

LEOCO CORPORATION		PRODUCTION SPECIFICATION	No.	S-90-2405-1
☆ 2405 SERIES CONNECTOR SYSTEM ☆				
This specification describes the characteristics, test condition and particular sanctions applicable to LEOCO 2405 series PCB Mounted Connector Connector.				
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 250V 3A DC 250V 3A	
1.2	Contact resistance 接触阻抗	Dry circuit of DC 50mv 50ma max	20 miliohms max	
1.3	Dielectric strength 耐电压	When applied DC1000V 1 minute between adjacent terminal	No change	
1.3	Insulation resistance 绝缘电阻	When applied DC500V between adjacent terminal or ground	10000 Mega ohms min	
2. Mechanical Performance 机械特性 :				
ITEM 项目	DESCRIPTION 内容	TEST METHODS&CONDITION 测试方法及条件	REQUIREMENT 需求	
2.1	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)	See parameters	
2.2	Withdrawal force 拔出力	Connector socket with terminal pull out from header test under same condition as above	See parameters 6	
2.3	Terminal retention force 端子保持力	Pull out speed 25+/-3 mm per minute from connector housing	1.5 kgs (min)	
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 升温测试	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 directions	Discontinuity: 1 micro second max. appearance: no damage	
3.3	Shock 冲击测试	50g each 3 times for X,Y&Z directions applying 0-1 A-DC	Discontinuity: 1 micro second max. appearance: no damage	
3.4	Sloderability 着锡性	Soldering time:5+/-0.5 second Soldering pot:245+/-5 deg c	Miniumm:70% of immersed area.	
3.5	Resistance to soldering heat 附着耐热性	Soldering time:5+/-0.5 second Soldering pot:260+/-5 deg c	No damage	

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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.lc 30min (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	SO2 gas 耐酸性	24 hours in sulfur dioxide gas (so2) 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 DRAWING.				

