LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-00-1057	REV	3

＊ 1057 (SIDE ENTRY SMT TYPE)SERIES CONNECTER SYSTEM ＊

This specification contains the testing methods, the general performance and requirement for interconnection system connector which applied to 1.00mm (.039")ZIF/FPC series connector.

1. Constructions and dimensions shall be in accordance with the drawings attached.
   产品结构和尺寸依据所提的产品图面
2. Characteristics 特性:
   Current rating 额定电流: 0.5A AC/DC
   Voltage rating 额定电压: 50V AC/DC
   Temperature rating 额定温度: -25℃ to +85℃.

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 EIA-364-23A	20 mΩ max.
3-2	Insulation Resistance 绝缘电阻	It should be tested in accordance with method EIA-364-21B	500MΩ min.
3-3	Dielectric Withstanding Voltage 耐电压	Unmated connector shall be tested in accordance with methoEIA-364-20A.When the DC 500V rms for one minute applied between adjacent contacts.	No evidence of break down and flash over.

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	Extraction force 拔出力	Pull out slider at the speed of 25mm/minute.	2.4+(0.15*n)kgf (max.) n=3~30circuits
4-2	FPC/FFC retention force FPC 保持力	Pull out FPC/FFC connector at the speed of 25mm/minute.	0.15+(0.05*n)kgf (min.) n=3~9circuits
			0.4+(0.05*n)kgf (min.) n=10~30circuits
4-3	Terminal retention force 端子保持力	Apply axial pull out force at the speed of 25mm/minute on the assembly in the housing.	0.6kgf/pcs (min.)

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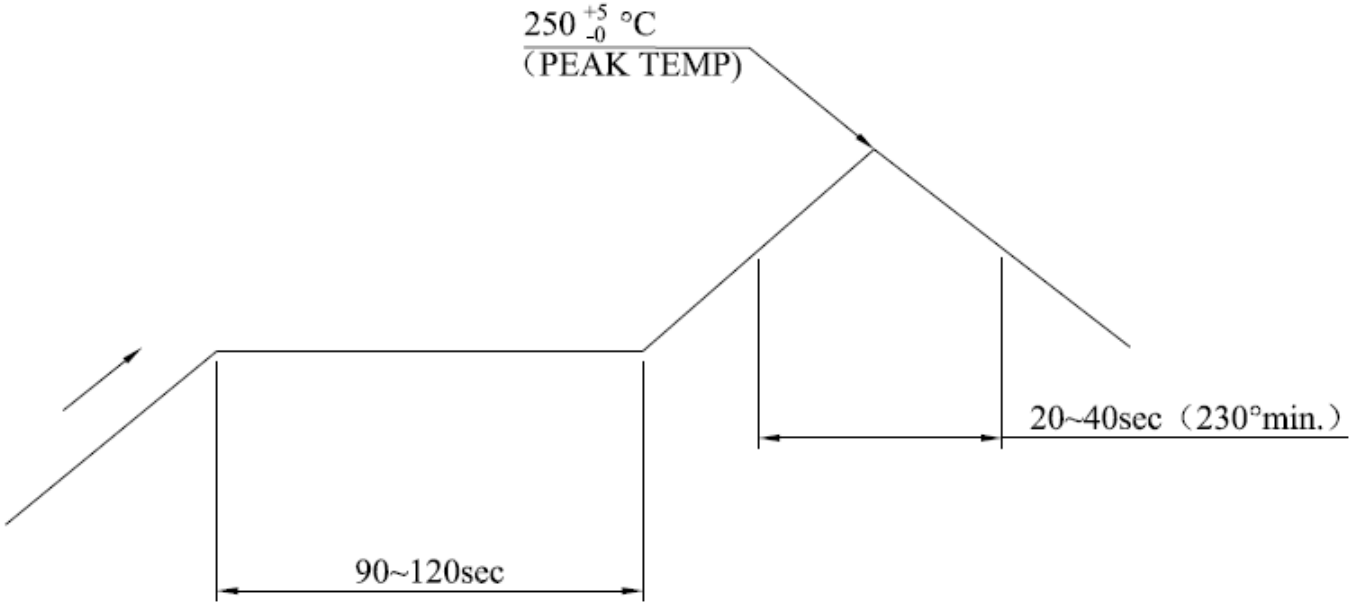
5.Environmental Performance 环境特性:

Item 项目	Description 内容	Test Method & Condition 测试方法及条件	Requirement 要求
5-1	Durability 耐久性	It should be tested in accordance with method EIA-364-09B Connector shall be subjected to 30 cycles of insertion and withdrawal	No defect. Contact resistance shall be 40mΩ max.
5-2	Humidity 耐湿性	The unmated connector shall be tested in accordance with method EIA-364-31 Temperature :40±2℃ Humidity:90% (rh) Period: 96 hours	No Damage Contact resistance shall be not more than 40 mΩ and Insulation resistance shall be not less than 500MΩ.
5-3	Thermal shock 热冲击性	Connector shall be subjected to thermal shock cycling in accordance with EIA-364-32B One cycle consists of: +85℃±3℃ for 30 min. -55℃±2℃ for 30 min. Time of cycle:5cycles	No defect. Contact resistance less than twice of initial.
5-4	Salt Spray 盐雾测试	Connector shall be tested in accordance with method EIA-364-26A Temperature:35±2℃ Density: 5±1% in weight Period: 48 hours.	No damage. Contact resistance less than40 mΩ.
5-5	Solder ability 可焊性	Connector termination end shall be checked for solder ability in accordance with method EIA-364-52 Solder temperature:245±5℃ Immersion period: 5±0.5sec	No damage. Minimum: 90% of immersed area.
5-6	Resistance to Soldering Heat 耐高温焊接	Specimen shall be mounted on PCB. Solder temperature:260±5℃ Immersion period:5±0.5sec	No damage and deformation .

6. Infrared Reflow Condition:



TEMPERATURE CONDITION GRAPH

(TEMPERATURE ON THE SURFACE OF P.C.BOARD PATTERN)

NOTE: Please check the reflow soldering condition by your own devices beforehand.
Because the condition changes by the soldering devices， P.C.Boards， and so on.