

REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A		图面升级整理图面	2025.10.14	阿树

Material:

Housing Material: High temperature thermoplastic

Contact Terminal: High Grade Copper Alloy

Metallic Shell: Stainless Steel

Inner Ground Cover Shell: Stainless Steel

Mid Plate: Stainless Steel

Plating

Data Contact

Underplating: 50 μ " Min. Nickel

Contact Plating: 1 μ " Gold

Solder Area: 80 μ " Matte Tin

Shell

Metallic Shell: 50 μ " Min. Nickel

Cover Shell

Metallic Shell: 80 μ " Min. Nickel

Inner Ground Cover Shell

Metallic Shell: 50 μ " Min. Nickel

Electrical

Voltage Rating: 20V DC

Current Rating: Vbus pins collectively 5.00A, GND pins collectively 6.25A, B5 pin 1.25A, Other pins 0.25A per pin.

Contact Resistance: 40m Ω Max.

Insulation resistance: 100 M Ω MIN.

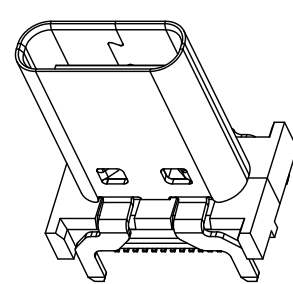
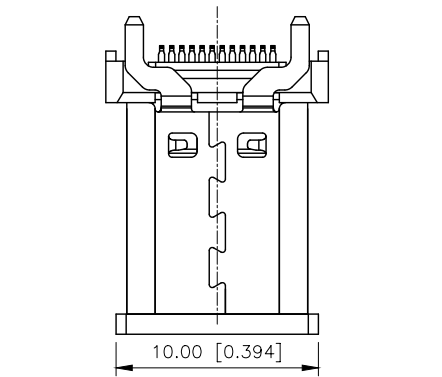
Dielectric withstanding voltage: 100V AC/Minute

Mechanical

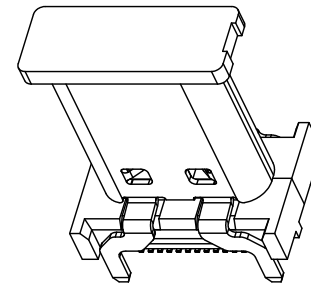
Durability: 10,000 cycles

Mating Force: 5 to 20N

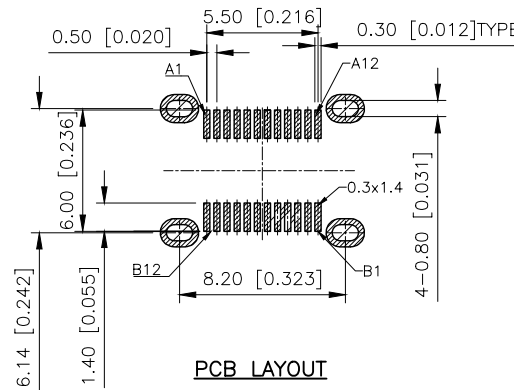
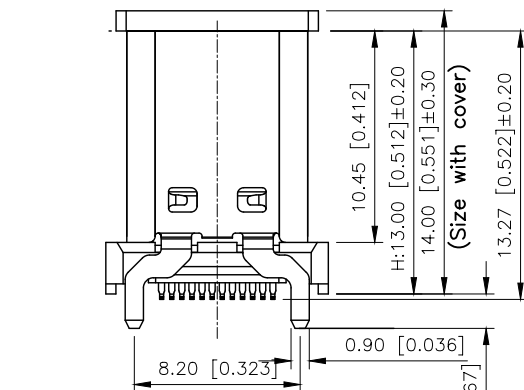
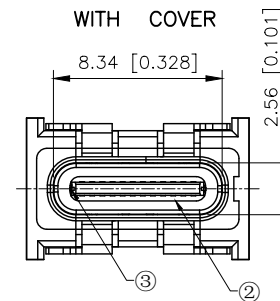
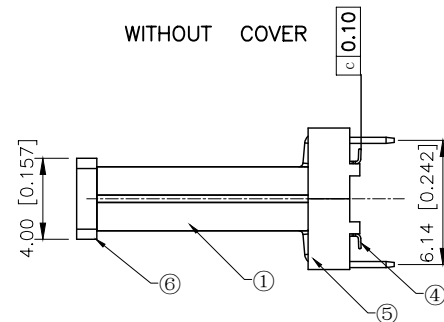
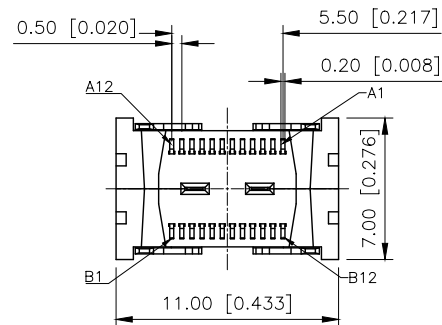
Unmating Force: 8 to 20N (post test)



WITHOUT COVER



WITH COVER



PCB LAYOUT

U263-241N-4BQC16-2

01:AU 1U"Min
03:AU 3U"Min
05:AU 5U"Min
10:AU 10U"Min
15:AU 15U"Min
30:AU 30U"Min

1:PBT
2:PA6T
3:PA9T
4:LCP
W:WHITE
B:BLACK

A1	GND	B12	GND
A2	SSTXP1	B11	SSRXP1
A3	SSTXN1	B10	SSRXN1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXN2	B3	SSTXN2
A11	SSRXP2	B2	SSTXP2
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

H	
1	13.00
2	13.50
3	15.00

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 -24PIN PLUG
CHECKED		UNIT:	mm/in	PART NO.: U263-241N-4BQC16-2
APPROVED		SIZE:	A4	DWG NO.: X-U263-241N-4BQC16-2
XKB INDUSTRIAL PRECISION CO.,LIMITED				SCALE PAGE REVISION N/A 1/1 A1