

SECTION: A-A

NOTE:

1.MATERIAL SPECIFICATION:

1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.

2.TERMINAL: COPPER ALLOY(C1814)

3.MID PLATE: STAINLESS STEEL(SUS301)

4.FRONT SHELL: STAINLESS STEEL(SUS304)

2.PLATING SPECIFICATION:

2-1.TERMINAL:

Ni 50u" MIN. UNDER PLATED OVER ALL.

Au G/F PLATED OF CONTACT.

2-2.FRONT SHELL:

Ni 50u" MIN. UNDER PLATED OVER ALL.

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:5 V DC/AC (RMS. max)

CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;

1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.

4-2. LLCR:

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

LLCR MAX. CHANGE OF ALL PINS: 10mΩ.

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

10168207-00 0 X X LF

PACKAGING

1. TAPE AND REEL

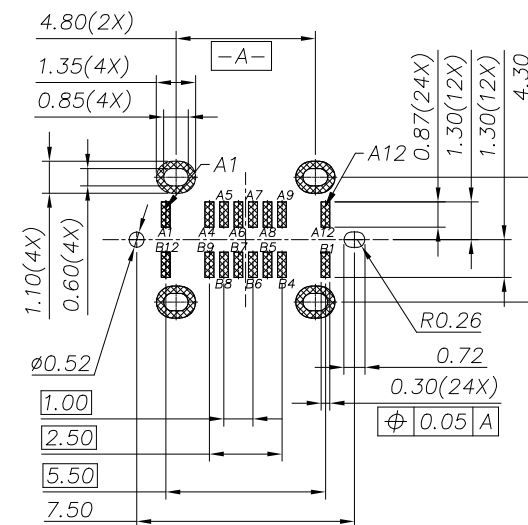
CONTACT PLATING

1. GOLD FLASH

mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406	ISO 1101	USB			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
A	New release	YY	2022/11/18	angles	linear		USB TYPE C RECEPTACLE			
				0°±2'			16PIN VERTICAL SMT TYPE			
				dr	Y-Y Bao	2022/11/18	Amphenol FCI	dwg no		sheet 1 of 3
				engr	Y-Y Bao	2022/11/18		10168207		A3
				chr	L-Q Lei	2022/11/18		type Product Customer Drawing		
				appd	Tim Yao	2022/11/18				
sheet index	revision sheet									

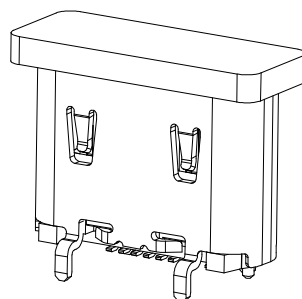
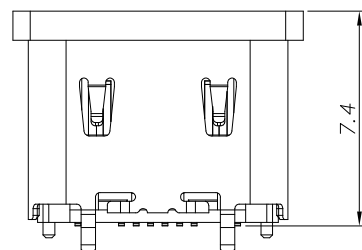
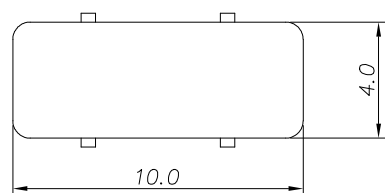
USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBus	B9	VBus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBus	B4	VBus
A12	GND	B1	GND

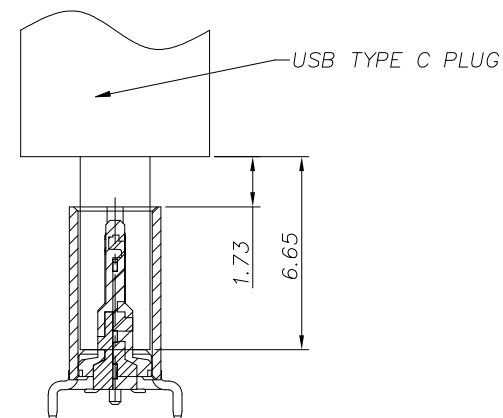


RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05



WITH COVER SCHEMATIC



FEMALE AND MALE MATCHING DRAWING

mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406	ISO 1101	USB			
ltr	ecn	no	dr	date	tolerances unless specified	mm	title			
A					angles linear		USB TYPE C RECEPTACLE			
					0°±2'		16PIN VERTICAL SMT TYPE			
				dr	Y-Y Bao	2022/11/18	dwg no			
				engr	Y-Y Bao	2022/11/18	sheet2 of 3			
				chr	L-Q Lei	2022/11/18	10168207			
				appd	Tim Yao	2022/11/18	type Product Customer Drawing			
sheet	revision									
index	sheet									

