

## Cadence OrCAD PCB Design Suites

Production-proven, scalable PCB design solutions

Cadence® OrCAD® PCB design suites combine industry-leading, production-proven, and highly scalable PCB design applications to deliver complete schematic entry, simulation, and place-and-route solutions. With these powerful, intuitive tools that integrate seamlessly across the entire PCB design flow, engineers can quickly move products from conception to final output.

To stay competitive in today's market, companies must move their designs from engineering to manufacturing within ever-shrinking design schedules. Available as standalone products or in comprehensive suites, Cadence OrCAD personal productivity tools have a long history of addressing PCB design challenges, whether simple or complex.

The powerful, tightly integrated PCB design technologies include OrCAD Capture for schematic design, various librarian tools, OrCAD PCB Editor for place and route, PSpice® A/D for circuit simulation, OrCAD PCB SI for signal integrity analysis, and SPECCTRA® for OrCAD for automatic routing. Easy to use and intuitive, these tools bring exceptional value and future-proof scalability to the Cadence Allegro® system interconnect design platform to grow with future design demands.

OrCAD PCB design suites provide integrated front-end design and simulation technology (Cadence OrCAD EE Designer) as well as an integrated back-end place-and-route design solution (Cadence OrCAD PCB Designer) to boost productivity and accelerate time to market.

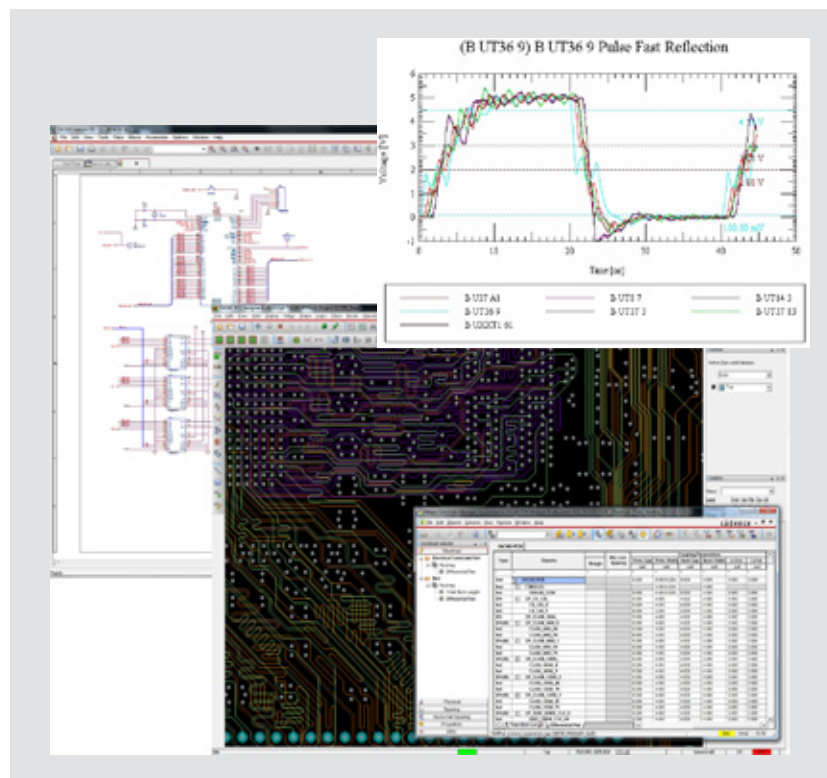


Figure 1: OrCAD PCB design suites provide a complete front-to-back flow environment including schematic capture, place-and-route, interactive and automatic routing, signal integrity analysis, and constraint management

## Benefits

- Future-proof scalability with tiered and segmented technology meets a wide array of PCB design challenges and requirements
- Solutions can be tailored to specific design needs and budget requirements, maximizing investment with a low cost of entry and ownership
- Production-proven and easy-to-use PCB design solutions boost productivity and help meet project schedules
- Tightly integrated applications provide a seamless dataflow, ensuring integrity

## Features

### Production Proven

OrCAD PCB design technologies combine production-proven OrCAD and Allegro technologies into comprehensive front-to-back solutions. Utilized in every market segment and production environments at leading high-tech companies, OrCAD PCB design technologies are proven to help meet aggressive schedules and technology goals in today's challenging design environments.

### Scalability

Unlike other PCB design solutions, OrCAD PCB design suites can grow with future design needs and technology challenges. They provide a feature-rich, fully scalable solution that can be expanded and upgraded as PCB challenges and the level of design sophistication grows.

OrCAD PCB design suites combine both time-proven and new OrCAD technology, and they reflect the Cadence commitment to and investment in powerful, easy-to-use PCB design technology. Technology

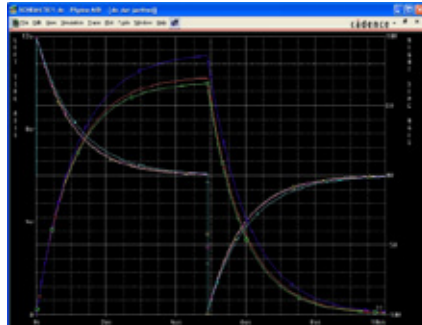


Figure 2: PSpice technology provides a complete simulation environment including simulation, waveform analysis with cross-probing, and bias results display on the schematic

is shared across the OrCAD and Allegro product lines, so the design suites can easily be upgraded from the OrCAD line to the Allegro platform. This migration is done without the need to translate databases or libraries, learn new applications, or change use models.

### Partnerships/Ecosystem

Cadence understands the complex PCB design challenges of today's competitive market and the need for tailored

solutions and support. Through our worldwide network of Cadence Channel Partners (VARs), we're able to better serve a broader customer base with superior sales, support, and service.

Collaboration with third-party vendors/OEMs extend OrCAD and Allegro PCB design solutions, providing complementary and custom design capability. This ecosystem leverages the strengths and synergies of Cadence and third-party technologies for the best possible solution and value to customers.

## Sales, Technical Support, and Training

The OrCAD product line is owned by Cadence Design Systems, Inc., and supported by a worldwide network of Cadence Channel Partners (VARs).

For sales, technical support, or training, contact EMA, a Cadence Channel Partner.

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	OrCAD Capture	PSpice A/D	PSpice Advanced Analysis	OrCAD PCB Editor	SPECCTRA for OrCAD	OrCAD Signal Explorer
OrCAD PCB Designer Standard	•			•		
OrCAD PCB Designer Professional	•			•	•	•
OrCAD PCB Designer Professional with PSpice	•	•	Optional	•	•	•
OrCAD EE Designer	•	•	Optional			
OrCAD EE Designer Plus	•	•	•			

Table 1: OrCAD PCB design suites offer the flexibility to choose a solution tailored to meet specific design needs



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