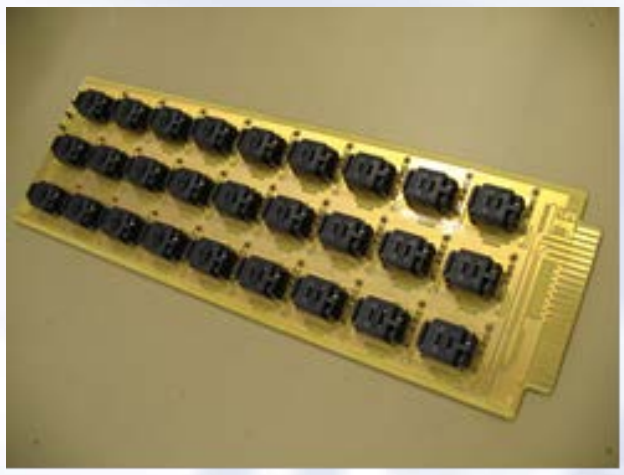
MASER ENGINEERING

Temperature & Humidity test service

Temperature and Humidity tests are executed for the qualification of IC's and electronic systems according to JEDEC/MIL/IEC specifications. The combination of temperature and humidity accelerates chemical and galvanic corrosion. The combination of temperature, humidity and bias accelerates electrochemical corrosion and ion migration. MASER Engineering supports these tests with the various systems available.

TEMPERATURE / HUMIDITY

- -40°C to +180°C / 40% to 95% RH
- -40°C to +275°C (temperature only)
- Specifications: JEDEC/MIL/IEC
- In compliance with ISO-17025 accreditation
- Central Monitoring System (CMS)



HAST/THB BOARDS

- In-house design capability and know-how
- Project management of board manufacturing and assembly
- Standardized board sizes of 127 x 520 mm (THB) and 127 x 394 mm (HAST)
- CAF-resistant high Tg FR-4 epoxy

HAST TEST

- Highly Accelerated Temperature and Humidity Stress Test
- 2x Tabai ESPEC
- 2x ESPEC EHS-221 (dual chamber)
- +110°C to +130°C / 85% to 100% R.H.
- Specifications:
  - Highly Accelerated Temperature and Humidity Stress Test (JESD22-A110)
  - Accelerated Moisture Resistance – unbiased HAST (JESD22-A118)
  - Accelerated Moisture Resistance – unbiased Autoclave test (JESD22-A102)

MASER ENGINEERING

Temperature & Humidity test service

TEMPERATURE AND HUMIDITY SYSTEMS

- 4x ESPEC 2KPH/3KPH
- Programmable
- -40°C to +180°C / 40% to 95% RH
- Specifications:
  - Steady State Temperature, Humidity, Bias Life test (JESD22-A101)
  - Moisture Resistance Test (MIL-STD-883, method 1004)
  - Damp Heat Steady State (NEN-EN-IEC 60068-2-78)
  - Composite temperature/humidity cyclic test (NEN-EN-IEC 60068-2-38)
  - Damp heat, cyclic (NEN-EN-IEC 60068-2-38)

TEMPERATURE AND HUMIDITY SYSTEMS

- 2 x Espec LHL/LHU
- 85°C/85% RH
- 85°C/60% RH
- 30°C/60% RH
- Specification:
  - Preconditioning of Non-hermetic Surface Mount Devices Prior to Reliability Testing (JESD22-A113)

TEMPERATURE

- 3x Memmert UFE
- 1x ESPEC PHH
- 2x Binder
- Up to 275°C
- Specification:
  - JEDEC JESD22-A103
  - MIL-STD-883, method 1008
  - NEN-EN-IEC 60068-2-2

For more info please visit www.maser.nl
For inquiries please contact : info@maser.nl or call +31 53 480 26 80