



# Complete PCB Design Using OrCAD Capture and PCB Editor

By Kraig Mitzner

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## Complete PCB Design Using OrCAD Capture and PCB Editor By Kraig Mitzner

This book provides instruction on how to use the OrCAD design suite to design and manufacture printed circuit boards. The primary goal is to show the reader how to design a PCB using OrCAD Capture and OrCAD Editor. Capture is used to build the schematic diagram of the circuit, and Editor is used to design the circuit board so that it can be manufactured.

The book is written for both students and practicing engineers who need in-depth instruction on how to use the software, and who need background knowledge of the PCB design process.

- Beginning to end coverage of the printed circuit board design process. Information is presented in the exact order a circuit and PCB are designed
- Over 400 full color illustrations, including extensive use of screen shots from the software, allow readers to learn features of the product in the most realistic manner possible
- Straightforward, realistic examples present the how and why the designs work, providing a comprehensive toolset for understanding the OrCAD software
- Introduces and follows IEEE, IPC, and JEDEC industry standards for PCB design.
- Unique chapter on Design for Manufacture covers padstack and footprint design, and component placement, for the design of manufacturable PCB's
- FREE CD containing the OrCAD demo version and design files

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### **Editorial Review**

#### **Review**

Reviews of 1st edition posted on Amazon.com:

I've found this book to be very helpful and exactly what I've been looking for. Kraig Mitzner has done a wonderful job of covering the full spectrum of printed circuit board fabrication. The content spans not only the OrCAD Layout software, but the physical process of PCB fabrication and advanced topics such as RF issues. Written by Jeff Will, Valparaiso University, and posted on Amazon.com.

It is an excellent book to introduce new users to OrCAD Capture and the OrCAD Layout SW packages. It does NOT cover OrCAD PCB Editor which is completely different from OrCAD Layout. (Layout has a very similar user interface to Capture while PCB Editor is based on Cadence Allegro PCB layout package) I have purchased several copies to use in assisting with training new CAD operators on PCB layout and Schematic capture in general. Written by David Bing, RF Engineer, and posted on Amazon.com.

This book is the first book I've read that has relevant up-to-date information on the current version of OrCAD. The book is well written and can be read cover-to-cover or used as a reference. I believe that this book will give a novice designer the information needed to create a circuit board using OrCAD and will give a veteran designer the specifics unique to OrCAD that will help to shorten the learning curve. Written by Brent Gingrich, Red Dot Electronics, and posted on Amazon.com.

This book is great if you've got little experience with OrCAD's Layout and Capture software. It's also a really good go-between if you've played with the software, but don't really want to sit down and read the lengthy technical user's guide for the software. Beyond that, it also gives answers questions about the how's and why's of circuit board design that may be difficult to find outside of working in the industry or taking a class directly. Many outside sources and industry standards are referenced for further information if you need it ...

### **Users Review**

#### **From reader reviews:**

#### **Marvin Gamez:**

This Complete PCB Design Using OrCAD Capture and PCB Editor book is not ordinary book, you have it then the world is in your hands. The benefit you will get by reading this book will be information inside this book incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This specific Complete PCB Design Using OrCAD Capture and PCB Editor without we realize teach the one who examining it become critical in contemplating and analyzing. Don't end up being worry Complete PCB Design Using OrCAD Capture and PCB Editor can bring if you are and not make your bag space or bookshelves' turn out to be full because you can have it in the lovely laptop even mobile phone. This Complete PCB Design Using OrCAD Capture and PCB Editor having good arrangement in word as well as layout, so you will not feel uninterested in reading.

**Julianna Pepper:**

The ability that you get from Complete PCB Design Using OrCAD Capture and PCB Editor is a more deep you looking the information that hide in the words the more you get enthusiastic about reading it. It doesn't mean that this book is hard to understand but Complete PCB Design Using OrCAD Capture and PCB Editor giving you joy feeling of reading. The article author conveys their point in selected way that can be understood by anyone who read that because the author of this publication is well-known enough. This kind of book also makes your own personal vocabulary increase well. Making it easy to understand then can go together with you, both in printed or e-book style are available. We advise you for having this Complete PCB Design Using OrCAD Capture and PCB Editor instantly.

**Caroline Petrie:**

In this era which is the greater particular person or who has ability in doing something more are more valuable than other. Do you want to become considered one of it? It is just simple solution to have that. What you need to do is just spending your time almost no but quite enough to enjoy a look at some books. One of several books in the top record in your reading list is Complete PCB Design Using OrCAD Capture and PCB Editor. This book which can be qualified as The Hungry Mountains can get you closer in getting precious person. By looking upward and review this reserve you can get many advantages.

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