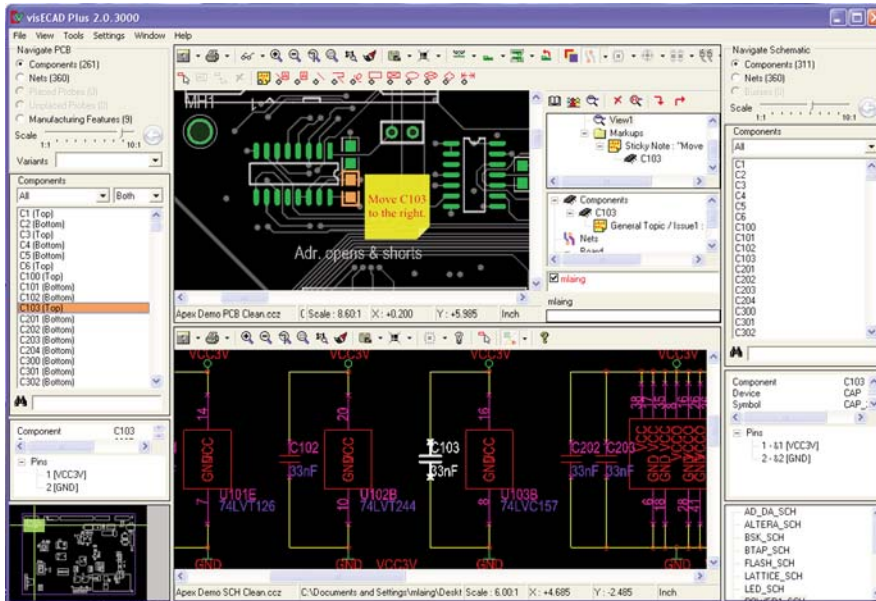


# visECAD

Enables collaboration between all design departments

Design Collaboration Tool

D A T A S H E E T



visECAD screen showing the electrical layout and schematic with collaboration notes being added to both drawings.

## Major product benefits

- Eliminates errors and omissions by allowing all departments to provide review input
- Schematic and layout collaboration enhanced through ECAD-neutral formats
- Eliminates ambiguity between departments with direct markup of the PCB or schematic
- Maximum markup clarity with redline, sticky note, hyperlinks, and embedded images
- Design time reduced with board Autoflip, which automatically shows selected-component side
- Manufacturing collaboration supports variants, fiducials, test points, and tooling holes

## Overview

Accelerating development from concept to delivery is the key to profitability for today's electronic products. Fundamental to achieving this acceleration is effective information flow within and between organizations. Proper communication ensures that all stakeholders in the product delivery chain have their needs addressed — which eliminates defects and design re-spins. Collaboration, supported by automated solutions, enables the effective communication required to reach maximum profits.

To effectively review complex Printed Circuit Board (PCB) and schematic designs many companies struggle with ineffective, time-consuming processes. Often they can only rely on unintelligent Gerber data, inflexible PDF files, or printed information to relay design review feedback between departments for collaboration. Further complicating reviews in today's global market are support of multiple different ECAD schematic capture and layout tools and design review groups being located all around the world.

Mentor Graphics' visECAD solves these problems. visECAD enables collaboration between all stakeholders in the design process. Collaboration can now effectively be achieved within design teams, between design and manufacturing groups, and within manufacturing. All with intelligent data passed via a comprehensive viewer providing faster, more accurate, and easier collaboration on any design. Schematic capture and layout information is presented to the user with all the intelligence of the authoring ECAD system.

## Collaboration Among Departments

visECAD displays PCB design, schematic, and other electronic manufacturing data in a single, intelligent environment. This allows combining all relevant data and electronically sharing it, enterprise wide, for collaborative visualization across all departments, design reviews, and manufacturing processes. Critical information is captured and provided to the right people at the right time to accelerate product introduction and profitability.

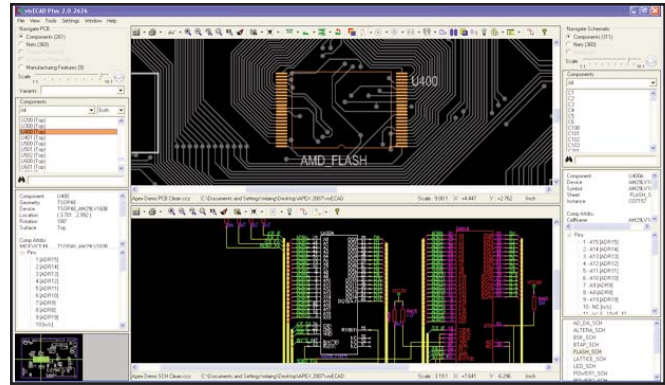
## Intuitive Interface Eliminates Ambiguity

The visECAD application provides tremendous power with a compact tool. Easy to use navigation controls allow fast location and highlight capabilities for the user. Single boards or multi-image panels can be viewed within the application. The interactive world view further extends the capabilities for navigation. Cross-linking can be used to automatically locate the same component in both the PCB and schematic design windows.

Commonly, net names in the schematic capture tool differ from the layout tool even though they are the same electrical net. This means simple name to name matching often leaves significant numbers of unmatched nets. visECAD instantly matches net names based on the component pins that are connected to them resulting in the highest possible net matching.

## Collaborative Markups

visECAD provides a simple and comprehensive structure to support viewing and markup activities that drive collaborative efforts. Authorized users can start or participate in discussions or markups and have their comments logged for peer to peer review. The resultant file can then be used to update the layout with the necessary changes.



*Fast component, net, and pin level cross linking between the PCB layout and schematic windows*

## Saves Design Time

The rich features in visECAD save design time as well. Designers and reviewers enjoy dual monitor support for ready viewing, and can view both the schematic and PCB layout. The board Autoflip feature automatically flips the display of the PCB when the user selects a component mounted on the opposite side from the current view. And, visECAD's compressed file format improves download time and reduces storage requirements.

## Hardware Platform

- PC

## Operating Systems

- Windows 2000, XP

## System Requirements

- 20 MB free disk space
- 1 GB system RAM recommended

## License Configuration

- Time based
- Floating: Windows 2000, XP
- FlexLM protected

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