chen	03/21/19						
2	更新為A0版	Jack	121216						APPROVED BY: DATE		SCALE	1 : 1	DWG NO.	SBC-240S5-31x-S338	SIZE	
1	更新尺寸	Jack	061716	Tony Kao	03/21/19	VER										
ITEM NO	DESCRIPTION	DRAWN	DATE			SHEET NO.	1 of 1	PART NO.	SBC-240S5-31x-S338	R6						