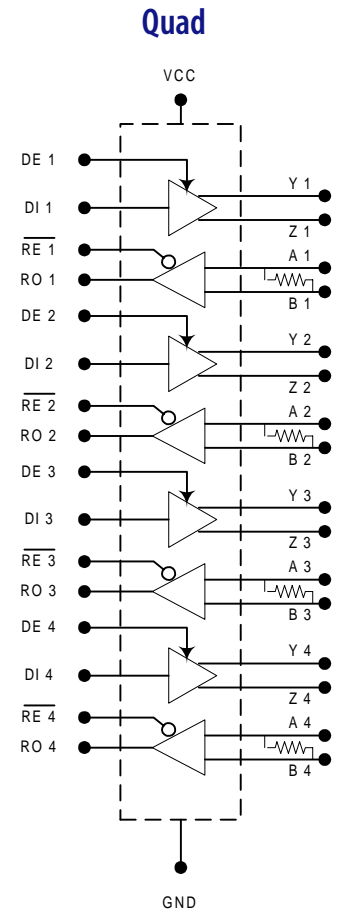
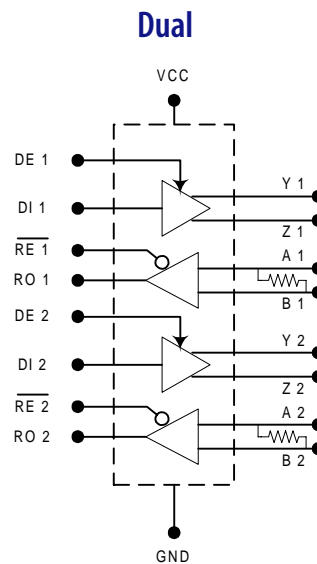




New Product Release

RS-422 Dual and Quad Transceivers



Features

- Single 3.3V operation
- One, two or four transceivers per device
- Independent driver/receiver enables
- 10 Mbps data rate
- Full duplex operation
- Low quiescent current (1.1 mA transceiver)
- Current limiting and thermal shut-down for driver overload protection
- No Single Event Latchup (SEL) < 150 MeV/mg/cm²
- Total dose hardened to 100 Krads (Si) depending on orbit and duration of mission

Description

The SEi422DRH and SEi422QRH are dual and quad, low power, full duplex transceivers for RS-422 space communications. Each device contains multiple drivers and receivers. The SEi422D/QRH are not slew rate limited, allowing for data rates up to 2.5 Mbps.

The drivers are short-circuit current limited and are protected against excessive power dissipation by thermal shut-down circuitry that places the driver outputs into a high impedance state. The receiver inputs have a fail-safe feature that guarantees a logic-high output if the input is open circuited.

The SEi422D/QRH transceivers feature a typical 100 Krads (Si) total dose tolerance depending upon orbit and duration of mission. The SEi422D/QRH are intended for use in the environments encountered by high reliability spacecraft applications. The patented radiation-hardened RAD-PAK® technology incorporates radiation shielding in the microcircuit package. Capable of surviving in-space environments, the SEi422DRH is ideal for satellite, spacecraft, and space probe missions.

Space Electronics Inc. A subsidiary of Maxwell Technologies

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