

<b>p LEOCO CORPORATION</b>	<b>PRODUCTION SPECIFICATION</b>	<b>No.</b>	<b>S-90-2045</b>	<b>Rev</b>	<b>2</b>
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\* 2045 SERIES CONNECTORS SYSTEM \*

This specification describes the characteristics, test condition and particular sanctions applicable to LEOCO 2045 series dual row PCB Mounted Connector Socket.

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: 1A AC DC

Voltage rating 额定电压 : 125V AC DC

Operating Temperature 适用温度: -25°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 EIA-364-23	Initial: 30mΩ (max.)
3-2	Insulation Resistance 绝缘电阻	It should be. tested in accordance with method EIA-364-21	Initial: 1000 MΩ (min.)
3-3	Dielectric withstanding Voltage 耐电压	Unmated connector shall be tested in accordance with method EIA-364-20 When the AC 500V rms for one minute applied between adjacent contacts.	No evidence of breakdown 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	Wire size 线径	1.00mm(.039") ribbon cable	Accepts AWG #28
4.2	Cable Retention with out strain relief (upper housing retention) Cable(不含反折盖)保持力	An axial force is applied to the cable at the rate of 25mm per minute till the upper housing is removed from the lower housing	0.25kgf per contact (min)
4.3	Terminal retention force 端子保持力	Push the terminal from insulator base at speed 25±3 mm per minute (EIA-364-29)	0.2kgf per contact (min)
4.4	Insertion Force 插入力	The force required to insert and withdraw (male to female) speed: 25±3 mm /minute. (EIA-364-13)	0.2kgf per contact (max)
4.5	Withdrawal Force 拔出力	The force required to insert and withdraw (male to female) speed: 25±3 mm /minute. (EIA-364-13)	0.04kgf per contact(min.)
4.6	Strain relief retention (Optional) 反折盖保持力	An axial force is applied to the cable at the rate of 25mm per minute till the strain relief is removed from the lower housing	7.5kgf (min)

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4.5	Durability 耐久性	When mated up to 60cycles by the rate of 10 cycles per minute. (EIA-364-09)		Contact resistance: less than twice of initial			
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	Temperature rise 温升测试	Mate header with receptacle, steady state 2A DC current is applied for 96 hours (EIA-364-70)		30 °C (max.) over			
5.2	Vibration 振动性	1.5mm 10-55-10HZ/minute each 1 hours for X,Y and Z directions (EIA-364-28)		Discontinuity:1 micro second max. Appearance: no damage			
5.3	Humidity 耐湿性	40+/-2 Deg.C,90-95% RH, 96 HRS Measurement must be Taken within 30 min. after tested (EIA-364-31)		Contact resistance:Less than twice of initial.			
				Dielectric strength:To pass para 3-1			
				Appearance: No damage			
5.4	Temperature Cycling 温度循环测试	One cycle consists of: (1)-25+/-3 Deg. C 30 min (2)Room Temp. 10-15 min (3)85+/-2 Deg. C 30 min (4) Room Temp. 10-15 min (EIA-364-32)		Appearance: No damage			
				Contact resistance: Less than twice of initial			
5.5	Salt Spray 盐雾测试	Temp:35+/-3 Deg. C Solution:5+/-1% Spray Time:24+/-4 hours. Measurement must be taken After water rince. (EIA-364-26)		Appearance: No damage			
				Contact resistance: Less than twice of initial			
				Contact resistance: Less than twice of initial			
6. Environmental Protection 环保: RoHS Compliance							
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