

RECOMMENDED PCB LAYOUT(TOP VIEW)

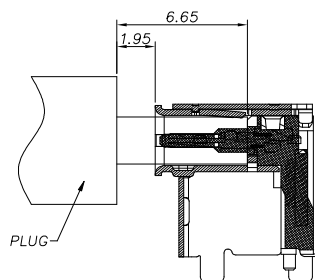
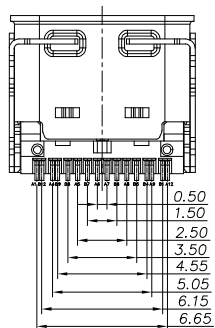
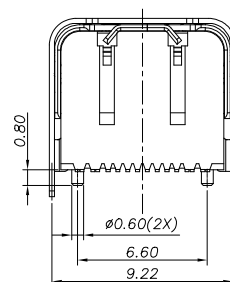
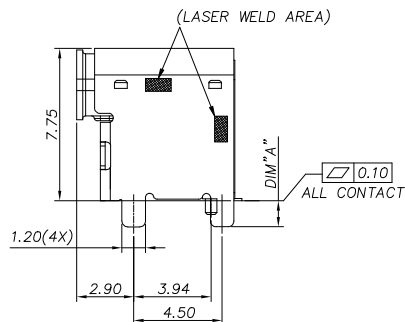
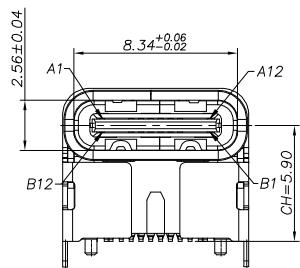
NOTE:

- 1.MATERIAL SPECIFICATION:
 - 1.HOUSING:HIGH TEMPERATURE PLASTIC,UL94 V-0.
 - 2.TERMINAL: COPPER ALLOY
 - 3.MID PLATE: STAINLESS STEEL
 - 4.FRONT SHELL: STAINLESS STEEL
 - 5.TOP SHELL: STAINLESS STEEL
- 2.PLATING SPECIFICATION:
 - 2-1. CONTACTS:
 - 50u" MIN. NICKEL UNDER PLATED OVER ALL.
 - CONTACT AREA : SEE THE PART NUMBER DESCRIPTION
 - SOLDER AREA :GOLD FLASH
 - 2-2. FRONT SHELL&TOP SHELL:
 - 30u" MIN. NICKEL UNDER PLATED OVER ALL.
 - 2-3. MID PLATE:
 - CLEAR ONLY
- 3.MECHANICAL PERFORMANCE,
 - 3-1. INSERTION FORCE: 0.5~2.0kgf.
 - 3-2. WITHDRAWAL FORCE: 0.8~2.0kgf.
 - 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 AFTER TEST OF ALL PINS: 10 MΩ.
 - 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. PRODUCT PART NUMBER DESCRIPTION

10171167-0X X X X LF

- PACKAGING
- 1: TAPE AND REEL
- PLATING OPTION
- 1: CONTACT AREA 3U"GOLD
- HOUSING COLOUR
- 1: BLACK
- 2: NATURE
- DIM A OPTION
- 1: DIM A =1.33
- 2: DIM A =0.91



AFTER MATING

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

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 1101		product family	
ltr	ecn	no	dr	date	tolerances unless otherwise specified		specified		title		
A	-		TY	07/05/23	angles	linear	0±1°	mm	USB TYPE-C 16P SMT TYPE		
				dr	TY.Tang	07/05/23	scale 1:1		dwg no sheet 1 of 1 size		
				enfr	TY.Tang	07/05/23	Amphenol FCI		10171167 A3		
				chr	LQ.Lei	07/05/23			type Product Customer Drawing		
				appd	Tim.Yao	07/05/23					
sheet index		revision sheet		1 1							