PTC Creo® View ECAD

PROVIDING EASY AND ACCURATE ACCESS TO COMPLEX ELECTRONIC DESIGN DATA

Faced with increasing time-to-market pressures, electronics manufacturers need to resolve issues early in the design process. However more than 50% of today's electronic designs must be changed after prototype testing due to problems that were not identified and communicated, adding costly design spins.

Built upon the production-proven InterComm Expert technology, PTC Creo View ECAD is a high-performance solution that enables visualization, analysis and design verification of schematic and PCB CAD electronic design content. This solution can help electronics and high-tech companies quickly identify and resolve electronic design data issues early in the product development cycle.

Key Benefits

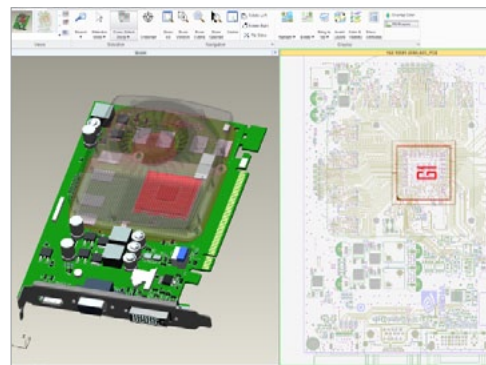### Reduce development time and cost

- Reduce overall design cycle time

- Reduce design review time from days to just hours

- Save weeks or months by eliminating design spins per board

- Realize significant productivity gains in board testing

- Save training time with a consistent look-and-feel across all EDA tools
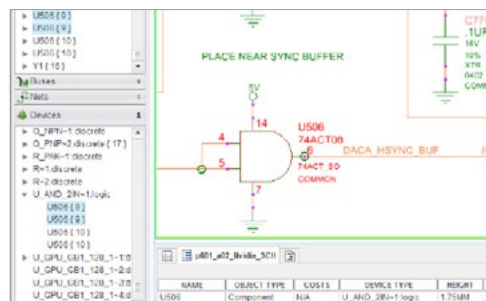
Improve collaboration

- Improve design team communication and coordination

- Reduce design team interruptions

- Improve ease and accuracy of communication among dispersed engineering, test, manufacturing and suppliers

Improve product quality

- Improve design integrity by getting it "right the first time"

- Discover test and repair errors early

- Allow the entire design team to dynamically interact with electronic design data throughout the design and manufacturing stages

Visually integrate ECAD and MCAD information within the same user experience (also requires PTC Creo View MCAD).

Use Multiview cross-select to quickly find components in any data abstraction.

Mitigate test, debug, and repair issues

- Intelligently navigate schematic design data, making test and debug a paperless process

- Find and quickly display the design components in the same orientation as the board being tested

Features

Analyze EDA information

- Isolate objects

- Structural navigation

- Instant visibility toggling

- Quickly trace signal information

- Cross-probe from the schematic to layout without the need for paper plots

- Output BOM, test point and routing topology data to Excel® spreadsheets

Integrate ECAD & MCAD visual collaboration

- Next-generation, truly heterogeneous visual collaboration environment for both ECAD & MCAD

- Enables unique functions, such as cross-probing between ECAD/MCAD abstractions

- Create custom applications using the API to improve the internal process

Expedite design reviews

- Interactively browse the information contained in the schematic or PCB CAD databases without requiring the native EDA tool

- Examine board layout from a true top or bottom orientation with any rotation

- Interactively and simultaneously query multiple objects within ECAD design data to verify design intent

- Follow nets across the schematic by pin function, and trace receivers back to drivers to identify the source of a bad signal

- Search for, measure and highlight detailed placement, net and component data

Enterprise-wide collaboration

- Communicate changes ideas, or markup data back to the EDA user electronically

- Cross-select between the schematic, layout and bill-of-material (BOM)

- Enable visualization of ECAD digital data within PTC Windchill® PDMLink® and PTC Windchill ProjectLink™

- Use in conjunction with native design tools by utilizing cross-highlighting features

EDA partnerships

PTC works closely with the leading EDA vendors and standards committees to gain a detailed, up-to-date understanding of their data formats. These partnerships enable PTC Creo View ECAD to provide an accurate view of EDA data models.

Platform specifications

- Operating systems: Microsoft® Windows®, Linux

- Languages: English, French, German, Italian, Spanish, Japanese, Chinese (Simplified), Chinese (Traditional), Korean

For the most up-to-date platform support information, visit:
PTC.com/partners/hardware/current/support.htm

For more information, visit:
PTC.com/products/creo/view/ecad