



Product Specification [产品规格书]:	ISSUED BY: Engineering Dept	
Subject [主题]: 1.40mm Pitch 1259 Series Connector Specification	Date Issued	2014/05/21
	Date Revised	2014/05/21

This specification is referred to the 1.40mm series wire to board connector

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**【1.适用范围 Scope】**

此种规格包括 1.40mm Pitch 1259 Series 连接器规格说明.

This Specification Covers the 1.40mm Pitch 1259 Series 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
端子/Terminal	1259BT-PSN	NA
胶壳/Housing	1259HV-2*XX-N0XX	NA

**【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
端子/Terminal	磷铜/Phosphor Bronze	Nickel: Over 30μ" . Over 70μ" Sn
胶壳/Housing	PA66	UL 94V-0

(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.)	50V	[AC/DC]
额定电流 Rated Current (Max.)	1A	
使用温度范围 Ambient temperature Range	-25°C~+85°C	
适用线径 Applicable wire insulation O.D	AWG 28#~32#、 Insulation O.D. 1.00mm(Max.)	

【\*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	绝缘阻抗 Insulation Resistance	公母配合,在相邻端子,端子与地片之间,使用500V的直流电,检测连接器. Mate connectors, apply 500V DC between adjacent terminal or ground. (Based upon EIA-364-21B / MIL-STD-202 Method 302 Cond.B)	100 Megohms Min.
5-1-2	耐电压 Dielectric Strength	公母配合,在相邻端子,端子与地片之间,使用500V的交流电1分钟,检测连接器. Mate connectors, apply 500V AC for 1 minute between adjacent terminal or ground. (Based upon EIA-364-20A / MIL-STD-202 Method 301)	不出现中断等情况 No Breakdown and Flashover
5-1-3	铆线后端子接触阻抗 Contact resistance on crimped portion	铆线后之端子,开放电压20mV以下,电流10mA检测连接器. Crimp the applicable wire on to the terminal measure by dry circuit 20mV MAX, 10mA.	10 milliohms Max.



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**5-2. 机械的性能 Mechanical Performance.**

项 目 【Item】		条 件 【Test Condition】	规 格 【Requirement】			
5-2-1	端子保持力 Terminal/ Housing Retention Force	以每分 25.4±3mm 的速率,将端子从 Housing 内轴向拔出的力量. Apply axial pull out force at the speed rate of 25.4±3mm/minute on the terminal assembled in the housing.	9.8N {1.0kgf} Min.			
5-2-2	端子插入力 Terminal Insertion Force	铆线后之端子插入 Housing 所需最大力量. Insert the crimped terminal into the housing.	9.8N {1.0kgf} Max.			
5-2-3	端子压着强度 Tensile strength (Crimped connections)	固定铆线后的端子,使电线与端子分离时所需的最小力量. Fix the crimped terminal, apply axial pull out force on the wire. (Do not crimp insulation part).	AWG#	#28	#30	#32
			Spec.kgf. Min.	1.0	0.5	0.3
			Note> As for unspecified wire sizes in this specification define values with clients			



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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	耐热性 Heat Resistance	85±2°C,96 hours. (Based upon MIL-STD-202 Method 108A Cond.A)	外观 Appearance	无异状 No Damage
5-3-2	耐寒性 Cold Resistance	-25±5°C,96 hours. ( Based upon EIA-364-105)	外观 Appearance	无异状 No Damage
5-3-3	耐湿性 Humidity	温度: 40±2°C 湿度: 90~95%(RH) 持续时间: 96 hours Temperature: 40±2°C Relative Humidity: 90~95% Duration: 96 hours (Based upon EIA-364-31A/MIL-STD-202 Method 103B Cond.B)	外观 Appearance	无异状 No Damage
			耐电压 Dielectric Strength	Must meet 5-1-2
			绝缘阻抗 Insulation Resistance	100 Megohms Min.
5-3-4	盐水喷雾 Salt Spray	在温度 35±2°C,盐水浓度 5±1%下,盐水喷雾 24±1 小时. 24±1 hours exposure to a salt spray from the 5±1% solution at 35±2°C. (Based upon EIA-364-26A/MIL-STD-202 Method 101D Cond.B).	外观 Appearance	无异状 No Damage
5-3-5	焊锡附着性 Solder-ability	焊接时间: 5±0.5 秒. 焊接温度: 245±5°C. Soldering Time: 5±0.5second. Solder Temperature: 245±5°C. (Based upon EIA-364-52)	Solder Wetting	浸渍面积需 95%以上 95% of immersed area must show no voids, pin holes.