

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-90-2046-1
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* 2046 SERIES CONNECTORS SYSTEM *

This specification describes the characteristics ,test condition and particular sanctions applicable to LEOCO 2046 series Connector Socket.

1. Electrical performance 电气特性:

ITEM 项目	DESCRIPTION 内容	TEST CONDITION 测试条件	REQUIREMENT 需求
1.1	Rated voltage And current 额定电压和电流	—	AC 250 V 1A DC 250 V 1A
1.2	Contact Resistance 接触阻抗	Dry circuit of DC 50mV 50Ma max	30 miliohms max.
1.3	Dielectric Strength 耐电压	When applied AC 500V 1 minute Between adjacent terminal	No change
1.4	Insulation Resistance 绝缘阻抗	When applied DC 500V between adjacent terminal or ground	1000 Megaohms min

2. Mechanical Performance 机械特性 :

ITEM 项目	DESCRIPTION 内容	TEST CONDITION 测试条件	REQUIREMENT 需求
2.1	Wire size 线径	1.00mm(.039") ribbon cable	Accepts AWG #28
2.2	Terminal retention force 端子保持力	retention speed 25+/-3 mm from housing per minute	1.0kgs min
2.3	Insertion Force 插入力	Connector socket with terminal mating header at speed 25+/-3 mm per minute. (housing lock should be removed before test)	200 gram per contact (max)
2.4	Withdrawal Force 拔出力	Connector socket pull out from header under same condition as above.(lock should be removed)	30 gram per contact(min.)
2.5	Durability 耐久性	When mated up to 60cycles by the rare of 10 cycles per minute.	Contact resistance: less than twice of initial

3. Environmental Performance 环境特性 :

ITEM 项目	DESCRIPTION 内容	TEST CONDITION 测试条件	REQUIREMENT 需求
3.1	Temperature rise 温升测试	Then carried the rated current	30 Deg. C max.
3.2	Vibration 振动性	1.5mm 10-55-10HZ/minute each 2 hours for X,Y and Z directions	Discontinuity:1 micro second max. Appearance: no damage

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Item 项目	Description 内容	Test Method & Condition 测试方法及条件	Requirement 需求	
3.3	Shock 冲击测试	50G, each 3 times for X,Y&Z Directions Appling 0-1 A-DC	Discontinuty:1 micro second Max. Appearance: no damage	
3.4	Solderability 着锡性	Soldering time:5+/-0.5 second. Soldering pot:245+/-5 Deg C	Mininum:75% of Immersed area.	
3.5	Resistance to Soldering heat 耐高温焊接	Solder time:5+/-0.5 second. Solder pot:260+/-5 Deg C	No damage	
3.6	Heat aging 热老化测试	85+/-2 Deg.C,500 hours	No damage	
3.7	Humidity 耐湿性	40+/-2 Deg.C,90-95% RH, 96 HRS Measurement must be Taken within 30 min. after tested	Contact resistance: Less than twice of initial.	
			Dielectric strength: To pass para 1-3	
			Appearance: No damage	
3.8	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	Appearance: No damage	
			Contact resistance: Less than twice of initial	
3.9	Salt Spray 盐雾测试	Temp:35+/-3 Deg. C Solution:5+/-1% Spray Time:48+/-4 hours. Measurement must be taken After water rince.	Appearance: No damage	
			Contact resistance: Less than twice of initial	
3.10	S02 Gas 耐酸性	24 hours in sulfur dioxide gas (S02) 50+/-5PPM at 40+/-2 deg.C	Contact resistance: Less than twice of initial	
3.11	NH4 GAS 耐碱性	40 Minutes in saturated ammonia gas by 28% liquid ammonia at 25+/-2 DEG.C	Appearance: No damage	
			Contact resistance: Less than twice of initial	
4.AMBIENT TEMPERATURE RANGE 温度范围:-25 TO +85 degree C.				
5.CONSTRUCTION AND DIMENTIONAL 结构与尺寸:See attached drawings.				

6.ORDERING INFORMATION 排序资料：

<u>2046P</u>	<u>44</u>	<u>*</u>	<u>U</u>	<u>T0</u>
1	2	3	4	5

- 1. Series NO.
- 2. No. of circuits
- 3. V=Straight angle
H= Right angle
- 4. Plating:(Selective gold plated)
T=Tin plated 100u” over 30~50u” nickel overall
U=Gold flash over 30~50 u” nickel overall
- 5. Special options
T0=Insulator:PA6T+30% Glass Fiber(UL94V-0)