

<b>LEOCO CORPORATION</b>	<b>PRODUCTION SPECIFICATION</b>	<b>No.</b>	<b>S-12-2550</b>	<b>Rev</b>	<b>2</b>
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\* 7066 SERIES AND 2550 SERIES CONNECTOR \*

This product specification contains the test method, the general performance and requirements for interconnection systems connector with 7066 series socket, 2550 series header and 7058 series terminal.

1. Construction and dimensions shall be in accordance with the referenced drawings.  
产品结构尺寸依据所提的产品图面
2. Characteristics 特性:  
Current rating 额定电流: 3A DC  
Voltage rating 额定电压 : 250V AC  
Temperature rating 额定温度: -25℃ ~ +85℃  
Applicable wire 适用的线: conductor construction size #24 ~ #28
3. Electrical performance 电气特性:

ITEM 项目	DESCRIPTION 内容	TEST METHOD & CONDITION 测试方法及条件	REQUIREMENT 要求
3-1	Contact Resistance 接触阻抗	It should be tested in accordance with method EIA-364-23	Initial : 20 mΩ max.
3-2	Insulation Resistance 绝缘电阻	It should be. tested in accordance with method EIA-364-21	Initial : 1000 MΩ min.
3-3	Dielectric withstanding Voltage 耐电压	Unmated connector shall be tested in accordance with method EIA-364-20 When the AC 500V rms for one minute applied between adjacent contacts.	No evidence of breakdown and flashover,

4. Mechanical Performance 机械特性 :

ITEM 项目	DESCRIPTION 内容	TEST METHOD & CONDITION 测试方法及条件	REQUIREMENT 要求
4-1	Crimp tensile Strength 铆合张力强度	Pulling load shall be applied between correctly crimped contact and wire at a constant speed. Pulling speed : 25 mm / minute	AWG #22: 4.0kgf min. AWG #24: 2.5kgf min. AWG #26: 1.5kgf min. AWG #28: 1.0kgf min.
4-2	Contact insertion force 接触插入力	The force required to insert a contact into a housing Inserting speed: 25 mm / minute.	1.2 kgf max.
4-3	Contact removal force 接触拔出力	Crimped contact mounted in a housing shall be pulled in an alignment at a constant speed of 25 mm / minute.	1.5kgf min.
4-4	Post retention Force 保持力	The end of a post shall be pushed in a perpendicular to base housing at a constant speed of 25mm/minute.	1.5kgf min.

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Item 项目	Description 内容	Test Method & Condition 测试方法及条件		Requirement 要求			
4-5	Insertion force 插入力	Housing with contact mating header, at a constant speed of 25mm/minute.		0.8 kgf max.per For 0.64square pin			
4-6	Withdrawal force 拔出力	Housing with contact mating header, Pull out from header at speed 25mm/minute.		0.2kgf min.per For 0.64square pin			
4-7	Durability 耐久力	It should be tested in accordance with method EIA-364-09 Connector shall be subjected to 100 cycles Of insertion and withdrawal.		No defects. Contact resistance:Less than twice of initial			
4-8	Vibration 振动性	The connector mated PCB shall be vibrated in accordance with method EIA-364-28 tested condition B. There shall be no current discontinuity longer than 1 microsecond during the test. Frequency:10-55-10 Hz/min. Amplitude: 1.50mm Period:2 hours for each direction.		No evidence of loosening of parts or electric discontinuity. Contact resistance less than twice of initial.			
5. Environmental Performance 环境特性:							
5-1	Humidity 耐湿性	The unmated connector shall be tested in accordance with method EIA-364-31 test procedure type I condition B. Temperature:40±2℃ Humidity:90-95% (RH), Period:96 hours		No damage. Contact resistance: Less than twice of Initial. Insulation resistance: paragraph.3-2. Dielectric withstanding voltage: to pass paragraph 3-3.			
5-2	Salt Spray 盐雾测试	connector shall be tested in accordance with method EIA-364-26 Temperature:35±2℃ Density: 5% in weight. Period:24hours		No damage Contact resistance: Less than twice of initial.			
5-3	Solder ability 着锡性	Connector termination ends shall be checked for solder ability in accordance with method EIA-364-52 Solder temperature:245±5℃ Immersion period:5±0.5sec.		No damage Minimum:95% of immersed area.			

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Item	Description	Test Method & Condition			Requirement		
5-4	Resistance to soldering heat 耐高温焊接	Specimen shall be mounted on PCB. Solder temperature:260±5℃ Immersion period:5±0.5sec.			No damage and deformation.		
6. Insertion force and Withdrawal force 插拔力 <span style="float: right;">Unit: Kgf</span>							
No. of circuits		Insertion force (Max.)		Withdrawal force (Min.)			
2		2.5		0.40			
3		3.0		0.60			
4		3.5		0.80			
5		4.0		1.00			
6		4.5		1.20			
7		5.0		1.40			
8		5.5		1.60			
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