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| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
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| Sommario/riassunto      | This IEEE 1014 standard specifies a high-performance backplane bus<br>for use in microcomputer systems that employ single or multiple<br>microprocessors is specified. It is based on the VMEbus specification,<br>released by the VME Manufacturers' Group in August of 1982. The bus<br>includes four subbuses: data transfer bus, priority interrupt bus,<br>arbitration bus, and utility bus. The data transfer bus supports 8-, 16-,<br>and 32-bit transfers over a non-multiplexed 32-bit data and address<br>highway. The transfer protocols are asynchronous and fully<br>handshaken. The priority interrupt bus provides real-time interrupt<br>services to the system. The allocation of bus mastership is performed<br>by the arbitration bus, which allows to implement round robin and<br>prioritized arbitration algorithms. The utility bus provides the system<br>with power-up and power-down synchronization. The mechanical<br>specifications of boards, backplanes, subracks, and enclosures are<br>based on IEC 297 specification, also know as the Euroboard form<br>factor. |

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