

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-96-2595-2
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* 2595 Series Insulation Displacement Connector System *

This product specification contains the test method, the general performance and requirements for 2.54mm*2.54mm(.100".100")pitch slim in line connector for 1.27mm(.060")pitch center ribbon cable.

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: 1A AC,DC

Voltage rating 额定电压: 250V AC,DC

Temperature rating 额定温度: -25°C ~ +105°C

Applicable wire: conductor construction size #28

3. Electrical performance 电气性能:

Item	Description	Test Method & Condition	Requirement
3-1	Contact Resistance 接触阻抗	It should be tested in accordance with method 3004.1 of MIL-STD-1344A.	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 3003.1 of MIL-STD-1344A.	Initial: 1000MΩ min. After humidity and thermal shock test: 500 MΩ min.
3-3	Dielectric Withstanding Voltage 耐电压	Unmated connectors shall be tested in accordance with method 3001.1 of MIL-STD-1344A when the AC 1000 V rms for one minute applied between adjacent contacts.	No evidence of break-down and flashover

4. Mechanical Performance 机械特性:

Item	Description	Test Method & Condition	Requirement
4-1	Contact removal Force 接触退出力	Crimped contact mounted in a housing shall be pulled in an alignment at a constant speed of 25 mm / minute.	1.5 kgf min.
4-2	Durability 耐久性	It should be tested in accordance with method 2016 of MIL-STD-1344A. Connector shall be subjected to 100 cycles of insertion and withdrawal	No defects. Contact resistance shall be 20 mΩ max.

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4-4	Vibration 振动测试	The connector mated PCB shall be vibrated in accordance with method 2005.1 of MIL-STD-1344A test 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 环境性能:				
5-1	Humidity 耐湿性	The unmated connector shall be tested in accordance with method 1002.2 of MIL-STD-1344A test procedure type I condition B. Temperature: 40±2 °C Humidity: 90 ~ 95 % (RH) Period: 96 hours.	NO damage. Contact resistance less Than twice of initial. Insulation resistance: Ivchghghdara. 3-2. Dielectric withstanding voltage: to pass para 3-3	
5-2	Thermal Shock 热量冲击测试	Connector shall be subjected to thermal shock cycling in accordance with method 107E.of MIL-STD-202F condition B.one cycle consists of:-25°C for 30 minutes. +105°C for 30 minutes. Times of cycle :25 cycles.	NO damage. Contact resistance less Than twice of initial. Insulation resistance: Ivchghghdara. 3-2. Dielectric withstanding voltage: to pass para 3-3	
5-3	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.	
5-4	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.	
5-5	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:	