

SMT Corp. AS6171 Testing Services

AS6171/2 – External Visual Inspection

- Visual Inspection
- Packaging Configuration and Dimensions
- Scanning Electron Microscopy Examination / Inspection
- Remarking and Resurfacing

AS6171/3 – X-Ray Fluorescence

- X-Ray Fluorescence (XRF) Material Analysis

AS6171/4 – Delid/Decapsulation Physical Analysis

- Decapsulation and Die Verification

AS6171/5 – Radiological

- Radiographic Examination / Inspection

AS6171/7 – Electrical full functional and performance testing including:

- SoC Digital/Analog/RF Test System
- Capacitance Measurement (MIL-STD-202 Method 305)
- Contact Resistance (MIL-STD-202 Method 307)
- Forward Voltage Drop (MIL-STD-750 Method 4011)
- Reverse Current Leakage (MIL-STD-750 Method 4016)
- Regulator (Breakdown) Voltage (MIL-STD-750 Method 4022)
- Propagation Delay (MIL-STD-883 Method 3003)
- Power Supply Current (MIL-STD-883 Method 3005)
- High Level Output Voltage (MIL-STD-883 Method 3006)
- Low Level Output Voltage (MIL-STD-883 Method 307)
- Input Clamp Voltage (MIL-STD-883 Method 3022)
- Low Level Input Current (MIL-STD-883 Method 3009)
- High Level Input current (MIL-STD-883 Method 3010)
- Output Short Circuit Current (MIL-STD-883 Method 3011)

Accreditations Pending

- AS6171 / 4 DIE Attach /Bond Pull
- AS6171 / 5 Radiographic Inspection 2D/3D
- AS6171 / 7 PIND
- AS6171 / 7 Temp Cycling
- AS6171 / 7 Burn In
- AS6171 / 7 Fine & Gross Leak
- AS6171 / 7 Constant acceleration
- AS6171 / 8 RAMAN Spectroscopy
- AS6171 / 9 FTIR Spectroscopy



View a Comprehensive List of our Solutions and Test Standards Online at www.smtcorp.com

MIL-STD-883/750 Screening

SMT Corp continues to make investments in advanced testing capabilities. We can now support screening and testing of microcircuits and discrete semiconductor components in accordance with military standard test methods, MIL-STD-883 and MIL-STD-750.

Environmental & Mechanical Test Methods

MIL-STD-883

- Thermal Cycling TM1051
- Hermetic Seal (Fine and Gross Leak) TM1071
- Burn-in TM1038, TM1039, TM1040
- Constant Acceleration TM2006
- Lead Integrity TM2005
- External Visual TM2068
- Internal and External Visual including Radiography TM2069 – TM2076
- Bond Strength TM2037
- Solderability TM2026
- Decapsulation Internal Inspection TM2075
- Scanning Electron Microscope (SEM) Inspection TM2077

MIL-STD-750

- Thermal Cycling TM1010
- Hermetic Seal (Fine and Gross Leak) TM1014
- Burn-In TM1015
- Constant Acceleration TM2001
- Lead Integrity TM2004
- Internal and External Visual including Radiography TM2009 – TM2017
- Bond Strength TM2011
- Solderability TM2022
- Resistance to Solvents TM2015
- Scanning Electron Microscope (SEM) inspection TM2018

Call Us Today to Discuss Your Sourcing & Testing Needs

Call Us Today to Discuss your Requirements for Testing and Authentication of your EEE Components or Discuss How to Implement a Robust Counterfeit Mitigation Policy in Your Organization.

US enquiries

+1-203-270-4700
sales@smtcorp.com

UK & European enquiries

+44 (0)330 313 3220
uk.sales@smtcorp.com



SMT Corp. is part of Certify Holdings, a premier provider of end-to-end electronics services and solutions for aerospace, defense, critical infrastructure, and medical applications.

