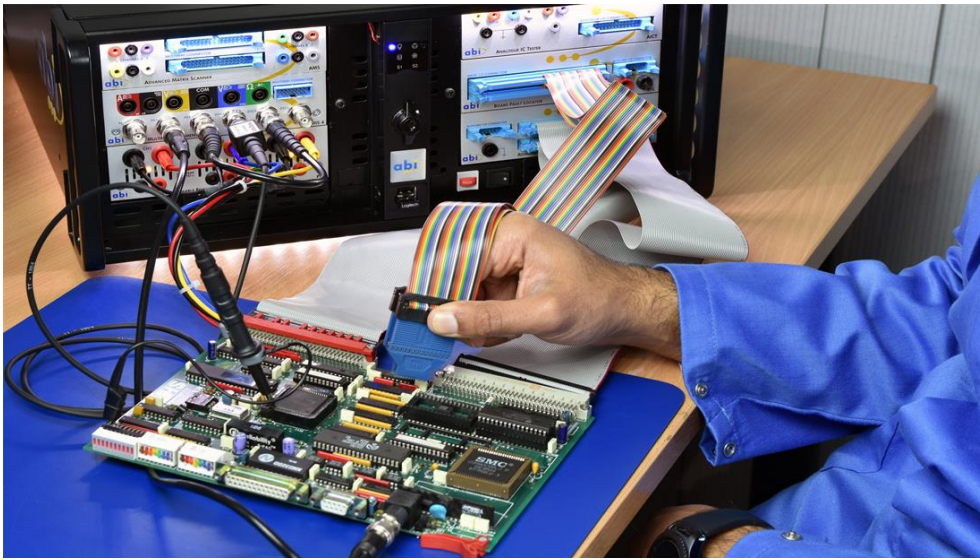




DIAGNOSING PCB FAULTS QUICKLY!

The single most significant benefit of the **ABI BoardMaster** in diagnosing Printed Circuit Board (PCB) problems is its **schematic-free, signature-based fault finding—which allows you to pinpoint component-level failures without needing circuit diagrams, source code, or documentation.**

Key Capabilities

- **Power-Off V/I Signature Analysis (Analog Signature Analysis)**

It safely tests components by applying an AC voltage wave across test points with the board completely powered down. It generates a unique V/I signature curve for each component or net, allowing technicians to instantly spot shorts, opens, and degraded components simply by comparing a bad board against a known-good board.

- **"Learn & Compare" Automated Testing**

You don't need a deep engineering background or complex programming skills to use it. The BoardMaster's software can "learn" the signatures and logic responses of a functioning PCB, record the profile, and guide any technician step-by-step through probing a faulty board.

- **Comprehensive Fault Coverage in One Machine**

It combines digital IC functional testing, analog device testing, thermal analysis, logic state analysis, and multi-channel matrix scanning into a single integrated workstation—eliminating the need for a bench full of separate instruments.

- **In-Circuit Functional Testing**

It can isolate and functionally test digital logic ICs and analog components directly on the board without unsoldering them, drastically reducing repair times and preventing damage to fragile traces.

Primary Value Proposition

For maintenance and repair operations dealing with **legacy, obsolete, or undocumented PCBs** (where schematic diagrams are unavailable or impossible to find), the ABI BoardMaster turns a blind guessing game into a predictable, fast, and repeatable process.

More details: <https://www.saelig.com/category/MFR00134.htm> or email salesmgr@saelig.com