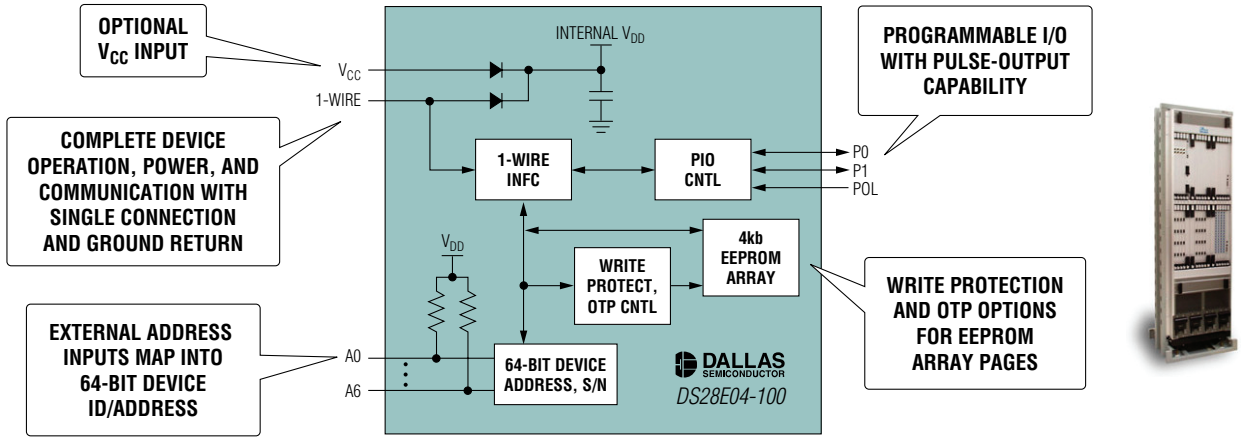
1-WIRE, 4kb EEPROM HAS DEVICE-ADDRESS INPUTS AND SYSTEM MONITORING FUNCTIONS

Identifies, Locates, Monitors, and Controls Cards and Modules with Efficient 1-Wire® Interface

The controller of multicard systems must identify what cards are installed, monitor hot-swapped units, and detect/correct system fault conditions. The DS28E04-100 integrates EEPROM and an externally configurable 1-Wire address to store card information and identify card location. Programmable I/O functions enable a system host controller to monitor card conditions or output a 250ms reset pulse, if necessary. The DS28E04-100 is completely powered and operated through the two-contact, 1-Wire interface, which enables system diagnostics and monitoring under fault conditions or in the absence of card power. 1-Wire line lengths easily extend to tens of meters with hundreds of 1-Wire devices attached, making this device ideal for rack-type environments.



- ♦ 4096 Bits of General-Purpose EEPROM
- ♦ Seven Address Inputs for Physical Location Configuration
- ♦ Two General-Purpose I/O Pins with Pulse Capability (250ms, min)
- ♦ Enhanced 1-Wire Front-End for Noise Immunity
- ♦ Complete Operation over the Two-Contact, 1-Wire Bus
- ♦ Designed for Hot/Live System Insertion
- ♦ Each Part Uniquely Identified with 64-Bit Device Address
- ♦ Wide Operating Ranges: 2.8V to 5.25V, -40°C to +85°C
- ♦ 16-Pin SO Package

See www.maxim-ic.com/DS28E04AD for additional information and free samples!

1-Wire is a registered trademark of Dallas Semiconductor Corp.

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