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| Product Specification [产品规格书]: | Document No | PS-5013-01 |
| Subject [主题]: 5.00 mm Pitch Series Connector Specification | Date Issued | 2025/07/14 |
| | Date Revised | 2025/07/14 |
| | 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 | 5013W-C0202-01H00 |  |

【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 | C2680 | 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℃~+125℃ | |

【 *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℃ |

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 ≥ 15N Retention force ≥ 15 N | 保持力 ≥ 15N |

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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℃,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℃.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℃. Soldering time:5~10 sec solder. Temperature:255+5/-5℃. | 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℃. Soldering Time: 3~5second. Solder Temperature: 245±5℃. (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 |