

LEOCO CORPORATION		PRODUCTION SPECIFICATION	No.	S-97-3986-3
<div>*3.96mm(.156")Pitch Breakaway Pin Header*</div> <div>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.</div>				
<div>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.</div> <div>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℃ ~ +105℃ Applicable wire 适用线材: conductor construction size #18 ~ #26</div> <div>3. Electrical performance 电气特性:</div>				
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
<div>4. Mechanical Performance 机械特性 :</div>				
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 withstand- ing 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℃ 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℃ Period:96 hours	NO damage. Contact resistance less than twice of initial.	
APPR BY：		CHKD BY：	SPEC BY：	