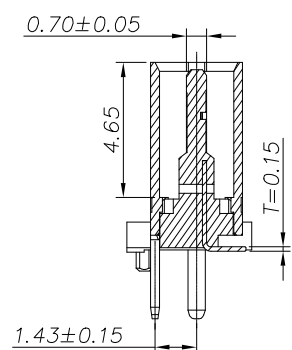
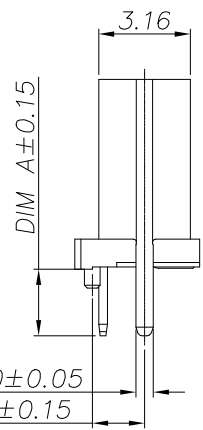
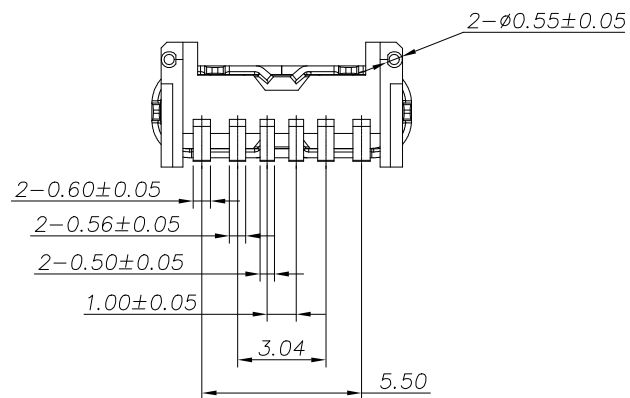
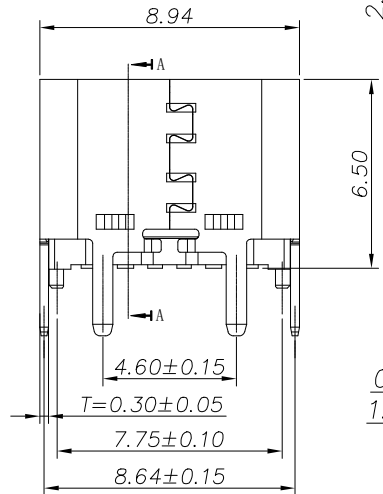
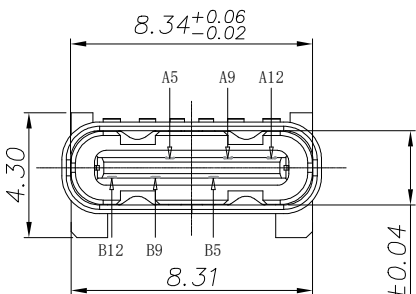




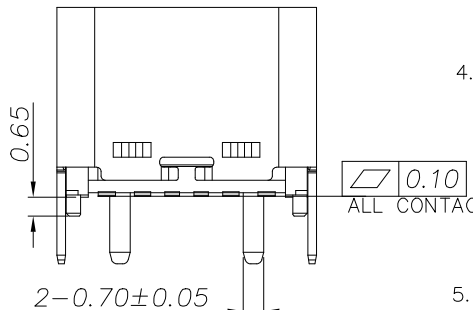
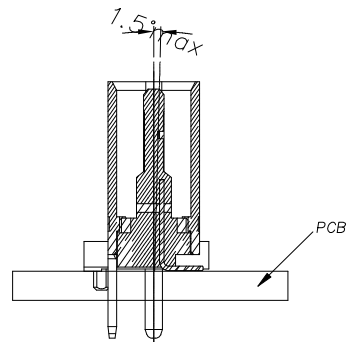
Amphenol
FCI

