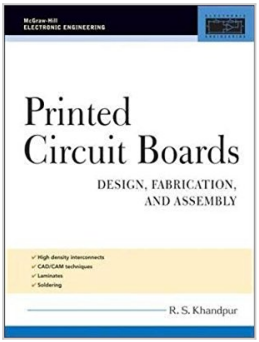

Printed Circuit Boards: Design, Fabrication, and Assembly (McGraw-Hill Electronic Engineering)

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.

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