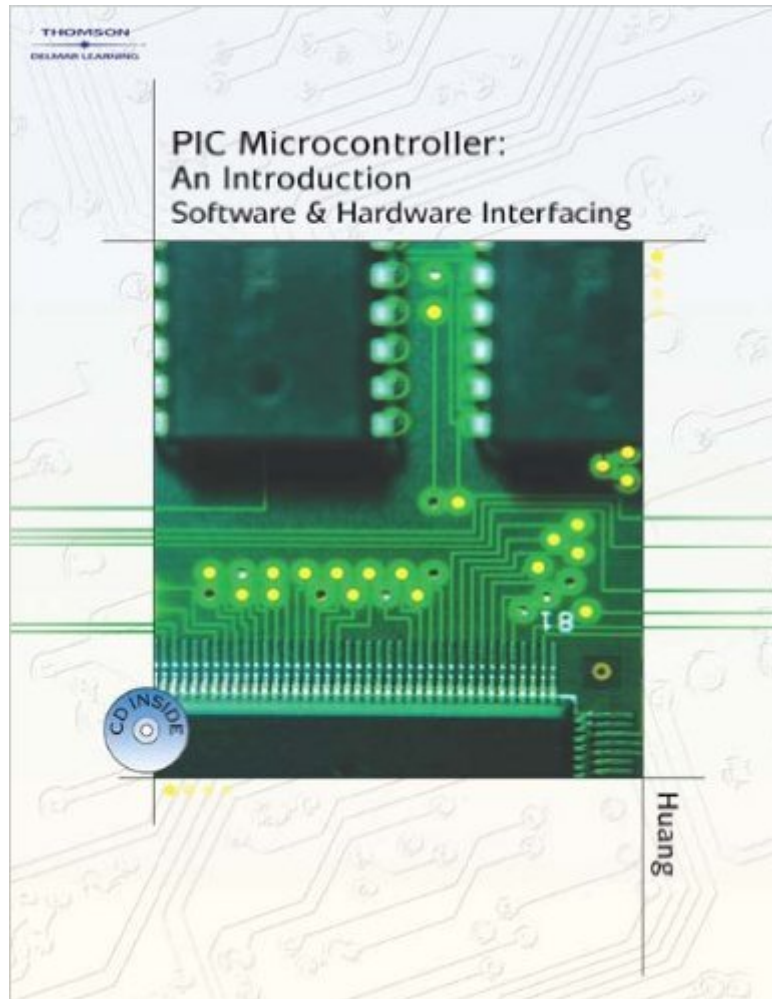The book was found

PIC Microcontroller: An Introduction To Software & Hardware Interfacing

Synopsis

This book presents a thorough introduction to the Microchip PIC microcontroller family, including all of the PIC programming and interfacing for all the peripheral functions. A step-by-step approach to PIC assembly language programming is presented, with tutorials that demonstrate how to use such inherent development tools such as the Integrated Development Environment MPLAB, PIC18 C compiler, the ICD2 in-circuit debugger, and several demo boards. Comprehensive coverage spans the topics of interrupts, timer functions, parallel I/O ports, various serial communications such as USART, SPI, I2C, CAN, A/D converters, and external memory expansion.

Book Information

Hardcover: 816 pages

Publisher: Cengage Learning; 1 edition (July 1, 2004)

Language: English

ISBN-10: 1401839673

ISBN-13: 978-1401839673

Product Dimensions: 1.5 x 8.2 x 9.5 inches

Shipping Weight: 3.4 pounds (View shipping rates and policies)

Average Customer Review: 3.8 out of 5 stars See all reviews (12 customer reviews)

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Customer Reviews

I have virtually all of the major PIC books available and thisone is, by far, the best PIC18 book on the market. That may bebecause it is written as a textbook by an obviously experiencedacademic as well a microprocessor engineer. Each chapter followsa natural progression from the basics of instruction set, tooluse such as MPLAB, assembly, C programming, andon to the details of the PIC18 architecture.Its clear organization makes it equally useful as a referenceand may be dipped into for solutions to many PIC issues such asI2C, timer and A/D use and interfacing details for many applications.For the earlier PIC16, the best reference is "The Quintessential PIC Microcontroller"by Sid Katzen for many of the same reasons.Buy these two books and you have both the PIC16 and PIC18 covered.

Having a background in software development (C/C++), having written a lot of assembly language in the distant past, and being familiar with processor architecture, I found the book to be straightforward and useful to me. I was able to make rapid progress through the text, sometimes skipping ahead to sections to find just what I needed. Plenty of useful source code in both asm and C as well. The professor who wrote this put together what seems like a very clean, easy to understand text (where "easy" may depend on your background - I found it easy). It is true that you can probably find much of the information in the processor specification PDF file available from Microchip or in other online sources, yet I found it very convenient to have it all available in one organized textbook. I do recommend the book for others wishing to learn more about the PIC18.

Writing style is clear and easy to follow. Detailed and straightforward explanations.I bought this book in 2016 because I had to instruct students in a lab-based course, and they had learnt PIC18F MCU in a previous course, from this book. I had no exposure to PIC MCUs before but I have a background on CPU architecture and assembly programming based on the 86x processors. The book fulfilled its purpose for me and I had no difficulties following along.

This is a great Ã Â C book that teaches with the PIC18 series. All examples in the book cover ASM and C18 code. I wish such a book were available for other Ã Â Cs. I would recommend this book for anyone looking to get started with PICs, especially if your using a PIC18.

WORST BOOK EVER. seriously- hardest book to reference; even the teacher had trouble with it- unfortunately, its the only book out there for this microcontroller :/

Good Book, not very interesting subject. Just a book that we have to buy for our class. Edition changed quickly, but content are almost identical.

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