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PIC microcontrollers are used worldwide
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8-bit PIC which this book focuses on is a
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depth treatment of microcontroller design, programming in both assembly language and C, and features advanced topics such as networking and real-time operating systems.

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Microcontroller Overview Peatman, John.
Embedded Design with the PIC18F452
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Figure 7 □ Microchip's PIC

microcontroller line comes in many versions . As with the Atmel AVR line of microcontrollers, PIC controllers are very popular with electronic hobbyists and makers. If you need a low cost 8-bit or 16-bit, or even a 32-bit controller for your

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Peatman, then a PIC microcontroller can be a good, low-cost choice.

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This book is developed around Microchip's latest family of parts, the PIC18FXXX family. It focuses on the PIC18F452, a new part brought to market

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in May 2002. It is intended that the reader will find a smooth path to the creative process of writing enhanced application code. This book attempts to organize and unify the development of these three capabilities: to understand and use components, to exploit powerful algorithmic processes, and to break down

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the complexity of an instrument or device so as to meet its specifications. The book is dedicated toward the development of creative design capability. Throughout this book, the approach taken is to introduce a template of assembly language code that encompasses a set of features of the PIC18F452 plus its interactions with some

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of the I/O devices resident on a small 4"x4" development board. For electrical engineers who work with the PIC18FXXX family.

This book guides a PIC user from their first sight of a PIC microcontroller to making the PIC work in the real world.

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Detailed examples show just how powerful and useful a PIC can be. Explanations are short and simple enough to let a reader get to grips with the PIC without fuss.

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Peatman, with full presentation given to
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PIC family. *Learn how to program in
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[student' version of the C complier.

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*Just months after the introduction of the new generation of 32-bit PIC microcontrollers, a Microchip insider and acclaimed author takes you by hand at the exploration of the PIC32 *Includes handy

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checklists to help readers perform the most common programming and debugging tasks The new 32-bit microcontrollers bring the promise of more speed and more performance while offering an unprecedented level of compatibility with existing 8 and 16-bit PIC microcontrollers. In sixteen engaging chapters, using a

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parallel track to his previous title dedicated to 16-bit programming, the author puts all these claims to test while offering a gradual introduction to the development and debugging of embedded control applications in C. Author Lucio Di Jasio, a PIC and embedded control expert, offers unique insight into the new 32-bit

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Architecture while developing a number of projects of growing complexity.

Experienced PIC users and newcomers to the field alike will benefit from the text's many thorough examples which demonstrate how to nimbly side-step common obstacles, solve real-world design problems efficiently and optimize

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and *the PIC32 Starter Kit *accessing
mass-storage media *generating audio and
video signals *and more! TABLE OF
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guide on the market. Designing Embedded
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Interface Inter-Integrated Circuit Bus
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John Morton offers a uniquely concise and practical guide to getting up and running with the PIC Microcontroller. The PIC is one of the most popular of the microcontrollers that are transforming electronic project work and product design, and this book is the ideal introduction for students, teachers,

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Peatman and electronics enthusiasts.

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