

REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		新增卡扣角, 增强卡扣强度	2024.03.14	桑葚
/	/		/	/	/

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.CONTACTS:COPPER ALLOY
- 3.MID PLATE: STAINLESS STEEL
- 4.FRONT SHELL: STAINLESS STEEL
- 5.EMI PLATE: STAINLESS STEEL

2.PLATING SPECIFICATION:

2-1.CONTACTS:

- 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:
Ni 30u" MIN. UNDER PLATED OVER ALL.
3.MID PLA

2-4.EMI PLATE:

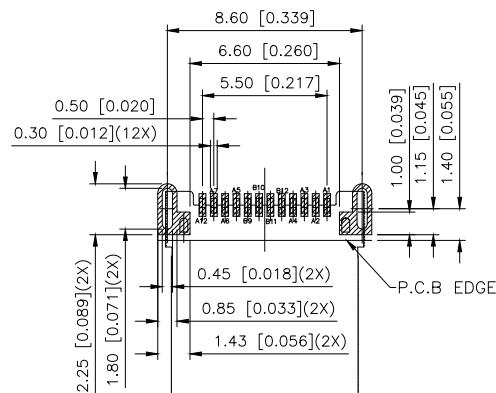
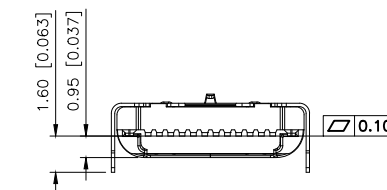
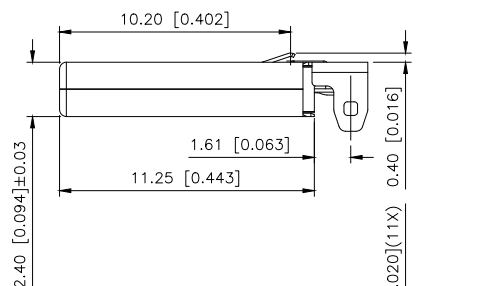
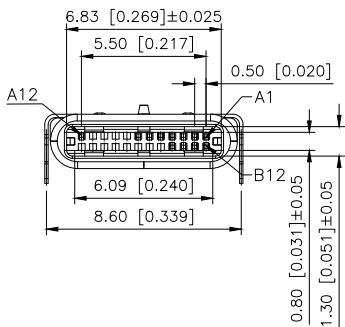
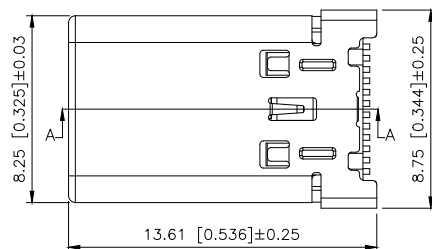
CLEAR ONLY

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,

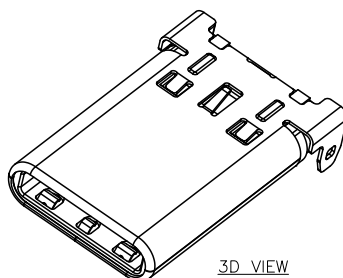
- 4-1. CURRENT RATING:3.0A
VOLTAGE RATING:5.0V
- 4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 4-3.INSULATION RESISTANCE: 100MΩ MIN
- 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25°C~+85°C.
- 6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.



Section:A-A

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	
A6	Dp1	B7	
A7	Dn1	B6	
A8		B5	
A9		B4	
A10		B3	
A11		B2	
A12	GND	B1	



3D VIEW

RECOMMENDED PCB LAYOUT(TOP VIEW).
TOLERANCE:±0.05

U261-121N-4BS2S

- 1:Au 1u" min
2:Au 15u" min
3:Au 30u" min
- 1:WITH
2:WITHOUT
- B:BLACK
U:BLUE
W:WHITE
C:CREAM-COLOR
- 1:PBT
2:PA6T

ITEM	P/N	HOUSING COLOR	CONTACTS	
			FUNCTIONAL AREA	SOLDER AREA
1	U261-12XN-4BS2S	BLACK	Au:1u"	Sn 80u"
DESIGN	桑葚	VIEW:	MODEL TYPE: USB TYPE C SMT-12PIN PLUG	
CHECKED		UNIT: mm/in	PART NO.: U261-121N-4BS2S	
APPROVED		SIZE: A4	DWG NO.: X-U261-121N-4BS2S	
			SCALE	PAGE
			N/A	1/1
			REVISION	
			A1	