

REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A		图面升级整理图面	2025.05.06	阿树

Remark 备注:

1.Material 材质:
Shell 外壳:BRASS
Terminal 端子:High Grade Copper Alloy
Plastic 塑胶:LCP

2.Plating Specifications 电镀规格:
Shell 外壳:全部区域镀亮镍60μ'
电镀符合"RoHS"标准,
Terminal 端子:镀镍底50u", 接触区域镀金1u",
焊接区镀锡80u"Min.(高温锡)

3.LCP胶芯耐高温245°~260°,PBT胶芯耐高温200°~220°

4.Electrical properties 电气性能:
A.Current 电流:3A MAX
B.Contact Resistance 接触电阻: 30 mΩ.
C.Insulation resistance 绝缘电阻:1000 MΩ MINI 300V/AC
D.Withstand voltage 耐电压: 500V AC 1M

5.Environmental performance 环境性能
A.operating temperature 操作温度:-55°C TO 85°C

6.Mechanical properties 机械特性
A.USB插拔测试:每小时200个周期,插拔1500周期,功能无损伤.
B.USB插拔力测试:插入力≤3.5kg,拔出1~3.5kg
测试5次取平均值.插拔1500次后拔出0.8~3.5kg.
C.盐雾24H,盐雾收集量1.5mL,温度35°,湿度47%.
D.接触PIN针与胶芯保持力≥0.8kg.

7.要求符合USB 2.0标准.

U221-04XN-4XV612-S5

1:AU 1U"
6:AU 30U"

W:WHITE
B:BLACK

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

5:BRASS
S:Scrolls
F:Flat

零件清单

3	壳子	BRASS	T=0.30mm 电镀: Cu≥80u" Ni≥60u"
2	塑胶	LCP	G30 UL90V-0 白色/黑色
1	端子	High Grade Copper Alloy	电镀: Ni≥50u" Au:1u" Sn≥80u"
序号	名称	材质	备注

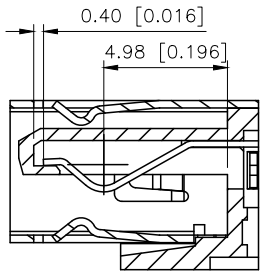
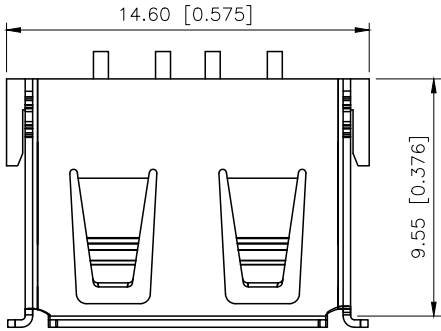
AuGLAR	±5°
X.	±0.40
X.x	±0.30
X.xx	±0.20
X.xxx	±0.15
UNSPECIFIED TOLERANCES	



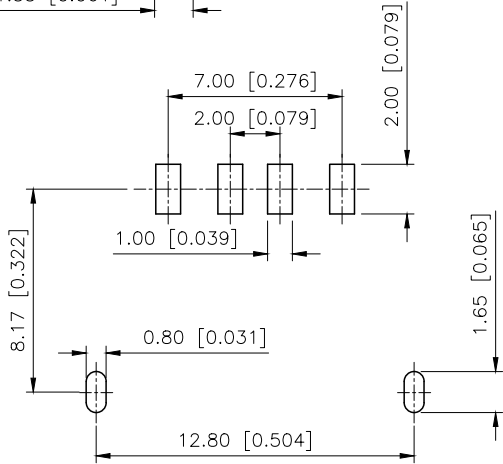
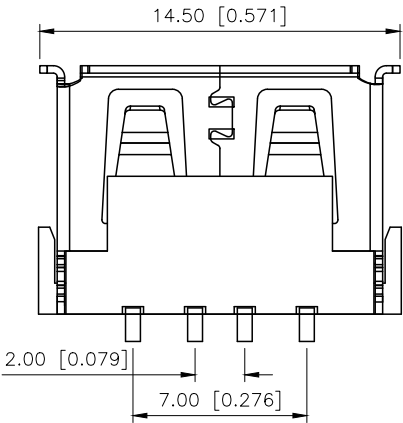
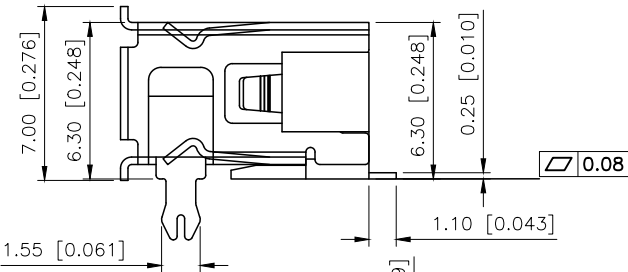
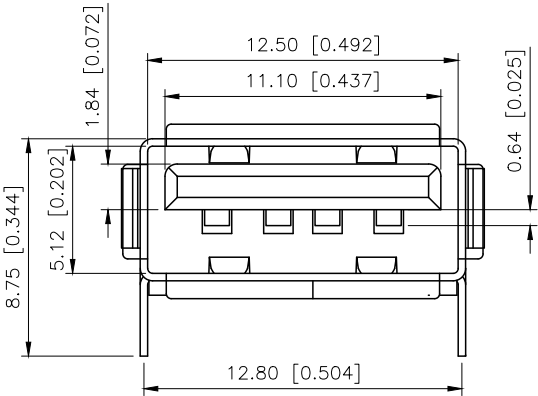
DESIGN	阿树	VIEW:		MODEL TYPE:	USB 2.0
CHECKED		UNIT:	mm/in	PART NO.:	U221-04XN-4XV612-S5
APPROVED		SIZE:	A4	DWG NO.:	

XKB INDUSTRIAL PRECISION CO.,LIMITED

SCALE	PAGE	REVISION
N/A	1/1	A1



示意图



PCB LAYOUT