

<b>LEOCO CORPORATION</b>	<b>PRODUCTION SPECIFICATION</b>	<b>No.</b>	<b>S-17-0810</b>	<b>Rev</b>	<b>1</b>
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\* 0810 SERIES CONNECTOR \*

This product specification contains the test method, the general performance and requirements for interconnection systems connector with 0810 series Connector .

1. Construction and dimensions shall be in accordance with the referenced drawings.  
产品结构和尺寸依据所提的产品图面
2. Characteristics 特性:  
Current rating 额定电流: 1.0 A (2/4Pin) AC/DC  
Voltage rating 额定电压 : 30V AC/DC  
Temperature rating 额定温度: -25℃ ~ +85℃  
Applicable wire 适用的线: AWG 32(UL10625 & UL10064)
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	It should be tested in accordance with method EIA-364-23	Initial : 20 mΩ max.
3-2	Insulation Resistance 绝缘电阻	It should be. tested in accordance with method EIA-364-21	Initial : 100 MΩ min.
3-3	Dielectric withstanding Voltage 耐电压	Unmated connector shall be tested in accordance with method EIA-364-20 When the AC 250V rms for one minute applied between adjacent contacts.	No evidence of breakdown and flashover,
3-4	Temperature Rise 温升	Apply specified current to contacts connected in series. Measure change of temperature on contact using thermocouples or 4 hours. The ambient condition is still air at 25℃ Test Method: EIA-364-70B Method 1 Condition 3	Temperature rise value: 30℃ (Max.)

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	Mating Force 插入力	Measure force necessary to mate between the counterpart connectors. Testing speed: 25±3mm / minute. Testing Method: EIA-364-13	2pin: 1.5kgf max. 4pin: 2.0kgf max.
4-2	Un-mating Force 保持力	Measure force necessary to unmate between the counterpart connectors. Testing speed: 25±3mm / minute. Testing Method: EIA-364-13	2pin: 0.15kgf min. 4pin: 0.20kgf min.
4-3	Wire Retention 线端保持力	Pulling load shall be applied to a correctly terminated wire in parallel and perpendicular directions. The load to pull the wire out of the socket or break the wire shall be measured. Testing speed: 25±3mm / minute.	Parallel: 0.40kgf min. Perpendicular: 0.50kgf min.

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Item 项目	Description 内容	Test Method & Condition 测试方法及条件		Requirement 要求			
4-4	Post retention Force 保持力	. The end of a post shall be pushed in a perpendicular to base housing at a constant speed of 25mm/minute.		0.1kgf min			
4-5	Durability 耐久力	It should be tested in accordance with method EIA-364-09 Connector shall be subjected to 100 cycles Of insertion and withdrawal.		No defects. Contact resistance:Less than twice of initial			
4-6	Vibration 振动性	The connector mated PCB shall be vibrated in accordance with method EIA-364-28 tested condition B. There shall be no current discontinuity longer than 1 microsecond during the test. Frequency:10-55-10 Hz/min. Amplitude: 1.52mm Period:2 hours for each direction.		No evidence of loosening of parts or electric discontinuity. Contact resistance less than twice of initial.			
5. Environmental Performance 环境特性:							
5-1	Humidity 耐湿性	The unmated connector shall be tested in accordance with method EIA-364-31 test procedure type I condition B. Temperature:60±2℃ Humidity:90-95% (RH), Period:96 hours		No damage. Contact resistance: Less than twice of Initial. Insulation resistance: paragraph.3-2. Dielectric withstanding voltage: to pass paragraph 3-3.			
5-2	Salt Spray 盐雾测试	connector shall be tested in accordance with method EIA-364-26 Temperature:35±2℃ Density: 5% in weight. Period:48hours		No damage Contact resistance: Less than twice of initial.			
5-3	Solder ability 着锡性	Connector termination ends shall be checked for solder ability in accordance with method EIA-364-52 Solder temperature:245±2℃ Immersion period:3±0.5sec.		No damage Minimum:95% of immersed area.			
5-4	Resistance to soldering heat 耐高温焊接	Specimen shall be mounted on PCB. Solder temperature:260℃ Max Immersion period:10sec Max		No damage and deformation.			
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