

Overview

For designers of 32-bit embedded systems who must deliver high quality quickly and at low cost, Kozio's kDiagnostics® Design Suite is a comprehensive, configurable hardware validation suite that provides an extensible and reusable turn-key solution.

Delivered ready-to-run, the kPOST® option permits kDiagnostics Design Suite users to ship Kozio's high-integrity, high-coverage test capabilities with their finished products, enabling a full hardware check to be performed at every power cycle. With no additional development, users can be sure their systems continue to work reliably after shipping. A lower rate of false negatives in the field results in fewer service calls, and those that are still required are faster, thanks to pinpoint problem identification. Finally, any products returned from the field can be debugged at incoming inspection, ensuring correct and prompt handling of returned materials.

PERSONALIZED OFF-THE-SHELF POWER-ON SELF-TEST

kPOST is delivered ready to run on your custom hardware. We provide an example POST test sequence that is easily modified. This self-booting binary application is fully script-configurable for best test coverage and fastest boot time.

SIMPLE CONFIGURATION AND INTEGRATION

kPOST provides boot code, drivers, and all other software necessary to boot your hardware system's processor and execute the test suite. When completed, kPOST can copy, load and launch the final boot loader and application. An API provides you with access to full POST test results

FIXED COST

kPOST is licensed at a fixed cost, with no per-unit royalties.

kDiagnostics Design Suite

The complete Kozio solution is a suite of software tools for board diagnostics, binary image downloading, in-system programming, automated board testing, and power-on self-

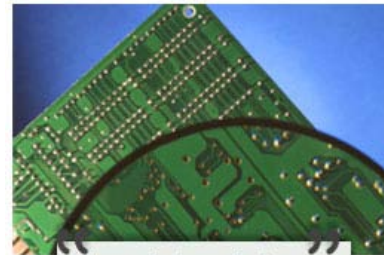
test. The Kozio architecture has two main components: a target diagnostics application and one or more host applications. SequenceRunner and SequenceReporter comprise the test automation tools, which provide "scan it; program it; test it; track it" for manufacturing end-of-line testing.

Features

- Personalized, high-integrity power-on self-test delivered ready-to-run
- Automatic, self-booting binary requires no user intervention
- Flexible, configurable and customizable
- Easy integration with your application software

Benefits

- Zero development cost; low fixed-cost (no per-unit royalties)
- Continue your quality processes to in-field units
- Eliminate unnecessary field service calls, and reduce the duration of needed calls
- Screen incoming returned units quickly without taking up test time



"The speed and ease of software start as well as the swift and clear-cut support truly make kDiagnostics® a world class product. "Kozio kDiagnostics not only saved our team weeks of development time, they repeatedly prove their value as we continue with additional development."

Paul M.
Lead Hardware Engineer
Broad Reach Engineering

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