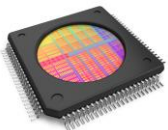


FPGA Testing Capabilities

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 XCVxxxxxE); 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
- 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.