



Introduction to Microcontrollers: Architecture, Programming, and Interfacing for the Freescale 68HC12 (Academic Press Series in Engineering)

G. Jack Lipovski

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This book is a comprehensive, introductory text/reference for electrical and computer engineers and students with little experience with a high-level programming language. It systematically teaches the programming of a microcontroller in assembly language, as well as C and C++. This book also covers the principles of good programming practice through top-down design and the use of data structures. It is suitable as an introductory text for a first course on microcomputers that demonstrates what a small computer can do.

- Shows how a computer executes instructions;
- Shows how a high-level programming language converts to assembler language;
- Shows how a microcontroller is interfaced to the outside world;
- Hundreds of examples, experiments, "brain-teasers" and motivators;
- More than 20 exercises at the end of each chapter;
- Complete solutions manual available for Instructors;
- CD includes example code from book as well as the MetroWerks CodeWarrior C++ compiler.

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