



Printed Circuit Boards: Design, Fabrication, and Assembly (McGraw-Hill Electronic Engineering)

By R. Khandpur

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The printed circuit is the basic building block of the electronics hardware industry. This is a comprehensive single volume self-teaching guide to the art of printed circuit board design and fabrication -- covering the complete cycle of PCB creation, design, layout, fabrication, assembly, and testing.

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Editorial Review

From the Back Cover

THE MOST COMPREHENSIVE TUTORIAL ON THE COMPLETE CYCLE OF PCB CREATION

Clear and [word missing], *Printed Circuit Boards* leads readers through the complete cycle of PCB creation, from design, layout, fabrication, and assembly to final testing. Skirting dense mathematics, the text provides insight and guidance on design challenges brought about by the ever-increasing density of today's microelectronics.

Written by a world-renowned electronics expert, this reader-friendly guide helps engineers and technicians solve issues in PCB layout, fabrication, assembly, and testing. In addition, it is a valuable tool for anyone involved in PCB creation, whether in sourcing, quality, or reliability. It's also an ideal self-teaching tutor for anyone in the electronics industry who wants to understand the challenges at the heart of today's electronics.

Printed Circuit Boards provides up-to-date solutions in:

- High-density interconnects
- CAD/CAM techniques
- Laminates
- Etching
- Soldering
- Environmental issues

For anyone striving to meet the more rigorous density and performance requirements of today's PCBs -- the building blocks of the electronics industry -- this reference will be an essential tool.

DEVELOP CREATIVE SOLUTIONS TO TODAY'S COMPLEX PRINTED CIRCUIT BOARD ISSUES

* Basics * Electronic Components * Layout Planning & Design * Design Considerations for Special Circuits * Artwork Generation * Copper Clad Laminates * Image Transfer Techniques * Plating Process * Etching Techniques * Mechanical Operations * Flexible Printed Circuit Boards * Soldering, Assembly, and Re-working Techniques * Quality, Reliability, and Acceptability Aspects * Environmental Concerns in the PCB Industry

About the Author

R.S. Khandpur, Ph.D., is Director General of Pushpa Gujral Science City, in Kapurthala, Punjab, India. A consultant to the World Health Organization, he is also a Distinguished Visiting Professor at many of India's major colleges and universities. He holds eight patents and has over 50 published research papers to his credit.

Users Review

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Annie Boyd:

Typically the book Printed Circuit Boards: Design, Fabrication, and Assembly (McGraw-Hill Electronic Engineering) has a lot details on it. So when you make sure to read this book you can get a lot of advantage. The book was written by the very famous author. The writer makes some research prior to write this book. That book very easy to read you can find the point easily after reading this book.

Lois Silvey:

Printed Circuit Boards: Design, Fabrication, and Assembly (McGraw-Hill Electronic Engineering) can be one of your starter books that are good idea. We recommend that straight away because this guide has good vocabulary that could increase your knowledge in vocabulary, easy to understand, bit entertaining however delivering the information. The author giving his/her effort to place every word into pleasure arrangement in writing Printed Circuit Boards: Design, Fabrication, and Assembly (McGraw-Hill Electronic Engineering) yet doesn't forget the main position, giving the reader the hottest in addition to based confirm resource data that maybe you can be one of it. This great information may drawn you into brand-new stage of crucial thinking.

Susan Martinez:

Your reading sixth sense will not betray you, why because this Printed Circuit Boards: Design, Fabrication, and Assembly (McGraw-Hill Electronic Engineering) guide written by well-known writer we are excited for well how to make book that could be understand by anyone who all read the book. Written inside good manner for you, still dripping wet every ideas and publishing skill only for eliminate your own personal hunger then you still question Printed Circuit Boards: Design, Fabrication, and Assembly (McGraw-Hill Electronic Engineering) as good book not merely by the cover but also with the content. This is one guide that can break don't assess book by its include, so do you still needing a different sixth sense to pick that!? Oh come on your reading sixth sense already said so why you have to listening to one more sixth sense.

Terry Tatum:

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