

LEOCO CORPORATION	PRODUCT SPECIFICATION	No.	S-95-1055-1
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* 1055 SERIES SIDE ZIF FPC CONNECTOR SYSTEM *

This specification describes the characteristics, test condition and particular sanctions applicable to LEOCO 1055 series connector socket.

1. Electrical performance 电气特性:

ITEM	DESCRIPTION 内容	TEST METHODS&CONDITION 测试方法与条件	REQUIREMENT 需 求
1.1	Rated voltage And current 额定电压和电流	-	AC 200 V 0.5A
1.2	Contact Resistance 接触阻抗	MIL-STD-1344A method 3002.1 contact resistance for mated pairs of socket contact F.P.C shall be measured by ammeter potentiometer method	20 m Ω max.
1.3	Dielectric withstanding Strength 耐电压	MIL-STD-1344A method 3001.1 when applied AC 500 V 1 minute between adjacent terminal	No damage
1.4	Insulation Resistance 绝缘电阻	MIL-STD-1344A method 3003.1 when applied AC 500 V 1 minute between adjacent terminal	1000 MΩ min

2. Mechanical Performance 机械特性 :

ITEM	DESCRIPTION 内容	TEST METHODS&CONDITION 测试方法与条件	REQUIREMENT 需 求
2.1	Contact retention force 接触保持力	MIL-STD-1344A method 2014 Pull out speed 25+/-3 mm per minute from connector housing	0.6 kg per contact (min)
2.2	F.P.C retention force F.P.C 保持力	MIL-STD-1344A method 2014 Pull out speed 25+/-3 mm per minute from connector terminal	70 g per contact (min)

3. Environmental Performance 环境特性 :

ITEM	DESCRIPTION 内容	TEST METHODS&CONDITION 测试方法与条件	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	MIL-STD-1344A method 2005.1 test condition IV Amplitude : 1.52 mm Frequency: 10-200 HZ Sweep time: 20 minute Duration :each 4 hours for X,Y &Z directions.	Discontinuity:1 us max. Appearance:no damage

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3.3	Shock 冲击性	MIL-STD-1344A method 2004.1 50G, each 3 times for X,Y&Z Directions		Discontinuity:1 us max. Appearance:no damage	
3-4	Solderability 着锡性	MIL-STD-202F method 208F Soldering time:5+/-0.5 second. Soldering pot:245+/-5 Deg C		Minimum:90% of Immersed area.	
3-5	Humidity 耐湿性	MIL-STD-1344A method 1002.2 type I test condition D Length of test: 96 hours Relative humidity : 90-95% Temperature: 40+/-2 °C		Contact resistance: Less than twice of initial.	
				Insulation resistance : 100 MΩ min	
				Appearance: No damage	
3-6	Temperature Cycling 温度循环	MIL-STD-1344A method 1003.1 test condition A (1)-55+/-3 Deg. C 30 min (2)Room Temp. 3-5 min (3)85+/-2 Deg. C 30 min (4) Room Temp. 3-5 min		Appearance: No damage	
				Contact resistance: Less than twice of initial	
				insulation resistance : 5000 MΩ min	
3-7	Salt Spray 盐雾测试	MIL-STD-1344A method 1001.1 test condition B Temp:35+/-3 Deg. C Solution:5+/-1% Spray Time:48+/-4 hours.		Appearance: No damage	
				Contact resistance: Less than twice of initial	
4.AMBIENT TEMPERATURE RANGE:-5 TO +35 degree C.					
5.OPERATING TEMPERATURE RANGE: -25 to +85 °C					
6.STORE TEMPERATURE RANGE: -25 to +85 °C					
5.CONSTRUCTION AND DIMENSIONAL: See attached drawings.					
APPR BY:		CHKD BY:		SPEC BY :	