

Product Specification [产品规格书]:	Document No	PS-5009-01
Subject [主题]: 5.00 mm Pitch Series Connector Specification	Date Issued	2023/06/30
	Date Revised	2023/06/30
	Version	A

This specification is referred to the 5.00mm series Hearer Connector

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【1.适用范围 Scope】

此种规格包括 5.00mm Pitch Series 排针连接器规格说明.

This Specification Covers the 5.00mm Pitch Series Pin Header Connector Specification.

【2.规格与料号 Spec and Part number】

规格内容 Specification	产品料号 Production No.	产品图示 Picture of Product
排针/ Pin header	5009WV-02-9TSNBR-01Q	

【3.材质与表面处理 Disposal of Material and surface】

规格内容 Specification		材质 Materials	表面处理 Disposal of Surface
排针 Pin Header	Base	PA9T	UL 94V-0
	PIN	C2600	Nickel Plated: 40u" -80u" Tin Plated: 40u"-120u"

(上述参数请以工程图为准/Please Refer to the Project drawing for the above Specification)

【4. 额定等级 Ratings and applicable wires】

项目【Item】	规格【Standard】	
额定电压 Rated Voltage (Max.)	NA	[AC/DC]
额定电流 Rated Current (Max.)	2A	
使用温度范围 Ambient temperature Range	-40°C ~ +125°C	

【*升温时含端子.Including terminal temperature rise.】

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【5.性能 PERFORMANCE】5-1. 电气的性能 Electrical Performance.

项 目 【Item】	条 件 【Test Condition】	规 格 【Requirement】
5-1-1 温升测试 Temperature test	电流 2A, 连接器热平衡后, 温升满足要求 Power current 2A, connector heat balance, temperature rise to meet the requirements	温升 < 55°C

5-2. 机械的性能 Mechanical Performance.

项 目 【Item】	条 件 【Test Condition】	规 格 【Requirement】
5-2-1 板端 Pin 针保持力 Header Pin Retention	保持力 $\geq 15\text{N}$ Retention force $\geq 15\text{ N}$	保持力 $\geq 15\text{N}$

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5-3. 环境性能及其它 Environmental Performance and Others.

项 目 【Item】	条 件 【Test Condition】	规 格 【Requirement】
5-3-1 盐雾测试 Salt Spray Test	在温度 35±2°C,盐水浓度 5±1%下,盐水喷雾 24±1 小时. 测试参考 EIA-364-26B. 24±1 hours exposure to a salt spray from the 5±1% solution at 35±2°C.refer to EIA-364-26B.	外观无异常, 无明显氧化发黑
5-3-2 焊锡耐热性 Resistance to Soldering Heat	焊接时间: 5~10 秒. 焊接温度: 255+5/-5°C. Soldering time:5~10 sec solder. Temperature:255+5/-5°C.	EIA-364-56
5-3-3 焊锡附着性 Solder-ability	焊接时间: 3~5 秒. 焊接温度: 245±5°C. Soldering Time: 3~5second. Solder Temperature: 245±5°C. (Based upon EIA-364-52)	浸渍面积需 95%以上 95% of immersed area must show no voids, pin holes.
5-3-4 环保 RoHS	依据 IEC62321-2008- RoHS 测定程序 According to iec62321-2008-ROHS procedure	RoHS
5-3-5 膜厚 Coating thickness	依据工程图纸测量标注点位置镀层厚度 Measure coating thickness at marked points according to engineering drawing	Drawing