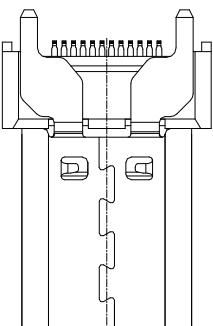
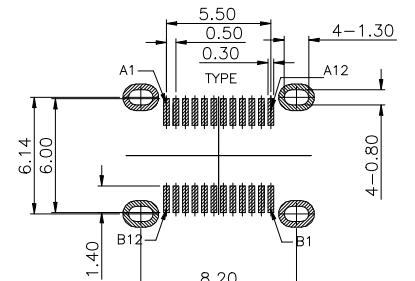
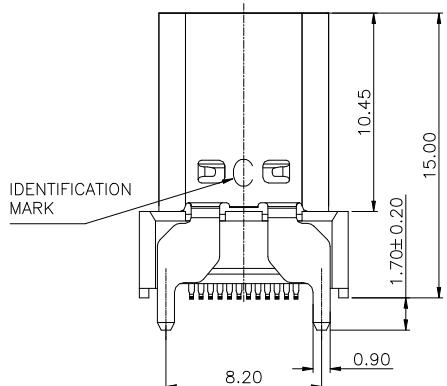
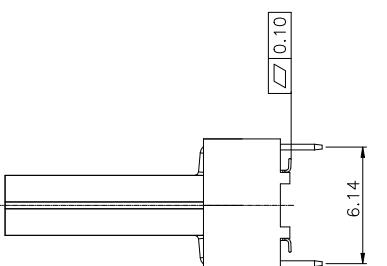
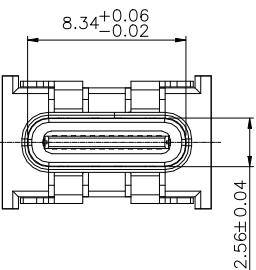
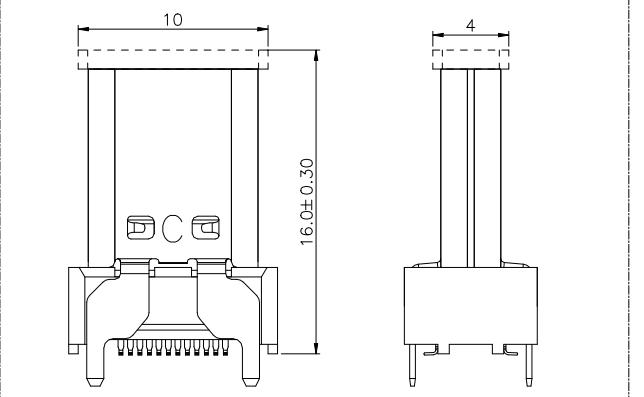


PROPRIETARY INFORMATION
COMPANY CONFIDENTIAL

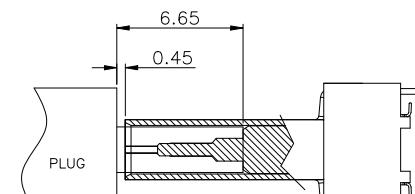
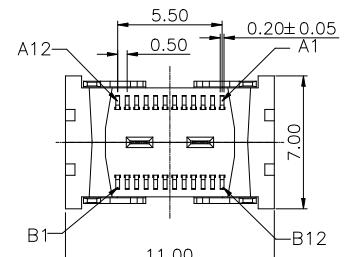
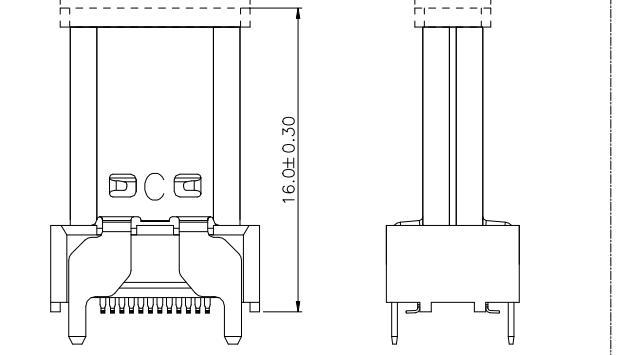


WITH CAP VIEW

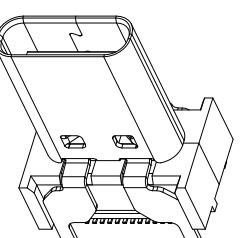


RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS $\pm 0.08\text{mm}$ Δ
KEEP OUT AREA



AFTER MATING



SPECIFICATION

1. MATERIAL: See drawing
2. STANDARD DATA
 - 2.1 Rating current: 5.0A for VBUS (i.e., pins A4,A9,B4,B9); 1.25A for Vconn and GND (i.e., pins B5,A1,A12,B1,B12); 0.25A for all the other contacts.
3. ELECTRICAL
 - 3.1 Insulator resistance: 100M ohms Min.
 - 3.2 Withstanding voltage: 100 VAC / minute
 - 3.3 Contact resistance: initial 40mohms Max. after 50mohms Max.
4. MECHANICAL
 - 4.1 Mating force: 5~20N
 - 4.2 Unmating force : Initial 8~20N After 1000cycles 6~20N
 - 4.3 Durability: 10000 cycles Min.

5. PACKING: TAPE AND REEL

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	Configuration Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSRxn2	Negative half of second SuperSpeed RX differential pair	B3	SSTxn2	Positive half of second SuperSpeed RX differential pair
A11	SSRxp2	Positive half of second SuperSpeed TX differential pair	B2	SSTxp2	Negative half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

ITEM 項目	PARTS NAME 零件名稱	Q'TY 數量	MATERIAL 材質		FINISH/REMARK 處理/備註	
			DRAWN DATE	DATE	Ethan	02/26/24'
1	INSERMOLD HOUSING	1	LCP		Black	
2	CONTACT	1	C7025		AU 1U", 100u" Min TIN ON SOLDER AREA	
3	SHELL	1	SUS304		Ni:30u" Min	
4	GND PLATE	1	SUS301		-	
5	MID PLATE	1	SUS301		-	
6	CAP	1	LCP		Black	
GENERAL TOLERANCE		ANGLE TOLERANCE		DRAWN DATE		
.X	± 0.30			Ethan	02/26/24'	
.XX	± 0.20					
.XXX	± 0.10		$\pm 5^\circ$			
MATL		SEE NOTES		CHECKED DATE		
FINISH						
SCALE	N/A	UNIT	mm	APPROVED DATE		
SHEET	1 OF 1					

genesis
connected solutions

TITLE: USB C TYPE CONNECTOR FEMALE
SMT S/T W/CAP H=15.0mm

PART NUMBER:

210-10241-01

DRAWING NO.
210-10241

SIZE A4

REV. C