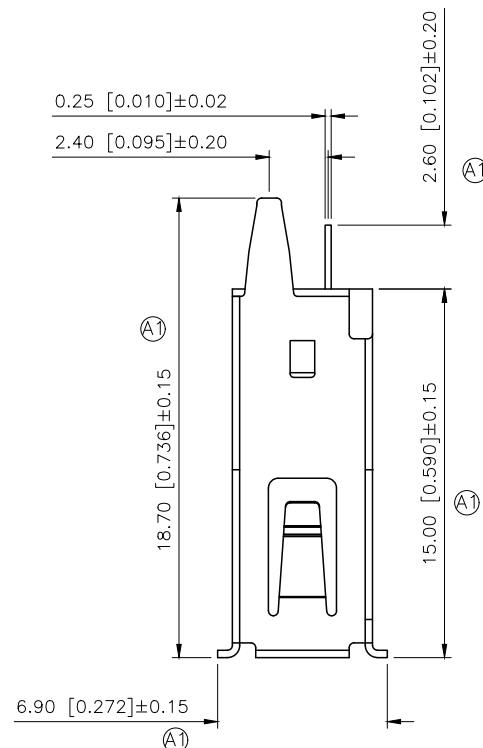
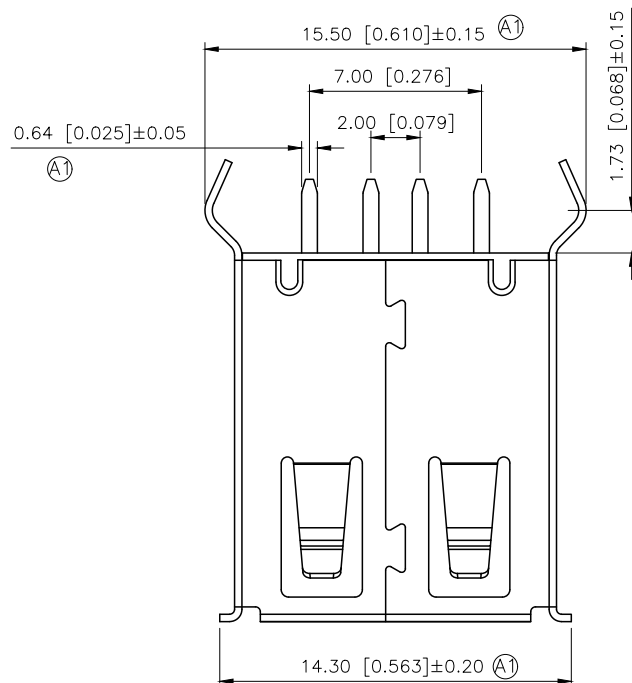
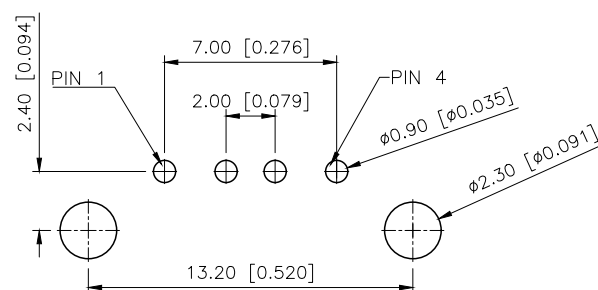
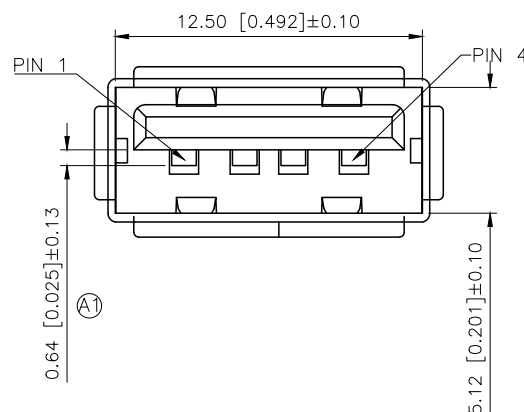


REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A	(A)X7	尺寸, 外观及材质变更, 图面升级整理图面	2025.05.14	阿树



- 电气性能Electrical performance:
 - A.额定电流Current rating:1.5A MIN 250V AC.
 - B.接触电阻Contact resistance: 50 mΩ.MAX
 - C.绝缘电阻Insulation resistance:1000 MΩ MINI 300V/AC
 - D.电介质耐压Withstand voltage: 500V AC 1M
- 环境性能Environmental performance
 - A.工作温度Temperature range: -40°C TO 85°C
- 机械特性Mechanical Properties
 - A.USB Insertion and removal test:
200 cycles per hour, 3000 cycles of insertion and removal, no functional damage..
 - B.USB Insertion and extraction force test:After 5 insertion tests, the insertion force should be ≤ 35N, and the extraction force should be ≥ 10N. After 3000 insertion and extraction tests, the extraction force should be ≥ 8N.
 - C.Salt spray for 24 hours, salt spray collection volume 1.5mL, temperature 35°, humidity 47%.
 - D.The contact pin and rubber core retention force ≥ 0.8kg..
- 耐高温High temperature resistant: (PBT耐温220°,LCP耐温260°),
The plastic should not have defects such as bubbling, melting glue, discoloration, or warping within the tolerance range..
- Soldering test of the product, with soldering area reaching over 95%;
- Requirements must comply with USB 2.0 association standards..
- Those marked with "*" are key inspections..



P.C.B LAYOUT

U221-041N-1BZ19-SB

1:AU 1U"
5:AU 15U"
6:AU 30U"

1:PBT
2:PA6T
3:PA9T
4:LCP

W:WHITE
B:BLACK

B:Brass
S:Spcc
S:Scrolls

PIN针序号	信号名称
PIN1	VBUS
PIN2	D-
PIN3	D+
PIN4	GND

3	Shell	SPCC	T=0.30mm±0.02mm Plated: Cu≥80u",Ni≥100u" (PBT耐温260°±5°)
2	Terminal	PBT	
1	Housing	C2680	T=0.25mm±0.02mm Plated: Ni≥50u"Au:1u"Sn≥80u"
NO	NAME	MATERIAL	Specification Description

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 2.0
CHECKED		UNIT: mm/in	PART NO.: U221-041N-1BZ19-SB
APPROVED		SIZE: A4	DWG NO.: X-U221-041N-1BZ19-SB