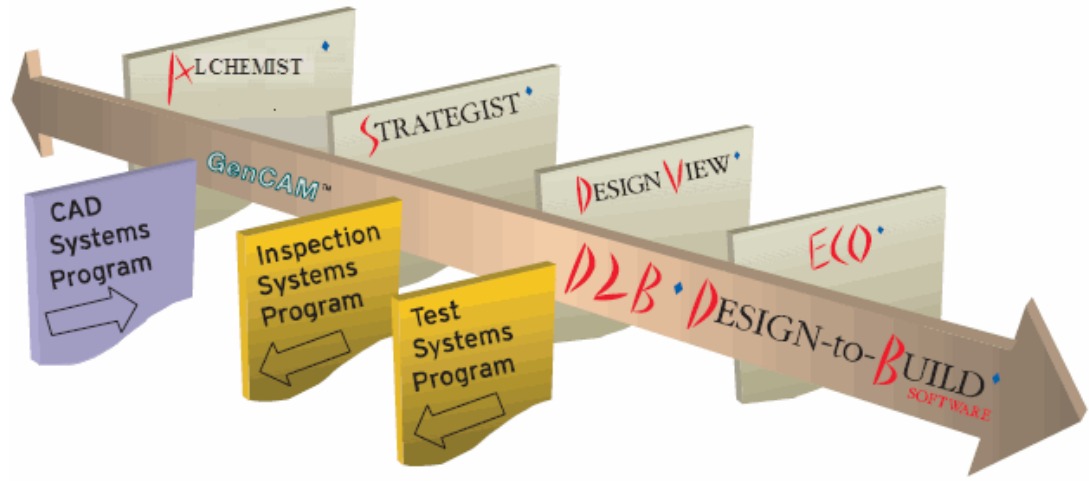


## D2B™ Design-to-Build Software

Software Applications that Optimize PCBA Test and Inspection Efficiencies

### Key Features:

- Enables manufacturers to drive down and control the "Cost of Test"
- A simple software tool for all your test and inspection program generation
- Predicts optimal PCBA test and inspection strategies early in the design cycle
- Calculates test and inspection effectiveness across mixed vendor platforms
- Provides actual feedback of fault coverage, test time and yield from Teradyne test and inspection platforms
- Speeds ECO implementation
- Easily integrates into manufacturing work environments



Teradyne's D2B Modular Framework

**B**ecause today's electronic manufacturers are under ever-increasing pressure to shorten time-to-market, improve quality, and reduce costs, Teradyne has developed a new breed of software tools that enable collaboration between electronics design and manufacturing partners to improve a company's ability to succeed in today's increasingly competitive environment.

Teradyne's D2B™ (Design-to-Build) software solutions enable a new level of collaboration between EMS, OEM manufacturers and partners. D2B software brings a very reliable standards-based architecture with complete design-to-build functionality and convenience. D2B software utilizes a standards-based GenCAM architecture, in a flexible and modular software environment.

Teradyne's D2B software and services enables manufacturers to achieve a competitive edge by providing all the solutions needed to control, reduce and optimize the Cost of Test.

### D2B Framework and Modular Software Solutions

Teradyne's unique D2B framework allows design data to be used as the starting point for in depth test and inspection analysis that enables Test and Inspection Managers to become proactive when determining the appropriate amount of test for PCB designs. The unique capabilities of Teradyne's D2B software enable EMS and OEM manufacturers and partners to optimize test and inspection efficiencies early in the manufacturing build cycle. D2B software helps users outperform their competition, maximize profitability, and gain market share.

The D2B software framework includes the following modular applications: D2B Alchemist™, D2B Strategist™, D2B DesignView™, D2B ECO™, and D2B Viewer™.

**D2B Alchemist™** translates CAD designs, imports Bill-of-Materials data, optimizes data for selected manufacturing equipment, assigns test probe locations, and outputs customized files. D2B Alchemist accepts data from different CAD design formats and generates programs for a wide variety of both Teradyne and non-Teradyne test and inspection equipment.

**D2B Strategist™** is a decision-making software solution that predicts the optimal distributed test and inspection strategy for individual PCB designs. Once a distributed test strategy has been determined, Strategist generates the desired test and inspection input files for multiple test and inspection equipment. Strategist calculates the test and inspection effectiveness for selected test strategies by utilizing manufacturer's DPMO (Defects Per Million Opportunities) in conjunction with the capabilities of the test and inspection equipment for detecting defects. Strategist also provides feedback of actual fault coverage, test-time and yield from Teradyne test and inspection platforms.

**D2B DesignView™** provides schematic viewing and linking of logical and physical design data along with a GenCAM file viewing capability.

**D2B ECO™** provides the ability to compare two revisions of the same PCB assembly, performing various checks on each board to see if components were added, removed or modified between the two revisions.

**D2B Viewer™** provides a powerful graphical viewer for displaying and navigating GenCAM, GenCAD, and D2B project files. Components, signals, and test probes may all be located and displayed with their associated properties.

Teradyne's D2B software is a powerful suite of solutions that supports GenCAM file formats and many ECAD sources, permitting easy integration of manufacturer's design data into the D2B software framework. Teradyne's D2B suite of software solutions allows users to accelerate critical time-to-market and time-to-profitability timetables.

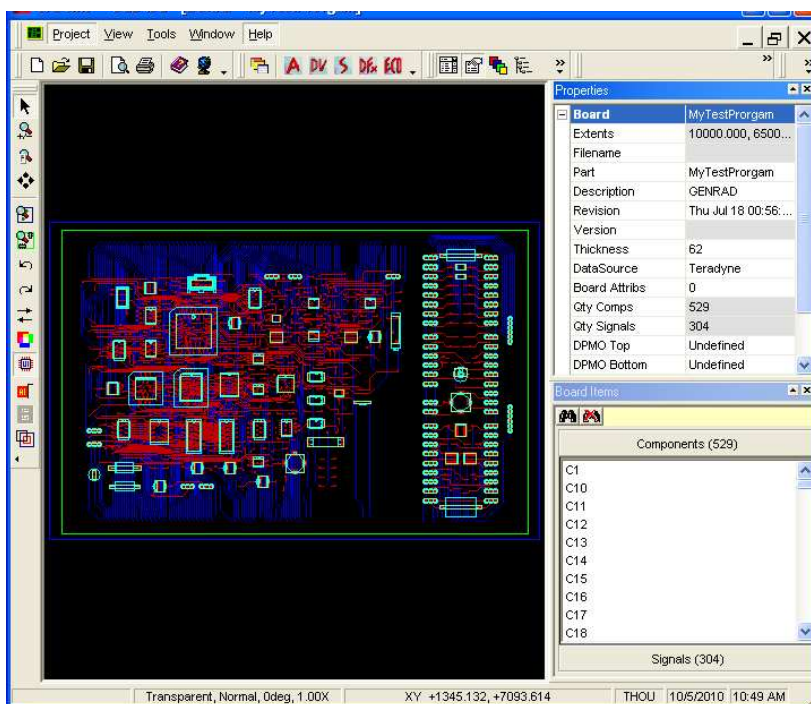
### Teradyne's Worldwide Network of Service and Support

A dedicated, worldwide network of customer service and support professionals stand behind every Teradyne product. With regional support and training centers located around the world, Teradyne offers local support and continuous training for all its customers.

### For More Information

For more information on our Design-to-Build suite of software solutions, please go to [www.teradyne.com](http://www.teradyne.com).

Contact your local Teradyne Sales Representative or e-mail [atd-parts-sales@teradyne.com](mailto:atd-parts-sales@teradyne.com) to request a quote.



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STG-D2B-2012-00