

Fault Protected Rs 485 Transceivers With Extended Common

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Fault Protected Rs 485 Transceivers

Maxim offers fault-protected RS-485/RS-422 transceivers that can survive DC voltages up to ±80V on the data pins. This makes them the most robust transceivers in the industry and, therefore, ideal for automotive, truck, HVAC, and industrial applications.

Fault-Protected RS-485 and RS-422 Transce - Maxim Integrated

Renesas' fault protected RS-485/RS-422 transceivers, also known as overvoltage protected transceivers (OVP), offer robust fault tolerance and high performance. Product List.

RS-485/RS-422 Fault Protected | Renesas Electronics

70-V Fault-Protected RS-485 Transceivers Same as: SN65HVD1781DRG4 This part number is identical to the part number listed above. You can only order quantities of the part number listed above.

SN65HVD1781DR | 70-V Fault-Protected RS-485 Transceivers ...

Key Features ±80V Fault Protection on the RS-485 I/O Ports True Fail-Safe Receiver Hot-Swap Input Structure on DE ESD Protection on the RS-485 I/O Ports ±8kV Human Body Model Slew-Rate Limiting Facilitates Error-Free Data Transmission 1/8-Unit Load Allows Up to 256 Transceivers on the Bus -7V to ...

±80V Fault-Protected, Full-Duplex RS-485 Transceiver

SN65HVD1782D ACTIVE 30-V Fault-Protected RS-485 Transceiver. Same as: SN65HVD1782DG4 This part number is identical to the part number listed above. You can only order quantities of the part number listed above.

SN65HVD1782D | 30-V Fault-Protected RS-485 Transceiver ...

The MAX14891E quad fault-protected RS-485/RS-422 receiver is ideal for applications requiring high data rates and reduced noise in rugged environments. Each receiver features a wide common-mode input range of -20V to +20V and is guaranteed to receive data at speeds up to 35Mbps. All receiver inputs are fault-protected against voltage shorts in the ±40V range.

MAX14891E Quad Fault-Protected RS-485/RS-422 Receiver with ...

The ISL3247xE are fault-protected, extended common-mode range differential transceivers that exceed the RS-485 and RS-422 standards for balanced communication. The RS-485 bus pins (driver outputs and receiver inputs) are fault protected against overvoltages up to ±60V and are protected against ±16.5kV ESD strikes without latch-up.

ISL32475E | RS-485/RS-422 Fault Protected

70-V Fault-Protected RS-485 with -20 to +25 common mode. SN65HVD17xx Fault-Protected RS-485 Transceivers With Extended Common-Mode Range datasheet (Rev.

SN65HVD1785 data sheet, product information and ... - TI.com

The ISL3245xE are 3.3V to 5V powered, fault protected, extended Common-Mode Range (CMR) differential transceivers for balanced communication. The RS-485 bus pins (driver outputs and receiver inputs) are protected against overvoltages up to ±60V, and against ±15kV ESD strikes. These transceivers operate in environments with common-mode voltages up to ±20V (exceeds the RS-485 requirement), making this RS-485 family one of the most robust on the market.

ISL32452E | RS-485/RS-422 Fault Protected

Our full featured transceivers include improved ESD protection, and our over-voltage/fault protected transceivers can handle voltages much higher than those required by the RS-485 standard. Our portfolio also includes high speed transceivers for applications like robotics, motor control and data acquisition, and multi-protocol transceivers for ...

Interface ICs | RS-485 | RS-232 | Renesas Electronics

The MAX3440E-MAX3444E fault-protected RS-485 and J1708 transceivers feature ±60V protection from signal faults on communication bus lines. Each device contains one differential line driver with three-state output and one differential line receiver with three-state input.

±15kV ESD-Protected, ±60V Fault-Protected, 10Mbps, Fail ...

The ISL3333xE and ISL3335xE 3V/5V, two-port, dual protocol transceivers allow designers to replace two chips (one RS-485 and one RS-232) with a single device. RS-485 Transceivers Offer Overvoltage Protection for Harsh Environments.

RS-485, RS-422 & RS-232 | Renesas Electronics

THVD24x0 ±70-V Fault-Protected 3.3-V to 5-V RS-485 Transceivers With IEC ESD datasheet (Rev.

THVD2410 data sheet, product information and support | TI.com

The MAX3440E-MAX3444E fault-protected RS-485 and J1708 transceivers feature ±60V protection from signal faults on communication bus lines. Each device contains one differential line driver with three-state output and one differential line receiver with three-state input. The 1/4-unit-load receiver input impedance allows up to 128 transceivers on a single bus.

MAX3442E ±15kV ESD-Protected, ±60V Fault-Protected, 10Mbps ...

The RS485 and RS422 transceivers commonly available from several vendors are all vulnerable to damage from fault voltages only slightly outside the –7V to 12V operating envelope. One vendor’s RS485 transceivers have absolute maximum voltage ratings of –8V to 12.5V on the data I/O pins.

LT1785 and LT1791: 60V, Fault-Tolerant RS485/RS422 ...

SN65HVD178x Fault-Protected RS-485 Transceivers With 3.3-V to 5-V Operation datasheet (Rev. H)

SN65HVD1780 data sheet, product information and ... - TI.com

The MAX13448E full-duplex RS-485 transceiver features inputs and outputs fault protected up to ±80V (with respect to ground). The device operates from a +3.0V to +5.5V supply and features true fail-safe circuitry, guaranteeing a logic-high receiver output when the receiver inputs are open or shorted.

±80V Fault-Protected Full-Duplex RS-485 Transceiver

The MAX33072E/MAX33073E are a family of fault-protected RS-485/RS-422 transceivers with high ±65V protection for overvoltage conditions on the communication bus lines, ensuring robust protection in harsh industrial environments.

MAX33072E +3V to +5.5V, Polarity Invert RS-485 Half-Duplex ...

Fault-protected transceivers with common-mode ranges wider than specified in the RS-485 standard require double fold-back current limiting within the driver stage. Figure 4 shows the current limiting function of the ISL3245x family of fault-protected transceivers that operate over the wide common-mode range of ±20V.