

REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A		图面升级整理图面	2024.11.21	阿树

NOTE:

1.MATERIAL SPECIFICATION:

- 1-1.Housing:high temperature resistant plastic(LCP),
UL94 V-0. Color:BLACK.
1-2.Contacts:copper alloy<c18150>t=0.12mm
1-3.MID Plate:stainless steel(sus301)t=0.15mm
1-4.Shell: stainless steel(sus304)t=0.30mm

2.Plating Specification:

2-1.Contacts:

Ni 50u" min. under plated over all.
Au plated on the mating area of contact.
(gold plating thickness follow the p/h)
gold flash plated on the solder area.

2-2.SHELL:Ni 30u" min. under plated over all.

2-3.MID Plate:

clear only

3.Mechanical Performance,

- 3-1.Insertion Force: 0.5~2.0 kgf.
3-2.Extraction Force: 0.8 kgf~2.0kgf.
0.6kgf~2.0 kgf. after durability test.
3-3.Durability: 10000 cycles

4.Electrical Performance,

- 4-1. Current Rating:5.0A
Voltage Rating:5.0V
4-2. L1cr:
vbus & gnd pins and other pins 40mΩ/pin max.
Shield: 50mΩ/MAX.
L1cr MAX. Change of all Pins: 10mΩ.
4-3.Insulation Resistance: 100MΩ MIN
4-4.Dielectric Withstand Voltage,AC 100V OFR 1 minute.
5. Environmental Performance:
Operating Temperature-25°C~+85°C

6.Ir Reflow:

The peak temperature n the bard shall
be maintained for 10 seconds at 260°C.

RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05

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

Item	Title	Material	Dispose	Remark
1	Shell	Stainless Steel	Ni:30u" Min.	
2	Mid Plate	Stainless Steel	Clear Only	
3	Top Contact	Copper Alloy	Mating Area: See P/N	
4	Bottom Contact	Copper Alloy	Solder Tails: GF	
5	Insulator	High Temperature Plastic	UL 94V-0	Black

AuGLAR	±5°
X.	±0.40
X.x	±0.30
X.xx	±0.20
X.xxx	±0.15
UNSPECIFIED TOLERANCES	



DESIGN	阿树	VIEW:	MODEL TYPE: USB TYPE C -16PIN PLUG
CHECKED		UNIT: mm/in	PART NO.: U263-163N-4BQC65
APPROVED		SIZE: A4	DWG NO.: X-U263-163N-4BQC65
SCALE		PAGE	REVISION
N/A		1/1	A1

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