

LEOCO CORPORATION		PRODUCTION SPECIFICATION		No.	S-09-1511-0
<div>* 1.50 mm (.059") Pitch Wire to Board Connrctor Series *</div> <div>This product specification contains the test method, the general performance and requirements for 1511series and1510series ,receptacle housing ,terminal, (SMT) right angle header.</div>					
1. Construction and dimensions shall be in accordance with the referenced drawings. 产品结构 and 尺寸依据所提的产品图面					
2. Characteristics 特性: Current rating 额定电流: 1 Amp; Voltage rating 额定电压: AC 100 Volts; Temperature rating 额定温度: -25℃ ~ +85℃					
3. Electrical performance 电气特性:					
Item 项目	Description 内容	Test Method & Condition 测试方法及条件		Requirement 要求	
3-1	Contact Resistance 接触阻抗	Mate connectors,measure by dry circuit,20m V max.,10Ma.(Based upon JIS C5402 5.4)		20 MΩ max.	
3-2	Insulation Resistance 绝缘电阻	Mate connectors,apply 500V DC between adjacent terminal or ground.(Based upon JIS C5402 5.2/MIL-STD-202 Method 302 Cond.B)		500 MΩ min.	
3-3	Dielectric Withstanding Voltage 耐电压	Mate connectors,apply 500V AC(rms) for 1 Minute between adjacent terminal or ground.(Based upon JIS C5402 5.1/MIL-STD-202 Method 301)		No evidence of break-Down and flashover	
4. Mechanical Performance 机械特性 :					
Item 项目	Description 内容	Test Method & Condition 测试方法及条件		Requirement 要求	
4-1	Post retention force 保持力	At a constant speed of 25 mm/minute.		0.7kgf min.	
4-2	Durability 耐久性	When mated up to 50 cycles repeatedly by the rate of 10 cycles per minute	Contact Resistance	40 mΩ max.	
4-3	Vibration 振动性	Amplitude: 1.5mm P-P Sweep time: 10-55-10Hz in 1 minute Duration: 2 hours in each X.Y.Z.axes(Based upon MIL-STD-202 METHOD 201A)	Appearance	No Damage	
			Contact Resistance	40 mΩ max.	
			Discontinuity	1usec.max.	
4-4	Physical Shock 冲击测试	50G, each 3 times for X,Y&Z Directions Applying 0-1 A-DC	Appearance	No Damage	
			Contact Resistance	40 mΩ max.	
			Discontinuity	1usec.max.	

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5. Environmental Performance 环境特性：					
Item 项目	Description 内容	Test Method & Condition 测试方法及条件		Requirement 要求	
5-1	Salt Spray 盐雾测试	Connector shall be tested in accordance with method 1001.1 of MIL-STD-1344A condition B. Temperature: 35±2 °C Density: 5 % in weight. Period: 48 hours.		NO damage. Contact resistance less than twice of initial.	
5-2	Solderability 着锡性	Connector termination ends shall be checked for solderadility in accordance with method 208 of MIL-STD-202F. Solder temperature: 245±5 °C Immersion period: 5±0.5 sec.		NO damage. Minimum: 95 % of immersed area.	
5-3	Resistance to Soldering Heat 耐高温焊接	Specimen shall be mounted on PCB. Solder temperature: 255±5 °C Immersion period: 5±0.5 sec.		NO damage and deformation.	

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6. Mating force and unmating force:			Unit: kgf
Number of Circuits	Mating Force	Unmating Force	
2	2.5	0.40	
3	3.0	0.50	
4	3.5	0.60	
5	4.0	0.70	
6	4.5	0.80	
7	5.0	0.80	
8	5.5	0.90	
9	6.0	0.90	
10	6.5	1.00	
11	7.0	1.00	
12	7.5	1.20	
13	8.0	1.20	
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