



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MOLEX
2222 Wellington Ct
Lisle, IL 60532
Tom Seputis
Phone: 630-527-4620
Email: Tom.Seputis@molex.com
Sean Smith
Phone: 630-718-5100
Email: Sean.Smith@molex.com

MECHANICAL

Valid To: March 31, 2024

Certificate Number: 6581.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following mechanical tests:

<u>Test Description</u>	<u>Standard Test Method</u>
<u>Visual Examination/Inspection</u> Optical Microscopy: Up to 2,800x Magnification	EIA-364-18
<u>Electrical</u> Contact Resistance (LLCR) Test Current: Up to 100 mA Test Voltage: Up to 20 mV	EIA-364-23
Dielectric Withstanding Voltage (DWV) Test Voltage: Up to 5,000 VDC/VAC Current: Up to 30 mA	UL 1977
Temperature Rise/Current Rating Testing: Current: Up to 1,200 Amps Voltage: Up to 60 Volts	EIA-364-70
<u>Solderability</u> Solder Bath Temperature: Up to +350 °C	JEDEC JESD22-B102
<u>Temperature/Humidity</u> Temperature Test (Thermal Aging): Temperature Range: (-70 to +180) °C	EIA-364-17
Humidity Test (Cyclic, Steady State): Humidity Range: (11 to 95) %RH	EIA-364-31

Mechanical EIA-364-13
Tensile and Compression Testing
Load (Force Measurements): Up to 30 kN
Speed: 0.001 to 3,000 mm/min

Cycling (Durability): EIA-364-09
Speed: 0.01 to 20 mm/s
Travel Distance: Up to 68 mm

Mechanical Shock EIA-364-27
Waveform: (Half-Sine, Triangular,
Trapezoidal, Terminal Peak, Initial Peak,
Square, Haversine)
g Level: Up to 300g
Pulse Duration: (4 to 18) ms

Vibration EIA-364-28
Frequency Range: (3 to 3,000) Hz
Force Capabilities: Up to 25,000 lb. Force
Displacement: Up to 76.2 mm Peak-to-Peak,
Random and Sine
Acceleration: Up to 220g

Combined Environment
(Vibration & Mechanical Shock):
Temperature Range: (-70 to +180) °C
Humidity Range: (11 to 95) %RH

¹Also using the above methods and customer supplied test methods directly related to the capabilities listed above.



Accredited Laboratory

A2LA has accredited

MOLEX

Lisle, Illinois

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 April 2017).



Presented this 20th day of June 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6581.02
Valid to March 31, 2024

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