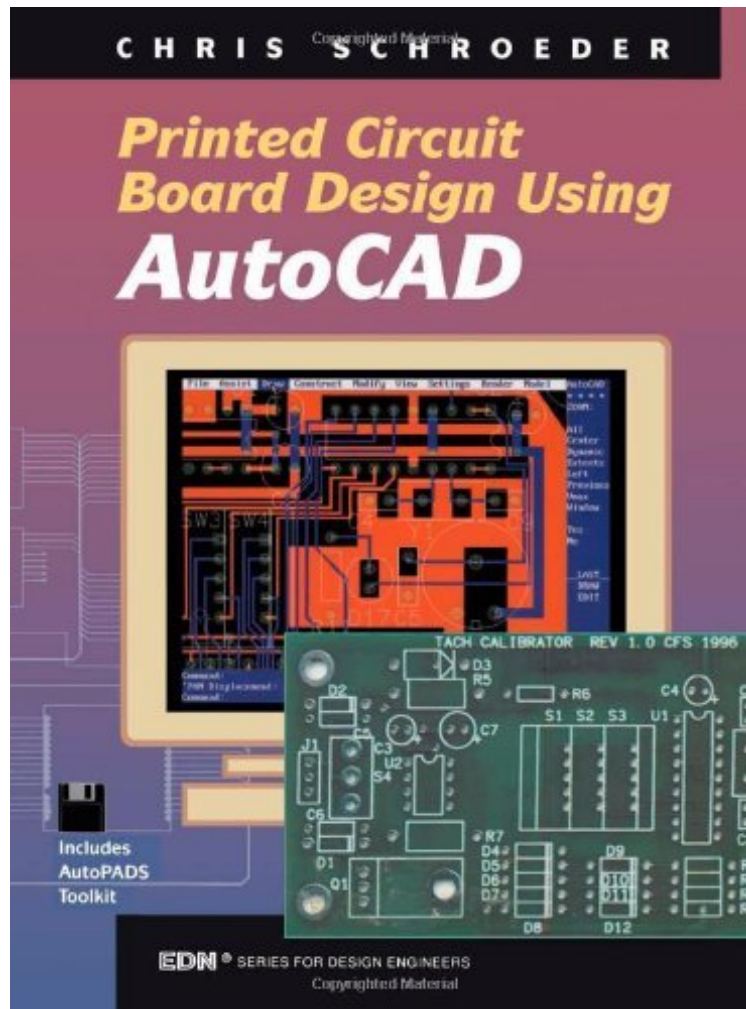


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## PCB Design Using AutoCAD (EDN Series for Design Engineers)

Von Chris Schroeder

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**Von Chris Schroeder : PCB Design Using AutoCAD (EDN Series for Design Engineers)** before purchasing it in order to gage whether or not it would be worth my time, and all praised PCB Design Using AutoCAD (EDN Series for Design Engineers):

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Best technical book I have ever read.Von mars666@bellsouth.netThis book is very well organized. I found it extremely informative. Starts with the history of PC board processes and modern techniques, design and limitation. It guides you through several examples of PC board design and schematic design also. It shows you how to use AutoCad to generate Gerber and Excellon files for PC board House production.The floppy included with the book contains example files that are used in the book. The floppy also contains utilities and librars of symbols and parts.This is a great book. It leaves nothing out. You will find everything here.I really did not know much about how to use AutoCad, but by

reading and working the examples, I learned how professionals use AutoCad. Many technical books leave out key points and jump from subject to subject. Some even change terminology slightly and leave you wondering. Not this one. This book is a precise work. Its clear, that the author is an expert in this field. WHAT A GREAT, LEARNING EXPERIENCE.

