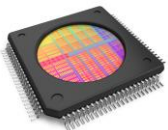


FPGA Testing Capabilities

Advanced Component Testing (ACT) specializes in testing the performance of Xilinx legacy field programmable gate arrays still active on various circuit board assemblies that are approaching or surpassing their 20-year service mark. ACT provides test and certification services for legacy Xilinx



FPGA product families including Spartan (XCSxx, XC2Sxx, XC25xxE and XCSxxXL); Vertex (XCVxx, XC2VPxx and XCVxxxxE); and XC4000 series (XC4000E, XC4000EX, XC4000L, AX4xxxXL and XC4000XLA).

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 Xilinx design tools
- Testing of FPGAs with upwards of 1500 pins
- Accommodate variety of geometries via custom test fixtures
- IDC CODE 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.