

LEOCO CORPORATION		PRODUCTION SPECIFICATION		No.	S-25-2526	Rev.	1
* 2.5mm Pitch Nano Fit *							
This product specification contains the test method, the general performance and requirements for interconnection system connector. With 2526 series.							
1. Construction and dimensions shall be in accordance with the referenced drawings 尺寸与结构依据所提供的图面							
2. Characteristics 特性: Current rating 额定电流: 6.5 A AC/ DC Voltage rating 额定电压: 250V AC/ DC Temperature rating 额定温度: -40℃ ~ +105℃ Applicable wire 适用的线: conductor construction size #20 ~ #26							
3. Electrical performance 电气性能:							
Item 项目	Description 内容	Test Method & Condition 测试方法及条件			Requirement 需求		
3-1	Contact Resistance 接触阻抗	It should be tested in accordance with method EIA-364-23			Initial: 10 mΩ max.		
3-2	Insulation Resistance 绝缘阻抗	It should be tested in accordance with Method EIA-364-21.			Initial: 1000MΩ min.		
3-3	Dielectric Withstanding Voltage 耐电压	Unmated connectors shall be tested in Accordance with method B EIA-364-20 when the 1500V AC for one minute applied between adjacent contacts.			No breakdown current leakage<5mA		
4. Mechanical Performance 机械性能 :							
4-1	Crimp Tensile Strength 铆合拉力强度	EIA-364-37, Pulling load shall be applied between Correctly crimped contact and wire at a constant speed.pulling speed: 25±6 mm /minute.			AWG #20: 57.9 N min. AWG #22: 35.6 N min. AWG #24: 22.3 N min. AWG #26: 13.4 N min.		
4-2	Contact Insertion Force 接触插入力	Apply axial pull in force at the speed rate of 25±3 mm / minute.			15N max.		
4-3	Contact removal Force 接触拔出力	Apply axial pull out force at the speed rate of 25±3 mm / minute.			20N min		
4-4	Pin Retention Force 保持力	Push Pin form insulator base at speed 25±3mm Per minute			15N min.		

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4-5	Insertion Force 插入力	Housing with contact mating header at a constant speed of 25±3 mm / minute.			3.5N/P Max		
4-6	Withdrawal Force 拔出力	Mated connector,pull out the header from housing at speed of 25±3 mm / minute.			1.0N/P Min		
4-7	Durability 耐久性	Mate connectors at a Max rate of 10 cycles per minute prior to environmental tests. 30 cycles.			10 milliohms Max change from initial. Visual : no damage.		
5. Environmental Performance 环境测试：							
5-1	Salt Spray 盐雾测试	Connector shall be tested in accordance with method EIA-364-26 Temperature:35±2℃ Density:5±1% in weight. Period:24±4 hiours.			No damage. 10 milliohms Max change from initial		
5-2	Solderability 着锡性	Connector termination ends shall be checked for solderadility in accordance with method EIA-364-52. Solder temperature: 245±5 °C Immersion period: 5±0.5 s.			Minimum: 95 % of immersed area.		
5-3	Resistance to Soldering Heat (Wave) 耐焊锡热（波峰焊）	Specimen shall be mounted on PCB. Solder temperature: 260±5 °C Immersion period: 5±0.5 s.			NO damage and deformation.		
5-4	Resistance to Soldering Heat (Reflow) 耐焊锡热（回流焊）	Specimen shall be mounted on PCB. Solder temperature: 260±5 °C Immersion period: 10~15 s.			NO damage and deformation.		
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