LEOC	CO CORPORATION	PRODUCTION SPECIFICATION	No. S-19-4000 REV 1
<b>.</b> .	· · · · · · · · · · · · · · · · · · ·	* 4000 Series Connector *	f
	is product specification erconntection system co	contains the test method, the general per	formance and requirements
	•	00 series housing and 4003 series termin	al and 4004 series terminal.
		ons shall be in accordance with the refere	nced drawings.
	品结构与尺寸依据所提供 aracteristics 特性:	代的图面.	
	rrent rating 额定电流:	1 A AC DC	
	Itage rating 额定电压:		
	mperature rating 额定温		
	•	conductor construction size #22 ~ #28	
3. Elé	ectrical performance 电 <sup>2</sup>	气性能:	
ITEM	DESCRIPTION	TEST METHOD & CONDITION	REQUIREMENT
项目	内容	测试方法与条件	需 求
3-1	Contact Resistance	It should be tested in accordance with	20 m $\Omega$ max.
	接触阻抗	method EIA-364-23	After humidity test 40 m $\Omega$
3-2	Insulation Resistance	It should be tested in accordance with	max. Initial: 1000 MΩ min.
	绝缘阻抗	Method EIA-364-21.	After humidity test 100 M $\Omega$
			min.
3-3	Dielectric	Unmated connectors shall be tested in	No evidence of break-
	Withstanding Voltage	accordance with method EIA-364-20	down and flashover.
	耐电压	when the AC 1800 V rms for one minute applied between adjacent	
		contacts.	
		Lr 1-24+ 10.	
4. Me	echanical Performance	机械特性:	
ITEM	DESCRIPTION	<b>TEST METHOD &amp; CONDITION</b>	REQUIREMENT
项目	内容	测试方法与条件	需 求
4-1	Crimp Tensile	Pulling load shall be applied between	AWG #22: 4.0kgf min.
	Strength	correctly crimped contact and wire at a	AWG #24: 3.0kgf min.
	铆合张力强度	constant speed. Pulling speed: 25 mm / minute.	AWG #26: 2.0kgf min. AWG #28: 1.0kgf min.
			7 (17 C # 20: 1.0 (g) 11111
4-2	Insertion force&	Insertion and Withdrawal connectors	Refer to paragraph 6.
	Withdrawal force 插拔力	at the speed rate of 25 mm/minute.	
4-3	contact insertion	Insertion the crimped terminal into the	1.5kgf max.
	Force	housing at the speed rate of 25 mm /	
	Terminal 插入力	minute.	
4-4	contact retention	The crimped terminal in a housing shall	1.5 kgf min.
	Force	be pulled in a perpendicular at a	
	terminal 保持力	constant speed of 20mm/minute.	
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ITEM 项目	DESCRIPTION 内容	TEST METHOD & CONDITION 测试方法与条件	REQUIREMENT 需求
4-5	Pin retention Force pin 保持力	Apply axial push force at the speed rate of 25mm/minute.	1.0 kgf min.
4-6	Durability 耐久性	It should be tested in accordance with method EIA-364-09. Connector shall be subjected to 50 cycles of insertion and withdraw.	No defects. Contact resistance shall be 20 m $\Omega$ max.
4-7	Vibration 振动性	The connector mated PCB shall be vibrated in accordance with method EIA-364-28 tested condition B. Frequency:10-55-10 Hz/min. Amplitude: 1.52mm Period:2 hours for each direction.	No evidence of loosening of parts or electric discontinuity. Contact resistance: 20 mΩ max.
5. Env	ironmental Performar	nce 环境特性:	
ITEM	DESCRIPTION 内容	TEST METHOD & CONDITION 测试方法与条件	REQUIREMENT 需求
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 °C Humidity: 90 ~ 95 % (RH) Period: 96 hours.	No damage. Contact resistance shall be 40 mΩ max. Insulation resistance: to paragraph 3-2. Dielectric withstand ing voltage: to paragraph 3-3
5-2	Salt Spray 盐雾试验	Connector shall be tested in accordance with method EIA-364-26 Temperature: 35±2 °C Density: 5 % in weight. Period: 24 hours.	No damage. Contact resistance shall be 40 mΩ max.
5-3	Solderability 着锡性	Connector termination ends shall be checked for solderadility in accordance with method EIA-364-52. Solder temperature: 245±5 °C Immersion period: 5±0.5 sec.	No damage. Minimum: 95 % of immersed area.
5-4	Resistance to Soldering Heat 耐焊锡热	Specimen shall be mounted on PCB. Solder temperature: $260\pm5^{\circ}$ C Immersion period: $10\pm0.5$ sec.	NO damage and deformation.

EM	DESCRIPT	ION		IETHOD & CONDITION		REQUIREMENT		
	内容		ì	测试方法与条件		需求		
Incort	ion/Withdrawa	al force	插拔力.					
moon			1日1次/1・					
	No. of		tion Force	Withdrawal Force				
	circuits	(kg	gf max.)	(kgf min.)				
	Single		1.0	0.08				
_	2		2.0	0.30				
_	3		2.5	0.50				
	<u>4</u> 5		3.0 3.5	0.70 0.90				
L	5		0.0	0.30				