

LEOCO CORPORATION	PRODUCTION SPECIFICATION	No.	S-90-2445-5
☆ 2.54mm * 2.54(.100" * .100") Pitch Shrouded Header ☆			
This product specification contains the test method, the general performance and requirements for shrouded header connector , with 2445, 2475,3575 and 3675 series straight and right angle shrouded header.			
1. construction and dimensions shall be in accordance with the referenced drawings 产品结构及尺寸依据所提供的图面			
2. characteristics 特性: current rating 额定电流 : 3A AC Voltage rating 额定电压: 250 DC Tem rating 额定温度: -40°C ~+105°C			
3. Electrical performance 电气性能:			
Item 项目	Description 内容	Test methods & condition 测试方法及条件	Requirement 需求
3.1	Contact resistance 接触阻抗	It should be tested in accordance with method 3004.1 of MIL-STD-1344A	Initial : 20m Ω max. After environmental test : 40m Ω max.
3.2	Insulation resistance 绝缘电压	It should be tested in accordance with method 3003.1 of MIL-STD-1344A. or method 302, condition B of MIL-STD-202F.	Initial: 1000 MΩ min.after humidity and thermal shock test : 500MΩ 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 500V rms for one minute applied between adjacent contacts.	No evidence of breakdown and flashover.
4. Mechanical Performance 机械性能 :			
ITEM 项目	DESCRIPTION 内容	TEST METHODS&CONDITION 测试方法及条件	REQUIREMENT 需求
4.1	Retention force 保持力	Push pin from insulator base at speed 25mm/minute	1.5 kgf min.
4.2	Durability 耐久力	It should be tested in accordance with method 2016 if MIL-STD-1344A .connector shall be subjected to 100cycles of insertion and withdrawal	No defects. Contact resistance shall be 20m Ω max

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4.3	Vibration 振动性	The connector mated PCB shall be vibrated in accordance with method 2005.1 if MIL-STD-1344A test condition B. there shall be no current discontinuity longer than 1 microsecond during the test. Frequency:10-55-10hz/min. 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 环境性能:				
ITEM 项目	DESCRIPTION 内容	TEST CONDITION 测试条件	REQUIREMENT 需求	
5.1	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 . Tem:40±2℃ Humidity :90~95%(RH) Period: 96 hours	No damage. Contact resistance less than twice o initial. Insulation resistance : to pass para. 3-2 dielectric with standing 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. tem: 35±2℃ Density : 5% in weight Period : 48 hours.	No damage . Contact resistance less than twice of initial.	
5.3	Solderability 可焊性	Connector termination ends shall be checked for solderability in accordance with method 208 of MIL-STD-202F. Solder temperature: 230±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:	