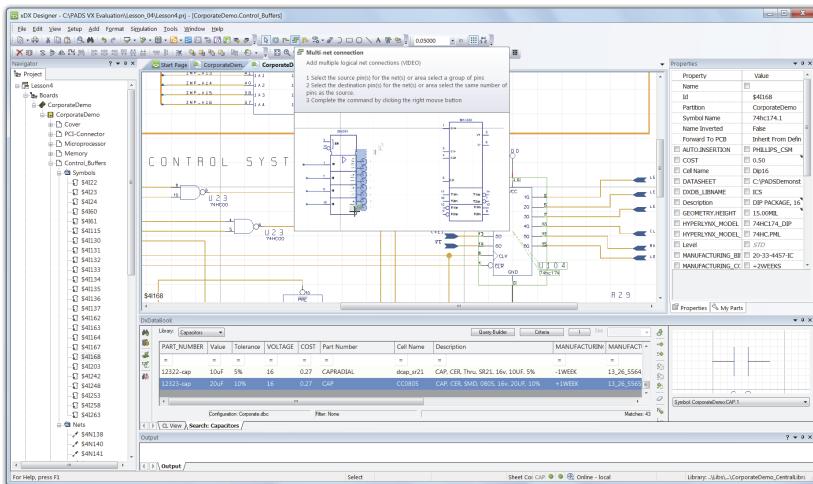




Schematic Design



PADS provides a complete solution for desktop system-design definition.

OVERVIEW

PADS® is powerful and easy-to-use, making the capture and definition of your schematic simple and fast. Intuitive project and design navigation, complete hierarchical support, and advanced tools for design rules and attribute management help you meet your PCB design goals. Achieve efficiency and productivity with schematic enablers like component management, full forward and backward annotation to layout and routing, and a direct link to signal integrity analysis.

You can set and verify your design constraints as early in the schematic design phase as you want. Quick access to the library content makes the search, placement, and verification of new symbols simple. The high level of automation, combined with advanced graphics and extended tool tips, makes it easy and efficient to use PADS, whether you are a frequent or a casual user.

Intuitive and highly scalable, PADS provides a productive design environment that reduces design cycle time. Deep, integrated capabilities enable concurrent design entry, design and component information management, design variants, and analysis and verification.

CONSTRAINT-BASED DESIGN

Use PADS to get your job done right the first time by setting constraints early in the design process. Direct access to constraints during schematic editing shows only the constraints for the objects you've currently selected.

BENEFITS:

- Highly productive and easy-to-use design creation tool
- Broad search & edit capabilities
- Integrated library browser for intuitive parts management
- Table-based design of high-pin-count components
- Full hierarchical support for design reuse

Intuitive and highly scalable, PADS provides a productive design environment that reduces design cycle time. Deep, integrated capabilities enable concurrent design entry, design and component information management, design variants, and analysis and verification.

By setting constraints early in the design cycle, you avoid creating designs that cannot be sourced due to high part costs, or producing boards that do not meet performance or manufacturing requirements.

With PADS you can see the status of all component data, making it easy to choose the optimal part for your design. You can also verify an entire design against the corporate database to ensure that all data are consistent and correct.

MAXIMUM VALUE, MINIMUM EFFORT

PADS is designed to provide powerful schematic capture capabilities while being easy-to-use and intuitive.

Design Automation increases your productivity and minimizes manual work with powerful automation capabilities.

Multi-Net Connections lets you connect symbols with minimum effort, giving you absolute control over how nets are routed. Start your routing by selecting pins, and easily create multiple pin-to-pin connections driven by selection of two pins. Pin direction is indicated by the selection box and intuitively displayed. Selection areas can be viewed in different colors, with +/- modes, depending on the direction.

Automated Manual Routing increases productivity for digital and analog design. With a single mouse click you can drop a net on multiple, pre-placed symbols to create / connect individual nets. You can also drop components on existing nets by opening nets and reconnecting them to dropped components.

With PADS you can automatically move a component placed on a bus, rip the nets, and route them to the component. You can also disconnect nets by area selection.

For the latest product information, call us or visit: www.pads.com

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Corporate Headquarters

Mentor Graphics Corporation
1005 SW Boeckman Road
Vilsonville, OR 97070-7777
Phone: 503.685.7000
Fax: 503.685.1204

Sales and Product Information
Phone: 800.547.3000
ales_info@mentor.com

Silicon Valley

Mentor Graphics Corporation
46871 Bayside Parkway
Fremont, CA 94538 USA
Phone: 510.354.7400
Fax: 510.354.7467

North American Support Center
Phone: 800.547.4303

Europe

Mentor Graphics
Deutschland GmbH
Arnulfstrasse 201
80634 Munich
Germany
Phone: +49.89.57096.0
Fax: +49.89.57096.400

Pacific Rim

Mentor Graphics (Taiwan)
Room 1001, 10F
International Trade Building
No. 333, Section 1, Keelung Road
Taipei, Taiwan, ROC
Phone: 886.2.87252000
Fax: 886.2.27576027

Japan

Mentor Graphics Japan Co., Ltd.
Gotenyama Garden
7-35, Kita-Shinagawa 4-chome
Shinagawa-Ku, Tokyo 140-0001
Japan
Phone: +81.3.5488.3033
Fax: +81.3.5488.3004

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