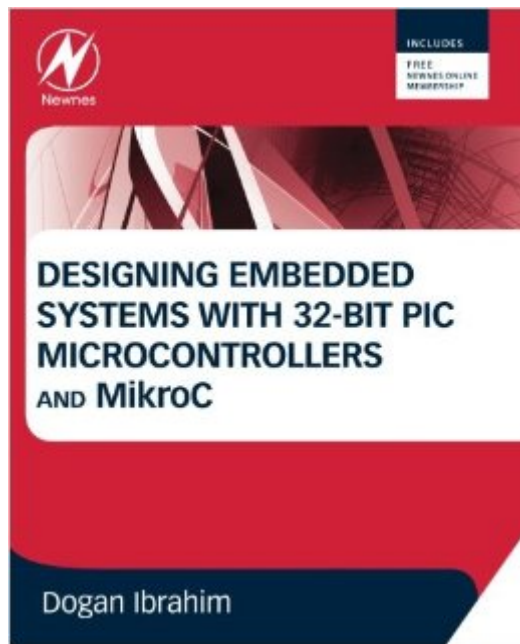


The book was found

Designing Embedded Systems With 32-Bit PIC Microcontrollers And MikroC



Synopsis

The new generation of 32-bit PIC microcontrollers can be used to solve the increasingly complex embedded system design challenges faced by engineers today. This book teaches the basics of 32-bit C programming, including an introduction to the PIC 32-bit C compiler. It includes a full description of the architecture of 32-bit PICs and their applications, along with coverage of the relevant development and debugging tools. Through a series of fully realized example projects, Dogan Ibrahim demonstrates how engineers can harness the power of this new technology to optimize their embedded designs. With this book you will learn:

- The advantages of 32-bit PICs
- The basics of 32-bit PIC programming
- The detail of the architecture of 32-bit PICs
- How to interpret the Microchip data sheets and draw out their key points
- How to use the built-in peripheral interface devices, including SD cards, CAN and USB interfacing
- How to use 32-bit debugging tools such as the ICD3 in-circuit debugger, mikroCD in-circuit debugger, and Real Ice emulator
- Helps engineers to get up and running quickly with full coverage of architecture, programming and development tools

Logical, application-oriented structure, progressing through a project development cycle from basic operation to real-world applications Includes practical working examples with block diagrams, circuit diagrams, flowcharts, full software listings and an in-depth description of each operation

Book Information

Paperback: 480 pages

Publisher: Newnes; 1 edition (November 19, 2013)

Language: English

ISBN-10: 0080977863

ISBN-13: 978-0080977867

Product Dimensions: 7.5 x 1.1 x 9.2 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #396,464 in Books (See Top 100 in Books) [#8 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > PIC Microcontroller](#) [#36 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Microprocessor Design](#) [#38 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Embedded Systems](#)

Customer Reviews

Much too much of the book was spent on number systems rather than the PIC32 specifically. While it

had some good content, I think the page count could have been better spent concentrating on the PIC32 features rather than binary arithmetic and the MikroC environment. The book title is a little misleading in this respect. However, having said that, if the content contained in it is what you're after, then he does a very good job explaining it.

I was in the middle of a project on the EasyPIC Fusion development board, with a rusty knowledge of C. I found what I needed here. Well written, reasonably comprehensive with some good examples.

This is one of the best books I came across on PIC32 family of microcontrollers. The author gives the basic architecture of the 32-bit microcontrollers. Then, the C programming language is given. The best part of the book is the lots of projects given using the 32-bit microcontrollers. Highly recommended.

[Download to continue reading...](#)

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) 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, Second Edition: Learning to Fly the PIC 24 Programming 16-Bit PIC Microcontrollers in C: Learning to Fly the PIC 24 Fundamentals of Microcontrollers and Applications in Embedded Systems with PIC Microcontrollers 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 DESIGNING EMBEDDED SYSTEMS WITH PIC MICROCONTROLLERS, 2ND EDITION by WILMSHURST (2010-05-04) DESIGNING EMBEDDED SYSTEMS WITH PIC MICROCONTROLLERS, 2ND EDITION Programming 8-bit PIC Microcontrollers in C: with Interactive Hardware Simulation Programming 32-bit Microcontrollers in C: Exploring the PIC32 (Embedded Technology) PIC Microcontroller Project Book : For PIC Basic and PIC Basic Pro Compilers Programming PIC Microcontrollers with PICBASIC (Embedded Technology) Interfacing PIC Microcontrollers, Second Edition: Embedded Design by Interactive Simulation Interfacing PIC Microcontrollers: Embedded Design by Interactive Simulation Modern X86 Assembly Language Programming: 32-bit, 64-bit, SSE, and AVX Embedded Systems: Real-Time Operating Systems for

Arm Cortex M Microcontrollers Embedded Systems with ARM Cortex-M Microcontrollers in Assembly Language and C

[Dmca](#)