

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-96-2512-5
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* 2512 Series Board in Connector System *

This product specification contains the test method, the general performance and requirements For board in connector.

With 2512 series socket and mates with 2512 series crimp board in terminal.

1. Construction and dimensions shall be in accordance with the referenced drawings.

产品结构及尺寸依据所提供的图面。

2. Characteristics 特性 :

Current rating 额定电流: 3 A AC,DC

Voltage rating 额定电压: 250V AC,DC

Temperature rating 额定温度: -40°C ~ +105°C

Applicable wire 适用的线: conductor construction size #22 ~ #28

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: 20 mΩ max. After environmental Test: 40 mΩ max.
3-2	Insulation Resistance 绝缘阻抗	It should be tested in accordance with Method EIA-364-21	Initial: 1000 MΩ min. After humidity test 500 MΩ min.
3-3	Dielectric Withstanding Voltage 耐电压	Unmated connectors shall be tested in accordance with method EIA-364-20. When the AC 1000 V rms for one minute applied between adjacent contacts.	No evidence of break-down and flashover

4. Mechanical Performance 机械性能 :

Item 项目	Description 内容	Test Method & Condition 测试方法及条件	Requirement 需求
4-1	Crimp Tensile Strength 铆合张力强度	Pulling load shall be applied between correctly crimped contact and wire at a constant speed. Pulling speed: 25 mm / minute.	AWG #22: 4.0 kgf min. AWG #24: 2.5kgf min. AWG #26: 1.5 kgf min. AWG #28: 1.0 kgf min.
4-2	Contact Insertion Force 接触插入力	The force required to insert a contact into a housing. Inserting speed: 25 mm / minute.	1.1 kgf max.
4-3	Contact removal Force 接触拔出力	Crimped contact mounted in a housing shall be pulled in an alignment at a constant speed of 25 mm / minute.	1.5Kgf min.

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5. Environmental Performance 环境性能 :

Item 项目	Description 内容	Test Method & Condition 测试方法及条件	Requirement 需求
5-1	Solderability 着锡性	Connector termination ends shall be checked for solderability in accordance with method EIA-364-252. Solder temperature: 245±5 °C Immersion period: 5±0.5 sec.	NO damage. Minimum: 95 % of immersed area.
5-2	Resistance to Soldering Heat 耐高温焊接	Specimen shall be mounted on PCB. Solder temperature: 260±5 °C Immersion period: 5±0.5 sec.	NO damage and deformation.

APPR BY:

CHKD BY:

SPEC BY:SMILE