



TECHNICAL DATA SHEET

AUTOMATED BURN-IN BOARD SIGNAL CHECKER

Ensuring Signal Integrity, Empowering Reliable Burn-In

An advanced testing solution designed to verify and monitor the integrity of signals across burn-in boards used in semiconductor device reliability testing. This system ensures that all input and output signals of the BIB are functioning correctly before and during burn-in processes, reducing failure rates and enhancing test accuracy.



TECHNICAL DATA

Specification	Details
Supported Burn-In Board Types	Standard and custom BIBs, up to 256 pins (expandable upon request)
Signal Type	Digital I/O signals, selectable voltage levels
Input Voltage Range	0V to 5V DC (configurable per customer requirement)
Voltage Accuracy	± 0.05 V
Detection Capabilities	Open circuit, short circuit, misrouted signal, missing signal
Test Pattern	Programmable test sequences and custom pattern support
Test Speed	<1 second per pin (typical)
Monitoring Channels	Multi-channel parallel testing (up to 64 channels simultaneous monitoring standard; expandable)
Connectivity	USB / Ethernet
Data Logging	Built-in storage for up to 100,000 test records; exportable in Excel format

PRODUCT INFO

The Automated Burn-In Board Signal Checker is a precision-engineered solution designed to automatically test and validate the electrical signals of burn-in boards used in semiconductor device reliability and stress testing. The system provides fast, accurate detection of signal anomalies—including opens, shorts, and incorrect routing—before and during burn-in operations. It helps ensure high-quality, error-free burn-in processes, reducing costly failures and rework.

PRODUCT FEATURES

- Automatic verification of BIB input/output signals
- Detection of opens, shorts, and miswirings
- Monitoring of voltage levels and signal sequences
- Support for custom test patterns and signal sequences
- Data logging with easy export to reports
- Real-time fault alerting
- Optional integration with existing burn-in oven monitoring systems.

CONTACT

Pro Board Technology Services Corporation
Blk-2 Lot-5, People's Technology Complex Annex A,
Complex Avenue, Carmona, 4116 Cavite

Telephone No.: +63 8552 5131 loc 102
Email: pbts_sales@pbts-tech.com
Website: www.pbts-tech.com