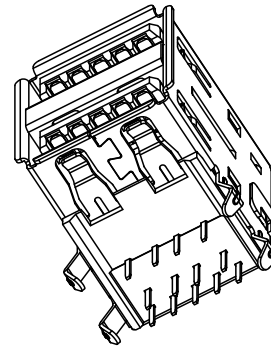
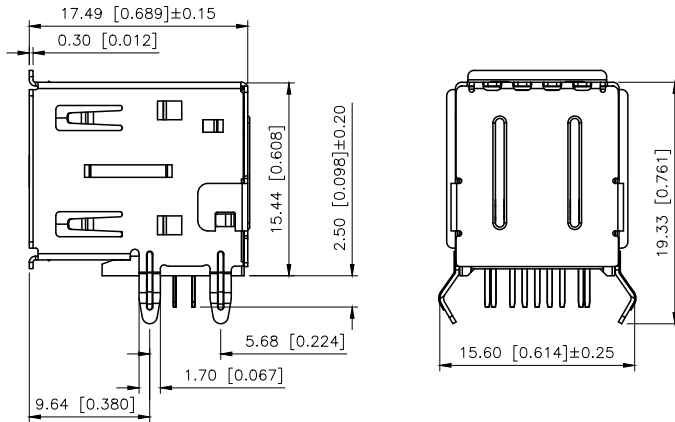
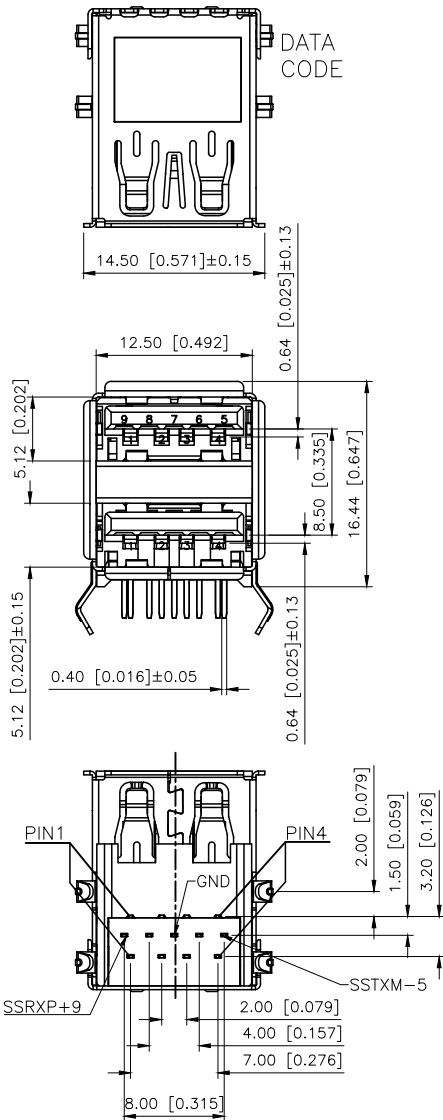


REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A		图面升级整理图面	2025.07.17	阿树



Specifications(规格):

1.Electrical performance(电气性能):

A.Voltage rating(额定电压):1.5A MIN 250V AC.

B.Contact resistance(接触电阻):50 mΩ.MAX

C.Insulation resistance(绝缘电阻):1000 MΩ MINI 300V/AC

D.Dielectric withstand voltage(电介耐电压): 500V AC 1M

2.Environmental环境性能

A.operate temperature(操作温度) -40℃ TO 85℃

3.mechanical properties(机械特性)

A.USB plug and unplug test: 200 cycles per hour, 3000 cycles of plug and unplug, No functional damage(USB插拔测试:每小时200个周期,插拔3000周期,功能无损伤).

B.USB insertion and removal force test: After 5 insertion tests, the insertion force is ≤ 35N, Pull out force ≥ 10N. Pull out force ≥ 8N after 3000 insertion and extraction tests (USB插拔力测试:对插测试5次后,插入力≤35N, 拔出力≥10N,插拔测试3000次后拔出力≥8N).

C.Salt spray for 24 hours, salt spray collection volume of 1.5mL, temperature of 35 ° C, humidity of 47% (盐雾24H,盐雾收集量1.5mL,温度35°,湿度47%).

D.The holding force between the PIN needle and the rubber core is ≥ 0.8kg(接触PIN针与胶芯保持力≥0.8kg).

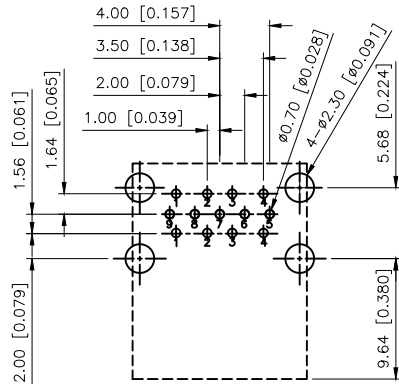
4.High temperature resistance: PBT can withstand temperatures up to 220 ° C, LCP can withstand temperatures up to 260 ° C, plastic cannot There are defects such as bubbles, glue melting, discoloration, and warping deformation within the tolerance range(耐高温: (PBT耐温220°,LCP耐温260°), 塑胶不能 有起泡,融胶等不良,变色, 翘曲变形在公差范围以内).

5.Product soldering test, with a solder adhesion area of over 95%; (产品锡焊测试, 粘锡面积达到95%以上);

6.Require compliance with USB 2.0 Association standards(要求符合USB 2.0协会标准).

U225-131N-1W155-S1

1:AU 1U"
6:AU 30U"
1:PBT
2:PA6T
3:PA9T
4:LCP
1:SPCC 5:BRASS
S:Scrolls F:Flat



RECOMMENDED P.C.B HOLE LAYOUT
TOP VIEW(TOLERANCE:±0.05)

PIN NUMBER	SIGNAL NAME
PIN 1	Vbus
PIN 2	D-
PIN 3	D+
PIN 4	GND
PIN 5	StdA_SSRX-
PIN 6	StdA_SSRX+
PIN 7	GND_DRAIN
PIN 8	StdA_SSTX-
PIN 9	StdA_SSTX+
SHELL	GND

4	Middle clip	SPCC T=0.30	Plated:Cu≥80u",Ni≥100u"
3	Shell	SPCC T=0.30	Plated:Cu≥80u",Ni≥100u"
2	Plastic	PBT	temperature resistance220°±5°
1	Terminal	C2680 T=0.20	Plated:Ni≥50u",Au:1u",Sn≥80u"
NO.	PART NAME	MATERIAL(Thick)	REMARK

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:	USB2.0+3.0
CHECKED		UNIT:	mm/in	PART NO.:	U225-131N-1W155-S1
APPROVED		SIZE:	A4	DWG NO.:	X-U225-131N-1W155-S1