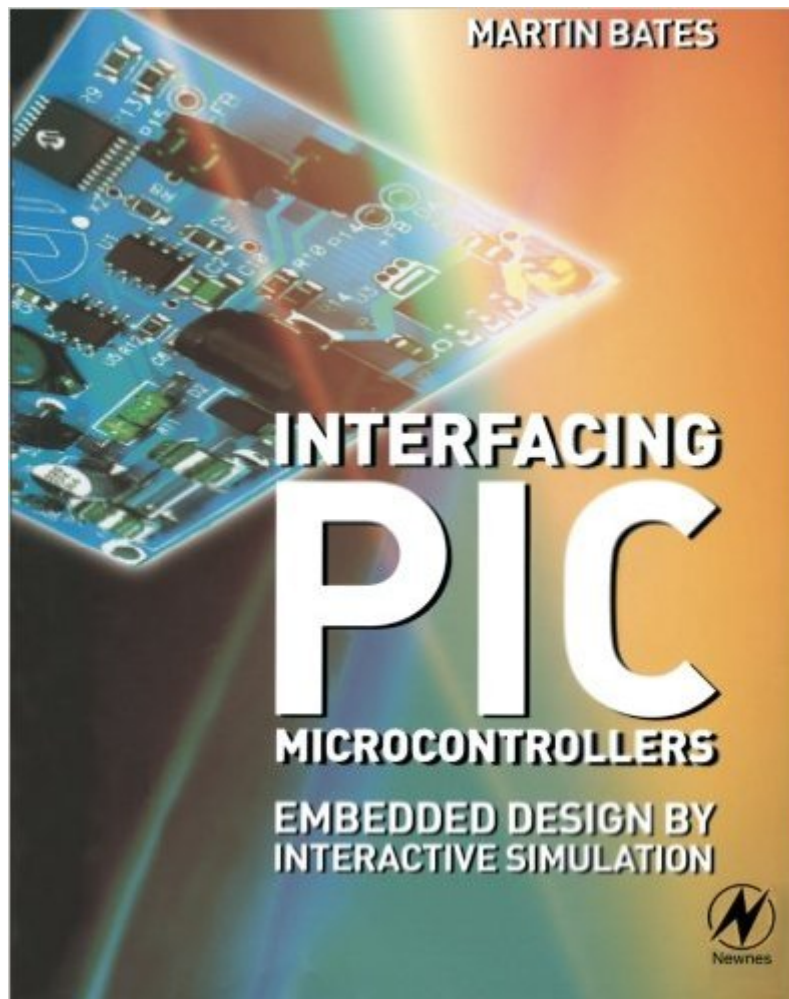# Interfacing PIC Microcontrollers: Embedded Design By Interactive Simulation

## Synopsis

The advent of interactive design software has allowed the simulation of microcontrollers without having to build and debug hardware. Interfacing PIC Microcontrollers: Embedded Design by Interactive Simulation discusses microcontroller design and applications. The book is divided into three parts. Part 1 introduces the PIC 16F877 architecture, software, and simulation system. Part 2 discusses interfacing techniques. Part 3 discusses power outputs, serial communication, sensor interfacing, and the design of MCU-based systems. Each topic is illustrated by designs based on the 16F877. The Proteus design software by Labcenter Electronics is used throughout. The book is suited for more advanced readers with prior knowledge of the basics of microcontroller systems. *Comprehensive coverage of a topic not widely explored in the wealth of PIC books on the market, concentrating on the popular PIC16F877 device*Circuit simulation software allows step-by-step examples, supplied as assembly source code, to be run interactively â " aiding student, technician and hobbyist learning.*A companion website will provide downloads of application files used in the book and links to associated manufacturers

## Book Information

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## Customer Reviews

This book illuminates a tragic flaw in the Kindle. Critical portions of the book such as source code listings and circuit diagrams are in graphical format (figures). The rendering of these crucial items is so small as to make them unreadable. The type size setting has no impact on these graphical objects. Selecting the object and using zoom is also of no help, as these objects are at or near the

size of the kindle screen, so zoom doesn't make them larger. Such materials should be dropped from the Kindle store, or, ideally, should update the firmware to solve this serious deficiency - even a crude solution such as adding a more sophisticated zoom with a pan function would be a help. In the meantime, buy the print version, and let know that we want technical books for the Kindle that we can actually use, not money-wasting junk like this.

Interfacing PIC Microcontrollers, Second Edition: Embedded Design by Interactive Simulation Interfacing PIC Microcontrollers: Embedded Design by Interactive Simulation Programming 8-bit PIC Microcontrollers in C: with Interactive Hardware Simulation Fundamentals of Microcontrollers and Applications in Embedded Systems with PIC Microcontrollers Programming 16-Bit PIC Microcontrollers in C: Learning to Fly the PIC 24 (Embedded Technology) Programming 16-Bit PIC Microcontrollers in C: Learning to Fly the PIC 24 (Embedded Technology) Pap/Cdr Edition by Di Jasio, Lucio published by Newnes (an imprint of Butterworth-Heinemann Ltd ) (2007) Embedded Systems: Real-Time Interfacing to Arm® CortexTM-M Microcontrollers Analog Interfacing to Embedded Microprocessor Systems, Second Edition (Embedded Technology Series) Programming 16-Bit PIC Microcontrollers in C, Second Edition: Learning to Fly the PIC 24 Programming 16-Bit PIC Microcontrollers in C: Learning to Fly the PIC 24 PIC Microcontroller Project Book : For PIC Basic and PIC Basic Pro Compliers Designing Embedded Systems with PIC Microcontrollers, Second Edition: Principles and Applications Programming PIC Microcontrollers with PICBASIC (Embedded Technology) Designing Embedded Systems with PIC Microcontrollers: Principles and Applications Designing Embedded Systems with 32-Bit PIC Microcontrollers and MikroC DESIGNING EMBEDDED SYSTEMS WITH PIC MICROCONTROLLERS, 2ND EDITION by WILMSHURST (2010-05-04) Designing Embedded Systems with PIC Microcontrollers: Principles and Applications by Tim Wilmshurst (24-Oct-2006) Paperback DESIGNING EMBEDDED SYSTEMS WITH PIC MICROCONTROLLERS, 2ND EDITION Property, A Contemporary Approach, 2d (Interactive Casebook) (Interactive Casebooks) (Interactive Casebook Series) Applying PIC18 Microcontrollers: Architecture, Programming, and Interfacing using C and Assembly