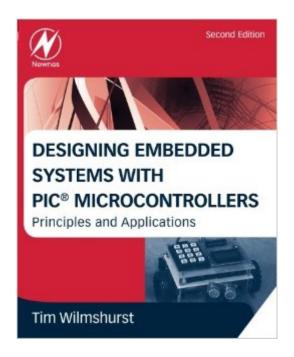
The book was found

Designing Embedded Systems With PIC Microcontrollers, Second Edition: Principles And Applications





Synopsis

PIC microcontrollers are used worldwide in commercial and industrial devices. The 8-bit PIC which this book focuses on is a versatile work horse that completes many designs. An engineer working with applications that include a microcontroller will no doubt come across the PIC sooner rather than later. It is a must to have a working knowledge of this 8-bit technology. This book takes the novice from introduction of embedded systems through to advanced development techniques for utilizing and optimizing the PIC family of microcontrollers in your device. To truly understand the PIC, assembly and C programming language must be understood. The author explains both with sample code and examples, and makes the transition from the former to the latter an easy one. This is a solid building block for future PIC endeavors. New to the 2nd Edition:*Include end of chapter questions/activities moving from introductory to advanced*More worked examples *Includes

PowerPoint slides for instructors *Includes all code snips on a companion web site for ease of use *A survey of 16/32-bit PICs*A project using ZigBee *Covers both assembly and C programming languages, essential for optimizing the PIC*Amazing breadth of coverage moving from introductory to advanced topics covering more and more complex microcontroller families*Details MPLAB and other Microchip design tools

Book Information

Paperback: 704 pages

Publisher: Newnes; 2 edition (December 17, 2009)

Language: English

ISBN-10: 1856177505

ISBN-13: 978-1856177504

Product Dimensions: 7.5 x 1.6 x 9.2 inches

Shipping Weight: 3.2 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars Â See all reviews (24 customer reviews)

Best Sellers Rank: #647,913 in Books (See Top 100 in Books) #15 in Books > Computers &

Technology > Hardware & DIY > Microprocessors & System Design > PIC Microcontroller #72

in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design >

Microprocessor Design #74 in Books > Computers & Technology > Hardware & DIY >

Microprocessors & System Design > Embedded Systems

Customer Reviews

Wow! This is the book for the person who wants to know it all. Forget about the nonsense talk about

the book containing assembler, or C programming examples. Even if you intend to use Melabs Pic Basic, or Pic Basic Pro, it is of immense help, if not a strict requirement, to understand how the chips actually work. This book will fill gaps in what you know about the PIC, or what you think you know about the PIC. True, you can use MeLabs Pic Basic and do some wonderful things with minimal knowledge of the PIC. However, if your goals are lofty, as in building robots, or any complex task, you will love what this book can teach you. The book does not skip on anything. Did you ever read a book and have questions on what you read? That will not happen with this book, it goes into great detail to explain the concepts, and how they apply to a PIC. The best PIC programmers do know something about assembler. This does not mean they write their projects in assembler, but some routines are best written in assembler for speed, and compactness. True, the book has a lot of drawings taken directly from the PIC application notes, but what they didn't tell you was that the author ads his own notes to point out some things that may not be so obvious. The author shows the notes, then there are notes to explain it all. Is there a better way to learn? NO, there isn't. You will be told to use the application notes for whatever PIC you intend to work with, so what could be better than knowing how to read them, and understand them? Every book I have read, or glanced through all said the same thing, "Get the app notes on the PIC you are working with first." The programming examples can only help in giving the reader a greater understanding.

Download to continue reading...

Designing Embedded Systems with PIC Microcontrollers, Second Edition: Principles and Applications Designing Embedded Systems with PIC Microcontrollers: Principles and Applications Designing Embedded Systems with PIC Microcontrollers: Principles and Applications by Tim Wilmshurst (24-Oct-2006) Paperback Fundamentals of Microcontrollers and Applications in Embedded Systems with PIC Microcontrollers DESIGNING EMBEDDED SYSTEMS WITH PIC MICROCONTROLLERS, 2ND EDITION by WILMSHURST (2010-05-04) DESIGNING EMBEDDED SYSTEMS WITH PIC MICROCONTROLLERS, 2ND EDITION Designing Embedded Systems with 32-Bit PIC Microcontrollers and MikroC 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) Programming 16-Bit PIC Microcontrollers in C: Learning to Fly the PIC 24 (Embedded Technology) Programming 16-Bit PIC Microcontrollers in C, Second Edition: Learning to Fly the PIC 24 Interfacing PIC Microcontrollers, Second Edition: Embedded Design by Interactive Simulation 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 Programming PIC Microcontrollers with PICBASIC (Embedded Technology) Interfacing

PIC Microcontrollers: Embedded Design by Interactive Simulation Embedded Systems: Real-Time Operating Systems for Arm Cortex M Microcontrollers Linux for Embedded and Real-time Applications, Second Edition (Embedded Technology) Analog Interfacing to Embedded Microprocessor Systems, Second Edition (Embedded Technology Series) Real-Time UML Workshop for Embedded Systems, Second Edition (Embedded Technology) Microcontrollers: Fundamentals and Applications with PIC

<u>Dmca</u>