

REVISIONS					
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A0	N/A		INITIAL RELEASE	/	/
A1	N/A		图面升级整理图面	2025.08.13	阿树

Material
Housing Material 胶壳材料: LCP, UL94V-0, blue
Contact Terminal 端子: Copper Alloy
Metallic Shell 外壳:SUS
Plating
Underplating 底镀: Nickel
Contact Plating 镀层: 1μ" Gold
Solder Tail 底镀: 100μ" Min. Tin
Metallic Shell 外壳镀层: Nickel
Electrical 电气
Voltage Rating 额定电压: 100 V AC
Current Rating 额定电流: 0.25A (Signal pins 2,3,5,6,7,8,9) 1.8A (Power Pins 1,4)
Contact Resistance 接触电阻: 30mΩ Max.
Insulation resistance 绝缘电阻: 1000MΩ Min.
Dielectric withstanding voltage 介电耐压: 100V AC/Minute
Mechanical 机械
Durability 拔插寿命: 5000 cycles
Mating Force 插入力: 35N (3.57Kgf) Max
Unmating Force 拔出力: 10N (1.02Kgf) Min. initial, 8N min after test
Environmental and Processing
Operating Temperature 工作温度范围: -40°C to +85°C

U231-091N-4BLRT04-F5

1:Au 1U"
2:Au 3U"
BL:BLUE
4:LCP
5:BRASS
S:Scrolls

Pin Number	Signal Name	Pin Number	Signal Name
1	VBUS	5	SSRX-
2	D-	6	SSRX+
3	D+	7	GND
4	GND	8	SSTX-
Shell	Shield	9	SSRT+

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 3.0
CHECKED		UNIT:	mm/in	PART NO.:	U231-091N-4BLRT04-F5
APPROVED		SIZE:	A4	DWG NO.:	X-U231-091N-4BLRT04-F5

SCALE	PAGE	REVISION
N/A	1/1	A1