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microcontroller to use for a given application. Since costs are important, it is only logical to select the cheapest device that matches the application's needs. As a result, microcontrollers are generally tailored for specific applications, and there is a wide variety of microcontrollers to choose from.

Introduction to Microcontrollers

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Microcontroller Theory and Applications with the PIC18F, Second Edition. M. Rafiquzzaman. © 2018 John Wiley & Sons, Inc. Published 2018 by John Wiley & Sons, Inc. 383. APPENDIXC: PIC18FINSTRUCTIONSET. (AlphabeticalOrder) Instruction Example Operation.

PIC18F Instruction Set (Alphabetical Order)

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26 Microcontroller Theory and Applications with the PIC18F Note that the stack is a LIFO (last in, firstout) memory. As mentioned earlier, a stack is typically used during subroutine CALLS. The CPU automatically PUSHes the return address onto a stack after executing a subroutine CALL instruction in the main program.

Please replace the following pages in the book.

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390 Microcontroller Theory and Applications with the PIC18F TABLE 24-1: OPCODE FIELD DESCRIPTIONS Field Description a RAM access bit a = 0: RAM location in Access RAM (BSR register is ignored) a = 1: RAM bank is specified by BSR register bbb Bit address within an 8-bit file register (0 to 7). BSR Bank Select Register.

PIC18F Instruction Set â Details

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