



**THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION**

ACCREDITED LABORATORY

A2LA has accredited

**AMERICAN TESTING AND
MEASUREMENT LABORATORY (ATM)
San Pedro Sula, Honduras**

for technical competence in the field of
Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 18 June 2005*).

Presented this 17th day of August 2006.





President
For the Accreditation Council
Certificate Number 2467.01
Valid to August 31, 2008

For the tests or types of tests to which this accreditation applies,
please refer to the laboratory's Mechanical Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: August 31, 2008

Certificate Number: 2467.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on plastic components and metal terminals:

<u>Test</u>	<u>Test Method</u>	<u>Section</u>
Temperature Testing (-40°C to 150) °C	USCAR-2	5.6.3
	USCAR-15	6.1, 6.3
	USCAR-21	4.5.2.4
Temperature Humidity Cycling (-40°C to 150) °C (20% to 95%) RH	USCAR-2	5.6.2
	USCAR-15	6.8
	USCAR-21	4.5.2.4, 4.5.4
Thermal Shock (-40°C to 150) °C	USCAR-2	5.6.1
	USCAR-15	6.2
	USCAR-21	4.5.2.4, 4.5.5
Vibration / Mechanical Shock 10Hz to 2KHz 1mS to 10mS	USCAR-2	5.4.6
	USCAR-15	5.9, 5.10
	USCAR-21	
Pressure Vacuum Leak (.1 to 20) Kpa	USCAR-2	5.6.6
	USCAR-15	5.7
Submersion	USCAR-2	5.6.5
Salt Fog	USCAR-15	6.6
Ozone Resistance	USCAR-15	6.7

Fluid Resistance	USCAR-2	5.6.4
	USCAR-15	6.4
Outgassing	USCAR-15	6.5
Insertion Force (0 to 50) N	USCAR-2	5.1, 5.2, 5.3
Bulb Wobble	USCAR-15	5.4
Mating Unmating Force (0 to 50) N	USCAR-2	5.4.2, 5.4.3, 5.4.1
Voltage Drop (0 to 20) VDC	USCAR-15	4.1
	USCAR-2	5.3.2
Isolation Resistance (0 to 2000) M Ω	USCAR-2	5.5.1
	USCAR-15	4.2
Resistance Including Dry Circuit (0 to 100) Σ	USCAR-21	4.5.3
	USCAR-2	5.3.1, 5.1.9
Temperature Rise (0 to 200) °C	USCAR-15	4.3
Current and Current Cycling (1 to 150) A	USCAR-15	4.4
	USCAR-21	4.5.1
	USCAR-2	5.3.4, 5.3.3
Crimp Cross Section	USCAR-15	5.8
	USCAR-21	4.3
Crimp Force (0 to 50) N	USCAR-15	5.8, 5.2
	USCAR-21	4.4
Mechanical Durability Tests	USCAR-15	5.3, 5.5
	USCAR-2	5.1.7, 5.4.8, 5.7.2, 5.4.7, 5.4.4, 5.2.2, 5.7.1

Using the above methods and Customer supplied test methods directly related to the capabilities listed above.