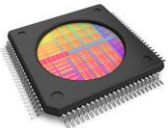


FPGA Testing Capabilities

Advanced Component Testing (ACT) specializes in testing the performance of both Xilinx and Altera field programmable gate arrays. ACT provides test and certification services for legacy Xilinx FPGA product families including Spartan, Vertex and XC4000 series, which are still active on circuit board assemblies approaching or surpassing their 20-year service marks. ACT offers similar Altera FPGA testing on these families and more: Arria, Cyclone, Max and Stratix.



SERVICES

- DC and AC electrical testing (using clocked test vectors)
- Electrical testing over -65°C to 200°C
- Static, dynamic, functional and switching testing results verified against manufacturer's datasheet parameters
- Blank checking, erasing and programming
- Up screening and burn in testing
- Authenticity inspection and testing

DETAILS

- Ensure accurate speed and functionality testing of family-specific primitives via use of official OEM design tools
- Testing of FPGAs with upwards of 1500 pins
- Accommodate variety of geometries via custom test fixtures
- IDCODE reading for enhanced authenticity testing

STANDARDS COMPLIANCE

MIL-STD-883

MIL-PRF-38535

AS6081

AS6171

CCAP-101

DFARS Part 252.246-7007

IDEA-STD-1010

CERTIFICATIONS

ISO/IEC 17025:2005

ISO 9001:2015

DLA QTSL Audited/Assessed

ANSI/ESD-S20.20-2014

**For more information about our services or to request a quote,
phone 631-676-6390 or visit www.actestlab.com.**