

# AUTOVUE EDA PROFESSIONAL

## KEY FEATURES AND BENEFITS

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- View EDA and Office files
- Add markups and comments
- Access embedded intelligence in a PCB
- Modify layer polarity for Gerber files
- Measure minimum distance between entities across layers
- Bill of Material (BOM) support with ability to select Board Side attributes
- Enhanced Display Modes
- Modify global transparency
- Cross-probe between a PCB layout, its related schematic
- Display entity properties
- Search for EDA elements
- Precise measurements
- Work Offline
- Hold real time collaboration sessions via the web
- Advanced printing capabilities

### KEY BENEFITS

- Extend reach of EDA documents to enterprise users
- Accelerate the PCB design review process
- Minimize costly board spins
- Validate PCB design integrity
- Share documents securely without risking IP
- Drive innovation through improved communication
- Capture audit trail of decisions, changes and approvals

"AutoVue is a major advancement for viewing, reviewing and collaborating on EDA files. Oracle understands our needs, and delivers an enterprise visualization solution that serves the specific requirements of all companies involved in EDA."

—Charlie Davies,  
Principal ECAE  
Application Engineer,  
Harris Corporation

*Oracle's AutoVue EDA Professional, allows printed circuit board (PCB) designers and contract manufacturers to access, view, and securely collaborate via the Web on their PCB layouts and schematics. With support for major electronic design automation (EDA) packages, Microsoft Office, and portable document format (PDF) files, EDA organizations can streamline collaboration with extended teams and suppliers regardless of their choice of PCB tools. Extended teams can collaborate on documents and product information without compromising valuable intellectual property and design communication is greatly improved, achieving faster project completion.*

### Extend the Reach of PCB Layouts & Schematics to all Enterprise Users

AutoVue EDA Professional makes PCB layouts and schematics available to all participants in the design and manufacturing process—design, layout, verification, prototyping, testing, and debugging. Expensive licenses of EDA packages are not required to view, manipulate, and interrogate design and manufacturing files.

With AutoVue EDA Professional users can also work with their EDA designs in an Offline mode. Designers or business travelers can take designs on site or on the road, work offline, and then update their work once they are back on the network.

### Standardize Design Review Processes & Capture Audit Trail

With AutoVue EDA Professional, users can provide global team members with greater visibility into the development process, allowing them to standardize PCB design review and troubleshooting processes on a single solution. AutoVue EDA Professional's markup capabilities enable team members and supply chain partners to easily communicate and track change requests, comments, and feedback and capture a reliable audit trail of all decisions, changes and approvals. This can serve to shorten the design review cycle, reduce the number of costly board spins, and achieve faster time to market.

### Share Documents Securely without Risking Intellectual Property

AutoVue EDA Professional allows users to securely collaborate with extended teams and outsourced partners on sensitive documents without risking a company's valuable intellectual property (IP). AutoVue's unique streaming technology provides access to the full intelligence of documents without transferring the original files to the client desktop; originals never leave the server, and no local temp or cache files are created, ensuring that a company's IP remains protected at all times.

### Drive Innovation through Improved Global Collaboration

AutoVue EDA Professional's built in real-time collaboration capabilities help organizations to connect everyone in the global enterprise. Co-workers and partners alike can communicate as if they were in the same room, even if they are located on the other side of the world. Users can simultaneously review and mark up documents, exchange ideas, assign action items, and resolve design issues in real time.

### Support Green Initiatives

AutoVue 2D Professional can complement and support an organization's green initiatives. Instead of depending on printouts that they manually mark up, users can view, review, and annotate digital files. AutoVue can greatly reduce an organization's printing and paper costs, as well as shipping and handling expenses. AutoVue's real-time Web collaboration can also replace face-to-face meetings, resulting in reduced travel costs, greater energy savings, and improved productivity

### Key Features and Capabilities

**View files from major EDA packages and other document types.** Open, view, and mark up numerous file types including PCB layouts and schematics, Microsoft Office, PDF, and graphics— all without the authoring software and without undergoing costly and error-prone document conversions.

