

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-90-9193-1
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* 9193 BOARD IN TERMINAL *

This specification describes the characteristics, test condition and particular sanctions applicable to LEOCO 9193 board in terminal, The subject product should meet the requirements when crimped onto the specified size wires.

1. Electrical performance 电气特性:

ITEM	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 5.0 A DC 250 V 5.0 A
1.2	Contact Resistance 接触阻抗	Dry circuit of DC 50mV 50mA max	10 miliohms max.

2. Mechanical Performance 机械特性:

ITEM	DESCRIPTION 内容	TEST CONDITION 测试条件	REQUIREMENT 需求
2.1	Wire size 线材规格	Specified wire size	Accepts AWG#16 - #24
2.2	Terminal crimp strength 铆合张力强度	When crimped AWG#16 size wire	12.0Kg min.
		When crimped AWG#18 size wire	10.0Kg min.
		When crimped AWG#20 size wire	8.0Kg min.
		When crimped AWG#22 size wire	6.3Kg min.
		When crimped AWG#24 size wire	4.5Kg min.
2.3	Terminal insertion Force 接触插入力	Insertion speed 25+/- 3 mm per minute into specified hole on printed circuits board . (insertion force of crimped terminal)	2.0Kg max

3. Environmental Performance 环境特性 :

ITEM	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 振动测试	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 冲击测试	50G, each 3 times for X,Y&Z Directions Appling 0-1 A-DC	Discontinuity:1 micro second Max. Appearance: no damage
3-4	Solder ability 着锡性	Soldering time:5+/-0.5 second. Soldering pot:245+/-5 Deg C	Mininum:90% of Immersed area.

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3-5	Resistance to Soldering heat 附着耐热性	Solder time:5+/-0.5 second. Solder pot:260+/-5 Deg C		No damage	
3-6	Salt Spray 盐雾实验	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	
3-7	S02 耐酸性	24 hours in sulfur dioxide gas (S02) 50+/-5PPMat 40+/-2 Deg. C		Contact resistance: Less than twice of initial	
3-8	NH4 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:-40 TO +105 degree C.					
5.CONSTRUCTION AND DIMENTIONAL 结构与尺寸: See attached drawings.					
APPR BY:		CHKD BY:		SPEC BY:	