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D



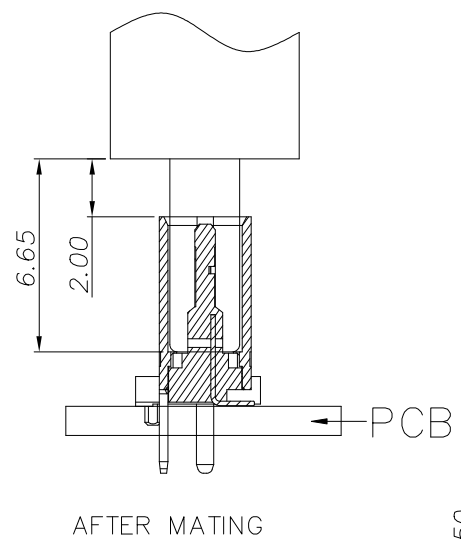
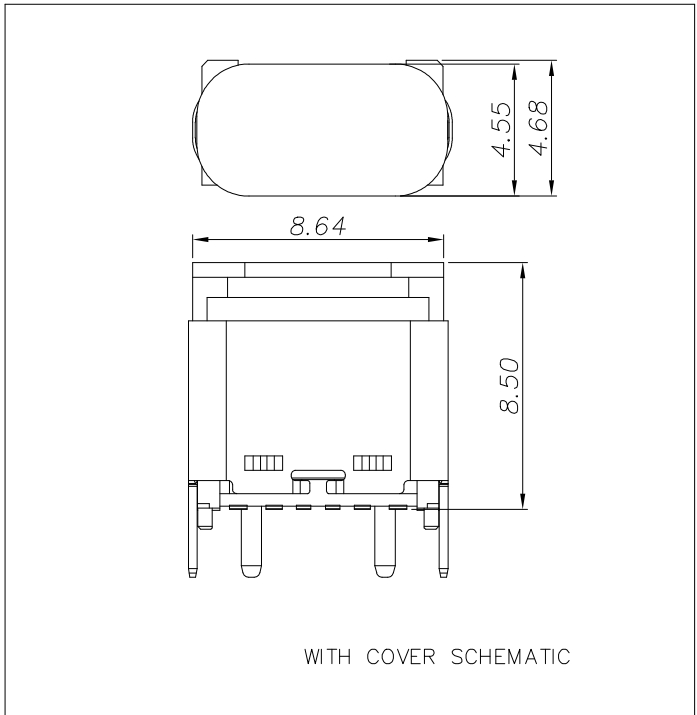
SECTION: A-A



- NOTE:
- 1.MATERIAL SPECIFICATION:
 - 1.HOUSING:HIGH TEMPERATURE THERMAL PLASTIC, UL94 V-0.
 - 2.TERMINAL: COPPER ALLOY
 - 3.MID PLATE: STAINLESS STEEL
 - 4.FRONT SHELL: STAINLESS STEEL
 - 2.PLATING SPECIFICATION:
 - 2-1.TERMINAL:
 - Ni 50u" MIN. UNDER PLATED OVER ALL.
 - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
 - (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-2.FRONT SHELL:
 - PLATING SPECIFICATIONS FOLLOW THE P/N
 - 2-3.MID PLATE
 - CLEAR ONLY
 - 3.MECHANICAL PERFORMANCE,
 - 3-1.INSERTION FORCE: 0.5~2.0kgf.
 - 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
 - 3-3.DURABILITY: 10000 CYCLES.
 - 4.ELECTRICAL PERFORMANCE,
 - 4-1. VOLTAGE RATING: 20 V DC/AC (RMS. max)
CURRENT RATING:3AMPS MIN
 - 4-2. LLCR:
 - VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
 - SHIELD: 50mA/MAX.
 - LLCR MAX. CHANGE OF ALL PINS: 10mA
 - 4-3.INSULATION RESISTANCE: 100MΩ MIN
 - 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
 5. ENVIRONMENTAL PERFORMANCE:
 - OPERATING TEMPERATURE: -25°C~+85°C.
 - 6.IR REFLOW:
 - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.
 7. PART NUMBER DESCRIPTION
10168357-00 X X X LF

