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Highly Accelerated Thermal Shock (HATS) Interconnect Stress Test (IST) Thermal Cycling Testing. Accelerated reliability testing using test coupons is about as old as PCBs are. The principle is to crowd a large number of holes into a small space and connect them in a chain, hence the name 'daisy-chain'.

Highly Accelerated Thermal Shock (HATS™) Testing for PCB Hole Reliability Bob Neves President Integrated Reliability Test Systems, Inc. December 2003

The features of our Highly Accelerated Stress Test System (HAST Chamber), ... Large Capacity Thermal Shock Chamber TSA-603EL-W (600 L) Highly Accelerated Air to Air Thermal Shock Chamber (HAATS) Temperature Chambers. Industrial Ovens Temperature Chamber Series; Industrial Ovens

<Highly Accelerated Air to Air Thermal Shock Chamber> Obtain test results that correlate with a conventional thermal shock test. High velocity and unique air flow control enable a temperature recovery time of 3 minutes between +125°C and -40°C. It reduces thermal shock testing time by one-third for significantly

faster testing.

One test method, highly accelerated thermal shock (HATS™) reduces the cycle time to as low as five minutes. Internal heat methods (SITS, IST) have the advantage of precise temperature control to higher test temperatures (300°C) and fast cycle times (5 minutes or less).

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Highly Accelerated Thermal Shock (HATS)

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Highly Accelerated Thermal Shock (HATS ... Global provider of thermal shock test systems and services to the printed circuit board and electronic interconnect industries Products and services provide quantitative data on electrical interconnect reliability . Page 3 History of Thermal Shock

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Highly accelerated thermal shock Highly Accelerated Thermal Shock (HATS) is a new technology based on traditional air-to-air methods to evaluate the reliability of electronic interconnections within the circuit board and connections between the packages and the circuit board. The technique utilises a single chamber

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HATS - Highly Accelerated Thermal Shock - All Acronyms

What is Highly Accelerated Life Testing (HALT)? HALT (Highly Accelerated Life Testing) is a proven rigorous reliability test method designed by ESPEC to identify weaknesses and design defects in electronics and electromechanical devices.. The primary objective of HALT procedure is to proactively find weaknesses and resolve them, thereby increasing product reliability.

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Highly Accelerated Thermal Shock Testing. NTS is the exclusive provider of HATS – Highly Accelerated Thermal Shock testing – in the US. The HATS technology uses high speed air as the heat transfer mechanism to heat and cool test coupons, where other methodologies utilize transfer fluids like oil, nitrogen, sand or internal conduction.

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The second part of the study targeted the thermal robustness of each tested laminate after 500 HATS (Highly Accelerated Thermal Shock) cycles. The system from Integrated Reliability Test Systems, Inc. (www.hats-tester.com) provides an air-to-air reliability test method, and uses a single chamber in which high-volume hot and cold air

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