

RS-485 Interface Circuit

PRODUCT DESCRIPTION

The MS1285/MS1285M/MS1285D/MS1285DN is a RS-485 transceiver, which is suitable for half-duplex communication. The data rate can transmit up to 10Mbps. The integrated transient protection function protects the device from electrostatic discharge (ESD) and transient discharge (EFT).

FEATURES

- Bus-Pin Protection:
 - ±20kV HBM Protection
 - ±12kV IEC61000-4-2 Contact Discharge
 - +4kV IEC61000-4-4 Fast Transient Burst
- Bus Maximum Connection: 256 Nodes
- Data Rate: 300 bps to 10Mbps
- Operating Power Supply Range: 4.5V to 6.0V
- Three-state Output
- Compatible with other 485 chips

APPLICATIONS

- E-Metering Networks
- Industrial Automation
- HVAC Systems
- Process Control
- Motion Control
- RS-485 interface

PRODUCT SPECIFICATION

Part Number	Package	Marking
MS1285	SOP8	MS1285
MS1285M	MSOP8	MS1285M
MS1285D	DIP8	MS1285D
MS1285DN	DFN8	MS1285DN



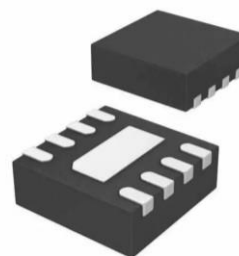
SOP8



MSOP8



DIP8



DFN8