

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-97-MDST-2
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\* MDST Series Mini DIN Connector \*

This product specification contains the test method , the general performance and requirements for top entry PCB mount socket mini DIN connector ,with MDST Series socket connector.

1. Construction and dimensions shall be in accordance with the referenced drawings.

2.Characteristics 特性:

Current rating 额定电流: 1A AC, DC

Voltage rating 额定电压:50V AC, DC

Temperature rating 额定温度: -25 °C ~ +105°C

3. Electrical Performance 电气特性:

Item	Description 内容	Test Method & Condition 测试方法与条件	Requirement 需求
3-1	Contact Resistance 接触阻抗	It should be tested in accordance shall be tested with method 3004.1 of MIL-STD-1344A.	30 mΩ max.
3-2	Insulation Resistance 绝缘阻抗	Insulation resistance shall be tested in method in accordance with method 3003.1 of MIL-STD-1344A.	50 MΩ min
3-3	Dielectric withstanding Voltage 耐电压	Unmated connector shall be tested in accordance with method 3001.1 of MIL-STD-1344A When the AC 1000V rms for one adjacent contacts	No evidence of breakdown and flashover

4. Mechanical Performance 机械特性 :

Item	Description 内容	Test Method & Condition 测试方法与条件	Requirement 需求
4-1	Insertion Force 插入力	Insertion connector at a constant speed of 25 mm/minute.	340 gram max.
4-2	Withdrawal Force 拔出力	Pull out from connect at a constant speed of 25 mm/minute.	20 gram min.

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5.Environment Performance 环境特性 :					
Item	Description 内容	Test Method & Condition 测试方法与条件		Requirement 需 求	
51	Humidity 耐湿性	The unmated connector shall be tested in accordance with method 1002.2 of MIL-STD-1344A. test procedure type I condition B. Temperature: 40±2℃. Humidity : 90~95% (RH) Period : 96 hours.		No evidence of damage. Contact resistance less than twice of initial. Insulation resistance: To pass para: 3-2. Dielectric withstanding voltage : to pass para 3-3	
5.2	Salt Spray 盐雾测试	Connector shall be tested in accordance with method 1001.1 of MIL-STD-1344A condition B. Temperature: 40±2℃. Density: 5% in weight Period: 48 hours.		No base metal exposed . Contact resistance less than twice of initial.	
5.3	Solderability 着锡性	Connector termination ends shall be checked for solderability in accordance with method 208 of MIL-STD-202F. Solder temperature:245±5℃. Immersion period: 5±0.5 sec.		No damage. Minimum: 95% of immersed area.	
5.4	Resistance to soldering Heat 耐高温焊接	Specimen shall be mounted on PCB. Solder temperature: 260±5℃. Immersion period : 5±0.5 sec.		No damage and deformation.	
APPR BY		CHKD BY:		SPEC BY:	