Kurzbeschreibung Designing PCBs is made easier with the help of today's sophisticated CAD tools, but many companies' requirements do not justify the acquisition cost and learning curve associated with specialized PCB design software. Printed Circuit Board Design Using AutoCAD helps design engineers and students get the most out of their AutoCAD workstation, showing tips and techniques to improve your design process. The book is organized as a series of exercises that show the reader how to draft electronic schematics and to design single-sided, double-sided, and surface-mount PCBs. Coverage includes drafting schematics, designing PCB artwork, and preparation of detailed fabrication and assembly drawings for PCBs designed on other EDA systems. Appendices on the Gerber and Excellon formats are vital information for anyone involved in professional PCB design. An introductory chapter gives an overview of PCB manufacturing technology and design techniques. In addition to the tips and techniques, the author has provided a copy of AutoPADS, a proprietary toolkit for PCB designers using AutoCAD. The disk includes the AutoPADS conversion utilities, sample files for the book exercises, and AutoCAD libraries for schematic drafting and PCB design. The AutoPADS utilities allow bidirectional transfer of Gerber format photoplotter data and Excellon format numerical control (NC) drill data from AutoCAD. The AutoPADS utilities also allow input of Hewlett-Packard Graphics Language (HPGL) data from other computer-aided design systems into AutoCAD. ABOUT THE AUTHOR Chris Schroeder is the Chief Engineer, Electronics, for Crane Technologies Group, Inc., Daytona Beach, Florida, a leading automotive aftermarket and original equipment supplier. He has 19 years of engineering, marketing, and management experience in the electronics industry and has a broad, yet in-depth technical knowledge of both design and manufacturing. His specialized areas of design expertise include: embedded controls using RISC microcontroller technology, assembly language programming, magnetic design for switching power supplies and ignition coils, and printed circuit board design, including the use of surface mount technology. Integrating PCB design with AutoCAD systems How to draft schematics and design PCBs Interfacing with Gerber, Excellon, and HPGL formats Pressestimmen " ' Aims to help Design engineers and students to get the most from their AutoCAD workstation, showing tips and techniques for improving the design process Booknews Kurzbeschreibung Designing PCBs is made easier with the help of today's sophisticated CAD tools, but many companies' requirements do not justify the acquisition cost and learning curve associated with specialized PCB design software. Printed Circuit Board Design Using AutoCAD helps design engineers and students get the most out of their AutoCAD workstation, showing tips and techniques to improve your design process. The book is organized as a series of exercises that show the reader how to draft electronic schematics and to design single-sided, double-sided, and surface-mount PCBs. Coverage includes drafting schematics, designing PCB artwork, and preparation of detailed fabrication and assembly drawings for PCBs designed on other EDA systems. Appendices on the Gerber and Excellon formats are vital information for anyone involved in professional PCB design. An introductory chapter gives an overview of PCB manufacturing technology and design techniques. In addition to the tips and techniques, the author has provided a copy of AutoPADS, a proprietary toolkit for PCB designers using AutoCAD. The disk includes the AutoPADS conversion utilities, sample files for the book exercises, and AutoCAD libraries for schematic drafting and PCB design. The AutoPADS utilities allow bidirectional transfer of Gerber format photoplotter data and Excellon format numerical control (NC) drill data from AutoCAD. The AutoPADS utilities also allow input of Hewlett-Packard Graphics Language (HPGL) data from other computer-aided design systems into AutoCAD. ABOUT THE AUTHOR Chris Schroeder is the Chief Engineer, Electronics, for Crane Technologies Group, Inc., Daytona Beach, Florida, a leading automotive aftermarket and original equipment supplier. He has 19 years of engineering, marketing, and management experience in the electronics industry and has a broad, yet in-depth technical knowledge of both design and manufacturing. His specialized areas of design expertise include: embedded controls using RISC microcontroller technology, assembly language programming, magnetic design for switching power supplies and ignition coils, and printed circuit board design, including the use of surface mount technology. Integrating PCB design with AutoCAD systems How to draft schematics and design PCBs Interfacing with Gerber, Excellon, and HPGL formats