

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT 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)
- TIN PLATING ON SOLDER AREA.

2-2.FRONT SHELL:

- NICKEL PLATING 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:3 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.WATERPROOF:IPX5

PART NUMBER DESCRIPTION:

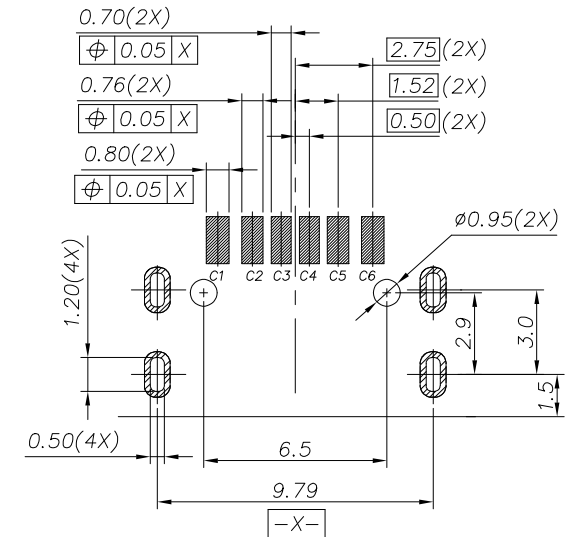
10165429-000 X X LF

- LEAD FREE
- PACKAGING
- 1. TAPE AND REEL
- CONTACT PLATING
- 1. GOLD FLASH
- 2. 15u" Au
- 3. 30u" Au
- RESERVE CODE

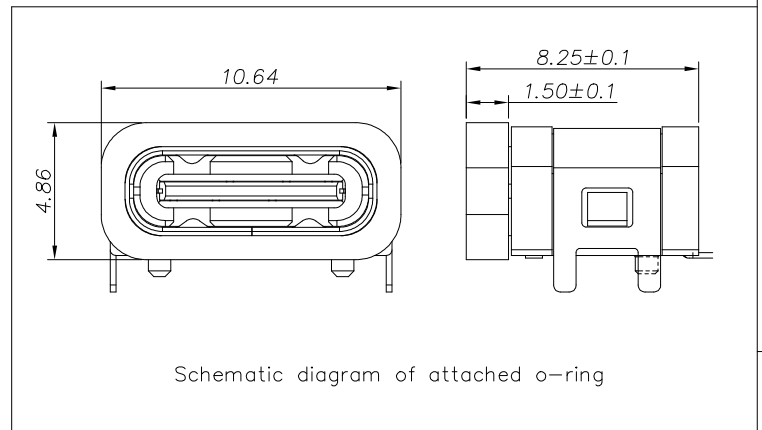
mat'l. code				surface	tolerance	projection	product family		
				ISO 1302	ISO 406	ISO 1101	HPL 511		
ltr	ecn no	dr	date	tolerances unless otherwise specified			title		
A	-	YY	2021/12/03	angles	linear	mm	USB TYPE C FEMALE		
				0°±2'		scale 1:1	6PIN R/A SMT WATERPROOF TYPE		
				dr	Y-Y Bao	2021/12/03	dwg no		
				engr	Y-Y Bao	2021/12/03	sheet 1 of 3		
				chr	LQ Lei	2021/12/03	10165429		
				appd	Tim Yao	2021/12/03	A3		
sheet index		revision sheet						type Product Customer Drawing	

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1		B12	GND
A2		B11	
A3		B10	
A4		B9	VBUS
A5	CC1	B8	
A6		B7	
A7		B6	
A8		B5	CC2
A9	VBUS	B4	
A10		B3	
A11		B2	
A12	GND	B1	



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05



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				ISO 1302		ISO 406		ISO 1101		HPL 511			
ltr				ecn no		dr		date		title			
1										USB TYPE C FEMALE			
										6PIN R/A SMT WATERPROOF TYPE			
										dwg no			
										sheet2 of 3			
										10165429			
										type			
										Product Customer Drawing			
sheet				revision									
index				sheet									

