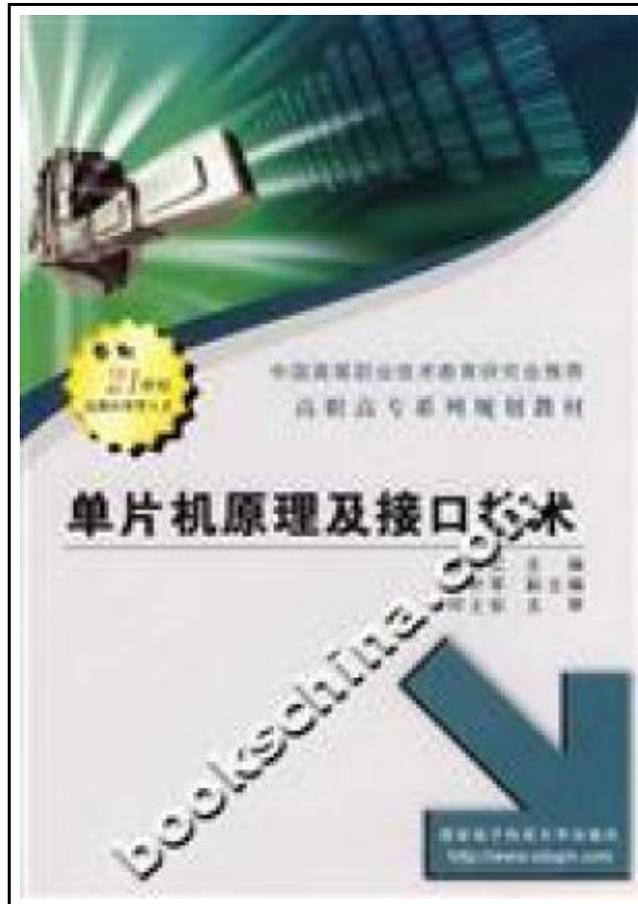# Microcontroller Theory and Interface Technology

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Reviews

This pdf is indeed gripping and interesting. It is definitely simplistic but shocks within the 50 percent of your book. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Michael Spinka)

MICROCONTROLLER THEORY AND INTERFACE TECHNOLOGY

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Publisher: Xidian University Press Pub. Date:. The book describes the main line AT89C51 microcontroller theory and applications. AT89C51 and assembly language programming. and cited a number of application examples. The book is divided into 10 chapters. including basic knowledge of the microcontroller. AT89C51 and principles of the internal structure. instruction set. assembly language programming. system expansion. serial communication. AD converter. DA converter and interface technology. Book is concise and practical. easy to understand explanations. and a large number of application examples. can be used as specialty electronics applications. vocational college courses related to materials. but also as a microcontroller application development and technical personnel of the reference books. Contents: Chapter 1 Microcontroller Basics 1.1 Overview 1.1.1 microprocessor chip. the concept of single-chip microcomputer and microcontroller 1.1.2 Development 1.1.3 ATMEL 89 Series single-chip microcomputer in 1.2 Introduction to number representation and number systems 1.2.1 The conversion between the number of micro-computer system used in the conversion between number systems 1.2.2 1.3 1.3.1 binary arithmetic computing logical operations 13.2 1.4 computer code system and code 1.4.1 of the original code. code. and anti- complement coding commonly used microcomputer 1.4.2 Exercises and thinking problems in Chapter 2 AT89C51 microcontroller chip structure and principles 2.1 AT89C5l structure 2.1.1 CPU (CPU) 2.1.2 2.1.4 Memory 2.1.3 IO port time timer counter interrupt system 2.1.6 2.1.5 2.2 AT89C51 MCU internal bus pins and their functions 2.2.2 Function 2.2.1 IO port crystal pin external power cable 2.2.3 2.2.4 2.3.1 Line of Control 2.3 AT89C51 program memory 2.3.2 Data Memory work Memory 2.4 AT89C51 microcontroller reset 2.4.2 2.4.1 2.4.3 program execution mode power saving modes 2.4 EPROM programming and verification methods 2.5 AT89C51 clock and timing circuits and...

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