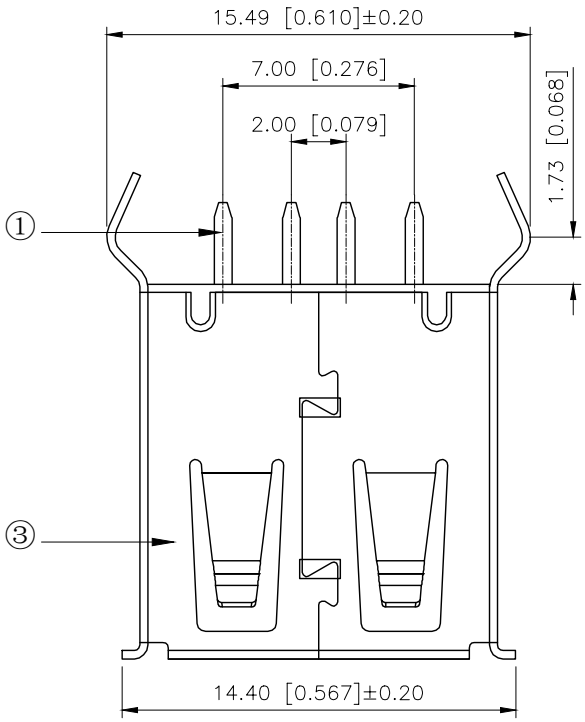
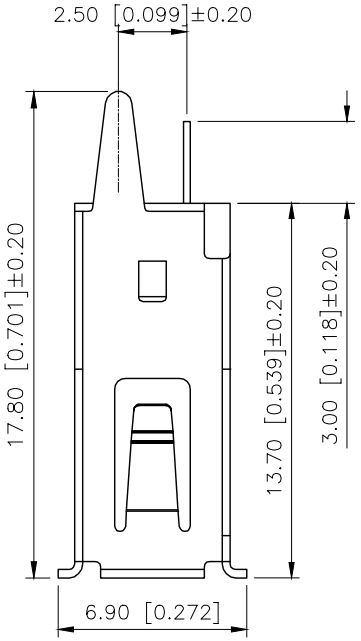
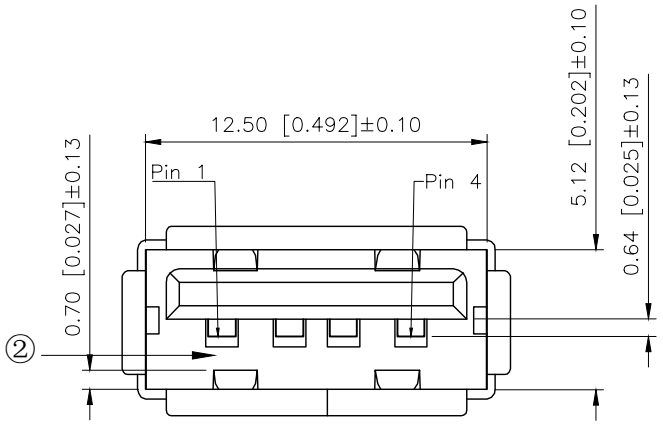
REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A		产品尺寸及材质变更，图面升级整理图面	2024.12.18	阿树

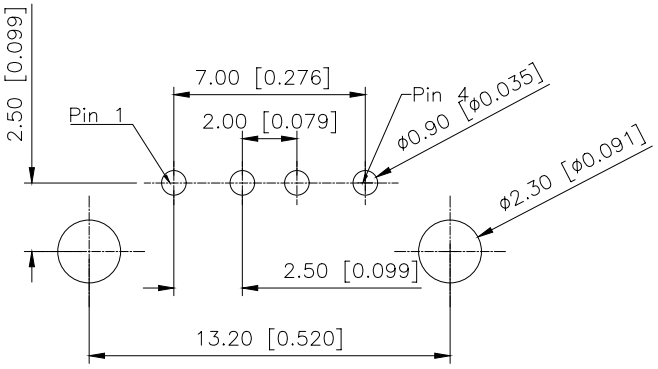
PIN	SIGNAL NAME
PIN1	VBUS
PIN2	D−
PIN3	D+
PIN4	GND





Remark:
1.Electrical Properties:
A.Rated current: 1.5A MIN 250V AC.
B.Contact resistance: 50 mΩ. MAX
C.Insulation resistance: 1000 MΩ MINI 300V/AC
D.Dielectric withstand voltage: 500V AC 1M
2.Environmental performance
A.OPERATING TEMPERATURE: −40°C TO 85°C
3.Mechanical characteristics
A.USB plugging and unplugging test: 200 cycles per hour, 3000 cycles of plugging and unplugging, No impairment of function.
B.USB plugging and unplugging force test: after 5 times of plugging test, the insertion force ≤ 35N, The pull−out force ⩾ 10N.After 3000 times of plugging and unplugging test, the pull−out force ⩾ 8N.
C.Salt spray for 24 hours, salt spray collection capacity 1.5mL, temperature 35°, humidity 47%.
D.Contact PIN needle and rubber core retention force⩾ 0.8kg.
4.High temperature resistance: (PBT temperature resistance 220°, LCP temperature resistance 260°), plastic cannot There are blistering, glue melting and other defects, discoloration, warping and deformation within the tolerance range.
5.Product solder test, the tin area is more than 95%;
6.Required to comply with USB 2.0 Association standards.





PCB Layout

U221−041N−1WZ17−SB
1:AU 1U"
5:AU 15U"
6:AU 30U"
1:PBT
2:PA6T
3:PA9T
4:LCP
B:Black
W:White
B:Brass
S:Scrolls

NO.	PART NAME	MATERIAL	THICK	FINISH	Q'TY
3	SHELL	C2680	T=0.30	Cu⩾80u",Ni⩾100u"	1
2	HOUSING	PBT/LCP	—	WHITE/BLACK UL94−V0	1
1	TERMINAL	C2680/C7025	T=0.25	Ni⩾50u"Au:1u"Sn⩾80u"	4

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

XKB Connection 星坤

DESIGN	阿树	VIEW:	MODEL TYPE: USB 2.0
CHECKED		UNIT: mm/in	PART NO.: U221−041N−1WZ17−SB
APPROVED		SIZE: A4	DWG NO.: X−U221−041N−1WZ17−SB

XKB INDUSTRIAL PRECISION CO.,LIMITED

SCALE	PAGE	REVISION
N/A	1/1	A1