

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-05-1007-4
-------------------	--------------------------	-----	-------------

\* 1007 Series FPC/FFC connector \*

This product specification contains the test method, the following datum are the general performance and requirements of the LEOCO 1007 series FPC/FFC connector.

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

产品结构 and 尺寸依据所提的产品图面

2. Characteristics 特性:

Current rating 额定电流: 0.5 A AC DC

Voltage rating 额定电压: 50V AC RMS

Temperature rating 额定温度: -20°C ~ +85°C

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 3004.1 of MIL-STD-1344A.	20 mΩ max. Initial. After test 30 mΩ max.
3-2	Insulation Resistance 绝缘阻抗	In accordance with MIL-STD-202F method 302, DC 500 V shall be applied between contacts and between an individual contact and a case for one minute.	500 MΩ min initial. After test 100 MΩ min.
3-3	Dielectric Withstanding Voltage 耐电压	In accordance with MIL-STD-202F method 301, AC 500 V shall be applied between contacts and between an individual contact and a case for one minute. (leak current 2mA)	Neither flashover sparkover nor dielectric breakdown.

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	Terminal Retention Force 端子保持力	Apply axial pull out force at the speed: 25 mm / minute on the terminal assembled is the housing.	3N Min.
4-2	FPC/FFC Insertion Force FPC 插入力	Inserting speed: 25 mm/minute.	(1.96×n)N Max.
4-3	FPC/FFC Remove Force FPC 保持力	Pulling speed of 25 mm/minute.	(0.2×n)N Min.

LEOCO CORPORATION		PRODUCTION SPECIFICATION		No.	S-05-1007-4
5. Environmental Performance 环境特性 :					
Item 项目	Description 内容	Test Method & Condition 测试方法及条件		Requirement 要求	
5-1	Humidity 耐湿性	MIL- STD-1344 A method 1002.2 type I condition B. Temperature: 40±2 °C Humidity: 90 ~ 95 % (RH) Period: 48 hours.		NO damage. Contact resistance less than twice of initial. Insulation resistance more than 50 MΩ	
5-2	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.	
5-3	Solder ability 可焊性	Connector termination ends shall be checked for solder ability in accordance with method 208 of MIL-STD-202F. Solder temperature: 250±5 °C Immersion period: 5±0.5 sec.		NO damage. Minimum: 95 % of immersed area.	
5-4	Resistance soldering heat to	Evaluate under the condition: Soldering pot: 260±5°C, Soldering time: 5±0.5S		NO damage which may affect the performance.	
5-5	Temperature Cycling 冷热冲击测试	Five cycles of the following: a) -55±3 °C 30 minutes b) Normal temperature 10~15 minutes c) 85±3 °C 30 minutes d) Normal temperature 10~15 minutes		NO damage. Contact resistance less than twice of initial.	
APPR BY : CHARD		CHKD BY : TOPMOON		SPEC BY : ANGEL	