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# Microcomputer Engineering (3rd Edition)



## Synopsis

This complete book and laboratory manual focuses on microcomputers and microprocessors used as control devices (e.g., the Motorola 68HC11). It includes extensive material on using the Motorola M6HC11EVB and M68HC11EBU Trainers and encourages hands-on learning. KEY TOPICS

Specific chapter topics cover computer fundamentals, instruction subset and machine language, assemblers and assembly language, program structure and design, advanced assembly language programming, hardware, advanced 68HC11 hardware, real-time operating systems, and real-time system design. For individuals studying, for the first time, microcomputers/microcontrollers.

## Book Information

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## Customer Reviews

This book contains lots of examples and source code so students/readers can get a firm grasp on the programming constructs of the HC11 language. Yet, it lacks in its examples with interfacing. There are no examples that would show one how to actually wire completely an external device to the EVBU board.

This was used as the textbook in my assembly language and computer organization class in college. It's a great introductory guide to assembly, written in an approachable style. Typical introductory topics such as carry out operations and branching are explained in a straightforward manner since this book is written by a single engineer. I remember using the reference section at the back of the book to look up op codes during exams, fun stuff.

This book is truly entertaining. The author does a good job explaining the technique stuff and sprinkles the book with jokes.

It's okay, the author has a cruel sense of humor, e.g. "BNE: This just wastes time and space", otherwise even more useless. etc, almost as bad as my professor at explaining things. Also no practical examples.

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