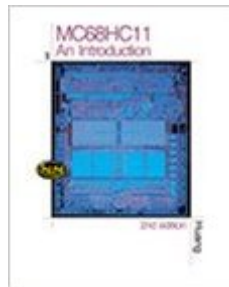The book was found

MC68HC11: An Introduction - Software And Hardware Interfacing, 2nd Edition

Synopsis

The new, second edition of this comprehensive book on the 68HC11 microcontroller from Motorola is unique in that it uses both the assembly language (for better hardware control and execution time) and the C language (for faster projection completion) to instruct readers in the basics of interface programming. Now featuring greater numbers of exercises in every chapter - plus new tutorials on the EVB and CMD11-A8 demo boards and use of the C compiler - this edition of MC68HC11-An Introduction utilizes a methodical, step-by-step approach to facilitate learning. Numerous examples are also featured throughout the book to ensure complete understanding of topics, such as: assembly language programming, I/O interface programming in C, memory interfacing, interrupt and rest processing, parallel I/O interfacing, serial communication port, SPI interfacing, and data acquisition. And an all-new chapter serves as a C programming refresher course, while the incorporation of flowcharts and/or algorithmic procedures for most programs aids in the reader in acquiring an overall understanding of program logic. Improved coverage of multi-precision division, updated LCD interfacing examples, discussion of the i8225 interfacing chip, plus detailed coverage of humidity and sensor signal processing is also featured in this edition.

Book Information

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Customer Reviews

This was a required text for my University's Microprocessor Applications as we are working with the MC68HC IC. It is fairly thorough in its resources and has served well as a supplement to the course.

This book has great examples of coding. The book will step through an example, then give more examples for you to try with solutions. The book's appendix is packed full of good references. It includes the assembly language op codes with details on the CCR changes, and ASCII table, review of binary and 2's compliment arithmetic operations, and more. This is a great reference or addition to any books you currently have.

Considering the book is presented as an introduction to the HC11, one would think the author would cover the assembly language in more detail. Instead, there is only one chapter devoted to HC11 assembly. The author also includes a chapter on C programming. Given that most are going to program using assembly, the C programming chapter seems extraneous. To his credit, the author does include many examples, but proficiency in HC11 assembly is a must.

Many applications to help understand how data is processed. The disc has all the necessary software to get you going and the accessory application circuits demonstrate how it works in the real world

Absolute waste of money. The Motorolla website has more information than does this book. The author has made many many mistakes on about 60% of his sample problems. DON'T BUY.

Great book for a beginner. Starts from basics, describing what a microprocessor is and goes on to more advanced materias and features of the HC-11/ HC-11 microcontroller.

Assembly language is very wide so is almost impossible to have one book that have a good introduction to it. This books does the trick for the Mc 68Hc11.

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