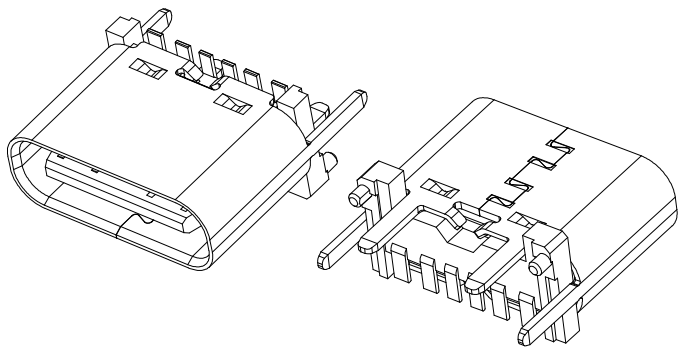
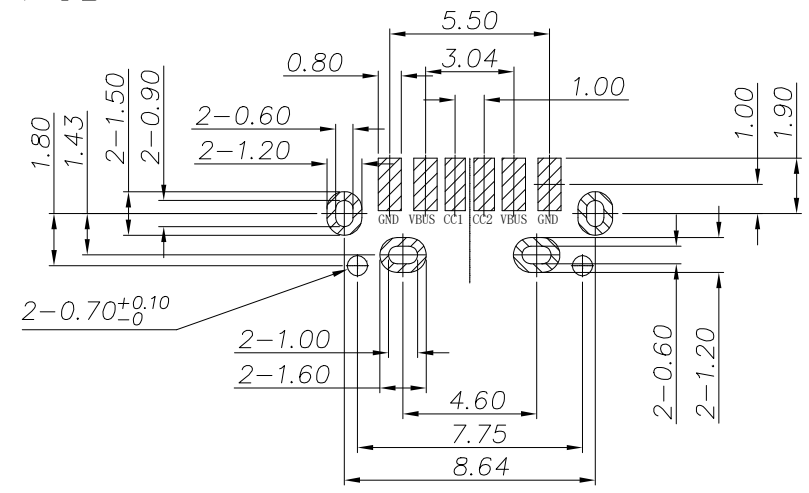
- PACKAGING
 - 1. TAPE AND REEL
- CONTACT PLATING
 - 1. GOLD FLASH
- SHELL LEG LENGTH (DIM A)
 - 0. 0.70MM
 - 1. 1.70MM
 - 2. 2.30MM

mat'l. code		surface	tolerance	projection	product family
		ISO 1302 ✓	ISO 406 ISO 1101	1101	USB
ltr	ecn no	dr	date	tolerances unless otherwise specified	title
A	-	TY	2025/06/27	angles	USB TYPE C RECEPTACLE
				linear	6PIN VERTICAL SMT TYPE
				0°±2°	
				dr	Y-Y Bao 2022/07/14
				enr	Y-Y Bao 2022/07/14
				chr	L-Q Lei 2022/07/14
				appd	Tim Yao 2022/07/14
sheet index	revision	A			
	sheet	1			



PIN ASSIGNMENTS

A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B5	CC2
PIN	SIGNAL NAME	PIN	SIGNAL NAME



RECOMMENDED PCB LAYOUT
THICKNESS ;DEFAULT TOLERANCE: ±0.05

mat'l. code				surface	ISO 1302	tolerance	ISO 406	ISO 1101	projection	product family			
ltr				ecn	no	dr	date	tolerances unless otherwise specified		USB			
1								angles	linear	title			
								0°±2°		USB TYPE C RECEPTACLE			
										6PIN VERTICAL SMT TYPE			
								dr	Y-Y Bao	2022/07/14	dwg no		
								enr	Y-Y Bao	2022/07/14	sheet2 of 2		
								chr	L-Q Lei	2022/07/14	size		
								appd	Tim Yao	2022/07/14	10168357		
											A3		
											type		
											Product Customer Drawing		
sheet index		revision		A									
		sheet		2									