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Interfacing PIC Microcontrollers, Second Edition: Embedded Design By Interactive Simulation



Synopsis

Interfacing PIC Microcontrollers, 2nd Edition is a great introductory text for those starting out in this field and as a source reference for more experienced engineers. Martin Bates has drawn upon 20 years of experience of teaching microprocessor systems to produce a book containing an excellent balance of theory and practice with numerous working examples throughout. It provides comprehensive coverage of basic microcontroller system interfacing using the latest interactive software, Proteus VSM, which allows real-time simulation of microcontroller based designs and supports the development of new applications from initial concept to final testing and deployment. Comprehensive introduction to interfacing 8-bit PIC microcontrollers Designs updated for current software versions MPLAB v8 & Proteus VSM v8 Additional applications in wireless communications, intelligent sensors and more

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Customer Reviews

Glad I got this book on loan from my library and didn't buy it. I hoped it would have some info on interfacing a thermocouple to a uC. The book just gave passing mention of thermocouples and that was it. No circuits, nothing. I thumbed through a few other chapters and there just seemed to be mostly generic info and the occasional vague schematic. Not exactly the interfacing cookbook I was hoping for. A thin book in every sense of the word.

This book is a good book for a beginner to learn how to interface PIC microcontroller with hardware peripherals. I love it although there are not so many application examples and technical details of a PIC MCU. Many technical details of a PIC MCU can be found in related datasheet which can be downloaded on Microchip website. Technical details of different PIC MCUs used to vary but the working principle is the same. Even if you do not have Proteus VSM, using this book with a PICDEM development kit or the new released curiosity board with PIC16F1619 and a free MPLAB X IDE which can be downloaded on Microchip website, you can practice with ASM coding.

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