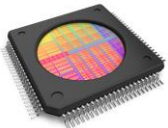


FPGA Testing Capabilities

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
- Up screening and burn in testing
- Authenticity inspection and testing

DETAILS

- Testing of FPGAs with hundreds of I/Os
- Accurate speed and functionality testing of family-specific primitives ensured via use of official OEM design tools
- Variety of geometries accommodated 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.