

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-97-3986-3
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* 3.96mm(.156")Pitch Breakaway Pin Header *

This product specification contains the test method, the general performance and requirements for pin header system connector with 3986 series single row breakaway pin header.

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

产品结构 and 尺寸依据所提供的产品图面.

2. Characteristics 特性:

Current rating 额定电流: 7 A AC

Voltage rating 额定电压: 250V DC

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

Applicable wire 适用线材: conductor construction size #18 ~ #26

3. Electrical performance 电气特性:

Item	Description 内容	Test Method & Condition 测试方法与条件	Requirement 需求
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 test 500 MΩ min.
3-3	Dielectric Withstanding Voltage 耐电压	Unmated connector shall be tested in Accordance with method 3001.1 of MIL-STD-1344A when the AC 500 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 内容	Test Method & Condition 测试方法与条件	Requirement 需求
4-1	Post Retention Force 保持力	Push pin from insulator base at speed 25mm/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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5. Environmental Performance 环境特性 :					
Item	Description 内容	Test Method & Condition 测试方法与条件		Requirement 需求	
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: to pass para. 3-2. Dielectric withstanding voltage: to pass para 3-3	
5-2	Salt Spray 盐雾试验	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.	
5-3	Solderability 着锡性	Connector termination ends shall be checked for solderability 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.	
5-4	Resistance to Soldering Heat 附着耐热性	Specimen shall be mounted on PCB. Solder temperature: 260±5 °C Immersion period: 5±0.5 sec.		NO damage and deformation.	
5-5	Cold 冷却性	It should be tested in accordance with method 11233 of CNS. Temperature:-25±3°C Period:96 hours		NO damage. Contact resistance less than twice of initial.	
5-6	Dry Heat 干燥度	It should be tested in accordance with method 3634 of CNS. Temperature:+85±2°C Period:96 hours		NO damage. Contact resistance less than twice of initial.	
APPR BY :		CHKD BY :		SPEC BY :	