

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-90-2635-1
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* 2635 SERIES ZIF FPC CONNECTOR SYSTEM *

This specification describes the characteristics, test condition and particular sanctions applicable to LEOCO 2635 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 200V 1A DC 200V 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 机械性能 :

ITEM 项目	DESCRIPTION 内容	TEST CONDITION 测试条件	REQUIREMENT 需求
2.1	Terminal retention Force 端子保持力	Pull out speed 25+/-3mm per Minute from connector housing	1.0 kgs per contact (min.)

3. Environmental Performance :

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
3.3	Shock 冲击性	50G, each 3 times for X,Y and Z directions Appling 0-1 A-DC	Discontinuity:1 micro second max. Appearance:no damage

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ITEM 项目	DESCRIPTION 内容	TEST CONDITION 测试条件		REQUIREMENT 需求	
3.4	Solderability 着锡性	Soldering time: 5+/-0.5 second. Soldering pot: 245+/-5 Deg C		Minimum: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.	
				Dielectrice 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 inital	
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 inital	
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 inital	
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 inital	
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.					
APPR BY:		CHKD BY:		SPEC BY:	