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| Nota di contenuto | Chapter 2. Intuitive Digital Signal Processing2.1 Foundational Concepts for Signal Processing; 2.2 Issues Related to Signal Sampling; 2.3 How to Analyze a Sensor Signal Application; 2.4 A General Sensor Signal-processing Framework; 2.5 Summary; Chapter 3. Underneath the Hood of the dsPIC DSC; 3.1 The dsPIC DSC's Data Processing Architecture; 3.2 Interrupt Structure; 3.3 The On-chip Peripherals; 3.4 Summary; Chapter 4: Learning to be a Good Communicator; 4.1 Types of Communications; 4.2 Communication Options Available on the dsPIC30F; 4.3 High-level Protocols; 4.4 Summary<br>C.3 Reading Data From the InterfaceC.4 Writing Data to the Interface; Index |
| Sommario/riassunto | Intelligent seonsors are revolutionizing the world of system design in everything from sports cars to assembly lines. These new sensors have |

abilities that leave their predecessors in the dust! They not only measure parameters efficiently and precisely, but they also have the ability to enhance and interupt those measurements, thereby transformng raw data into truly useful information.Unlike many embedded systems books that confine themselves strictly to firmware and software, this book also delves into the supporting electronic hardware, providing the reader with a complete understand