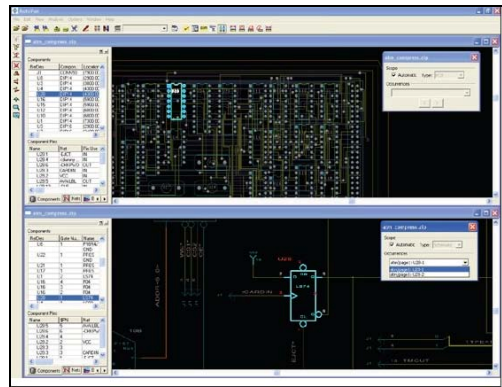


Figure 1: Cross probe between a PCB and its related schematic

**Add markups & comments.** Add markups, as well as sound, video and graphic attachments to your documents. Easily manage and track feedback, change requests, and comments across multiple reviewers. Markups are saved as separate layers on top of the original document, which remains intact and is never altered.

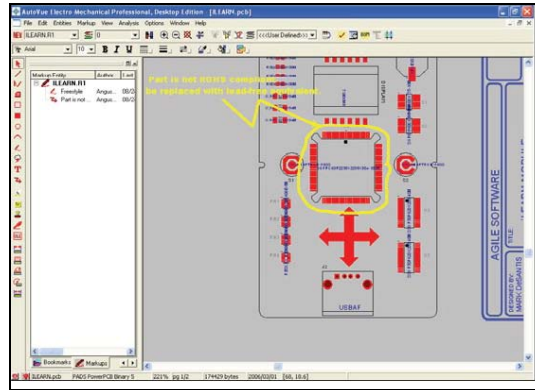


Figure 2: Add markups and comments from multiple reviewers.

**Enable digital sign-off** – Quickly approve markups and comments with digital sign-off. The sign-off stamp contains information about the markup author, date and time of creation. Reviewers can also use AutoVue’s IntelliStamp to electronically sign and stamp document sets with attributes from the back-office system. With IntelliStamp, users can trigger workflow actions directly within documents reviewed in AutoVue, allowing for workflow automation and improved business processes.

### EDA Features and Capabilities

**Access embedded intelligence in PCBs.** Access intelligence in a PCB with attribute querying for traces, nets, components, and geometry library objects.

**Perform precise measurements.** Speed design reviews by precisely measuring to the end point or midpoint of a line, the intersection of two nets, the center of a circle, or any pin/via/symbol origin. Use the Minimum Distance tool to measure proximity of nets, pins, and pads to one another from the edge of the net or the components.

**Search for EDA elements.** Easily search for multiple components, nets, pins, vias, devices, or parts based on a variety of attributes, keywords, and values.

**Compare EDA files:** Determine what has been added, removed, or unchanged in designs by comparing different versions of EDA files. Easily and accurately align and scale drawings while in EDA compare mode.

**Cross-probe between a PCB layout and its related schematic.** Facilitate design reviews and accelerate design verification with powerful cross-probing capabilities. Select a net or component in a schematic and it is instantly located and highlighted in the layout, or vice versa. Find all occurrences of a particular component or net and navigate between them, even if located on multiple sheets of a schematic.

**Validate PCB design integrity.** Test for manufacturability or design violations by setting multiple tolerances or constraints. Then share this information with team members to shorten the design cycle and accelerate production.

**Access entity properties.** Access important entity information without having to drill down into an entity’s details. Entity properties are displayed instantly by hovering the mouse over a specific element of a schematic or PCB layout.

**Navigate layers with ease and control.** Turn physical layers and entity types associated with each layer on and off and bring layers to the top with a mouse click.

**INTEGRATE WITH  
ENTERPRISE  
APPLICATIONS**

ORACLE'S AUTOVUE  
ENTERPRISE VISUALIZATION  
SOLUTIONS

AutoVue solutions can be integrated into existing content management, product lifecycle management, or enterprise applications, such as ALM, & Project Planning to name a few. Integrated with existing enterprise systems, AutoVue connects information, people and processes, delivering anytime, anywhere access to vital information and maximizing business process efficiency.

Teams can better collaborate around their engineering and product documents and make sound business decisions, driving innovation and operational efficiency.

RELATED PRODUCTS

- AutoVue 2D Professional
- AutoVue 3D Professional Advanced
- AutoVue EDA Professional
- AutoVue Office
- AutoVue Mobile
- AutoVue VueLink Integrations

Access layer sets as predefined in the authoring application or define your own.

**Advanced printing.** Save time by automating the printing process—batch print files, customize print settings, and save print configurations.

**Contact Us**

For more information about how your organization can leverage the power of Oracle's AutoVue EDA Professional, please visit [oracle.com/applications/autovue](http://oracle.com/applications/autovue), call +1.800.363.5805 or +1.514.905.8400 to speak to an Oracle representative, or email: [autovuesales\\_ww@oracle.com](mailto:autovuesales_ww@oracle.com).

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