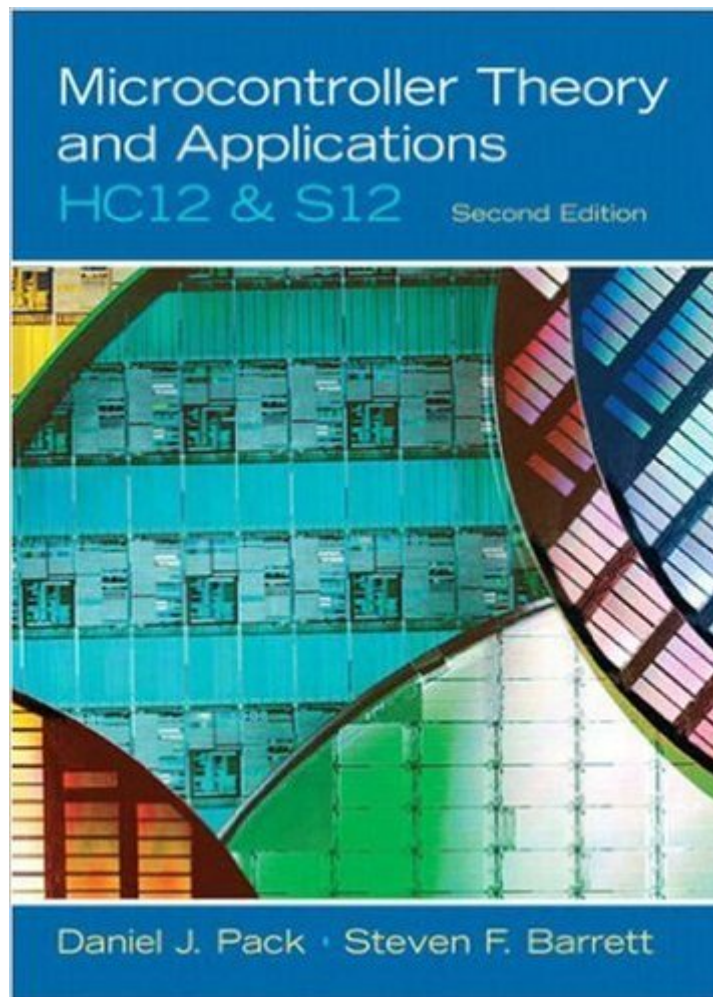# Microcontroller Theory And Applications: HC12 And S12 (2nd Edition)

Synopsis

This book provides readers with fundamental assembly language programming skills, an understanding of the functional hardware components of a microcontroller, and skills to interface a variety of external devices with microcontrollers.   Chapter topics cover an introduction to the 68HC12, 68HC12 assembly language programming, advanced assembly programming, fuzzy logic, hardware configuration, exceptionâ ”resets and interrupts, the 68HC12 clock module and standard timer module (TIM), the 68HC12 memory system, analog-to-digital (ATD) converter, and 68HC12 communications systemâ ”multiple serial interface.   For electrical and computer engineers. Â Â

Book Information

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Customer Reviews

Actually I was very shocked to show up to the first day of my Microcomputer Systems I class to find out that this book was written by the ECE chair at my school (I am an undergraduate in Computer Engineering)! If your looking to master the basics of working with Microcontrollers to more advanced concepts this book is for you! I believe this book was written for two Microcontrollers by Freescale Semiconductor. The book introduces you to lots theory and gives you general ideas on how to apply it. These Microcontrollers can be programmed in an IDE called Freescale Codewarrior (Great IDE) in C or assembly (Some examples but don't expect full tutorials). This is a great book if you've got a good background on Digital Logic Design and are looking to learn more advanced Computer Engineering. Takes two semesters to finish this book at my school.

Book has a clear Index to look up keywords when searching for specific information. Also contains an appendix of the instruction set (Could you a more clear Key though). A handy 32 bit (WILL NOT INSTALL ON A 64BIT COMPUTER) development software is included in the back. Very nice debugger.The text its self is clear and easy to read. Could use more complete coding examples though.

Great book! Comes with a CD in the back with an assembler and NOT an ebook (bummer) But still overall the book is great and shipped in great condition.

this book is really helpful in understanding the theory. the code is complicated but this book really helps . i strongly recommend it for EE students.

This book has come in handy for my son in his college courses and I would recommend this service as it was as advertized.

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