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| Descrizione fisica      | 1 PDF (viii, 383 pages) : illustrations, digital file   |
| Collana                 | Society of Automotive Engineers. Electronic publications.   |
| Disciplina              | 629.2/73  |
| Soggetti                | Automobiles - Electronic equipment - Computer networks<br>Automotive computers<br>Computer interfaces<br>Data transmission systems<br>Multiplexing  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di bibliografia    | Includes bibliographical references.  |
| Nota di contenuto       | Introduction -- Historical Perspective -- Background -- Onboard Diagnostics (OBD) -- Encoding -- Error Handling -- Media Characteristics -- The Vehicle Level -- The Electronic Control Unit (ECU) Level -- The Integrated Circuit (IC) Level -- Electromagnetic Capability (EMC) -- What Is a Standard? -- Class A Protocols -- Class B Protocols -- Class C Protocols -- Diagnostic Protocols, Airbag Protocols, X-by-Wire Protocols, Mobile Multimedia Protocols, and Wireless Protocols -- Data Link Usage -- Manufacturing Automation -- Industry Activities -- Future Trends.       |
| Sommario/riassunto      | Multiplexing can be best discussed at three levels - vehicle, ECU or component, and IC. Within each level are partitions for software and hardware, and within each partition are divisions of functionality such as buffer size. The content in this book will help the reader to acquire a basic understanding of vehicle multiplexing systems, primarily from the passenger car and light truck viewpoint. Some discussion of heavy-duty and off-road vehicle multiplexing is presented, along with a look at industrial automation - a fast-growing multiplex field already eclipsing |

automotive usage.

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