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9/21/2010
Exar Showcases New Power Management and Interface Solutions at Embedded Systems Conference (ESC) Boston

Fremont, California, September 21, 2010 Exar Corporation (Nasdaq EXAR), will showcase new power mana

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SP3490
3.3V Low Power Full Duplex RS-485 Transceivers with 10Mbps Data Rate

Features

- Full Duplex RS-485 and RS-422 Transceivers
- Operates from a single +3.3V supply
- Interoperable with +5.0V logic
- -7V to +12V Common-Mode Input Voltage Range
- +200mV Receiver Input Sensitivity
- Allows up to 32 transceivers on the serial bus
- Compatibility with LTC490 and SN75179

show obsolete parts

Part Number	Pkg Code	RoHS	Min Temp. (℃)	Max Temp. (℃)	Status	Buy Now	Order Samples
SP3490CN-L	NSOIC14	📕	0	70	Active	🛒	🔍
SP3490CN-L/TR	NSOIC14	📕	0	70	Active	🛒	🔍
SP3490EN-L	NSOIC14	📕	-40	85	Active	🛒	🔍
SP3490EN-L/TR	NSOIC14	📕	-40	85	Active	🛒	🔍

Part Status Legend

Active - the part is released for sale, standard product.

EOL (End of Life) - the part is no longer being manufactured, there may or may not be inventory still in stock.

CF (Contact Factory) - the part is still active but customers should check with the factory for availability. Longer lead-times may apply.

PRE (Pre-introduction) - the part has not been introduced or the part number is an early version available for sample only.

OBS (Obsolete) - the part is no longer being manufactured and may not be ordered.

NRND (Not Recommended for New Designs) - the part is not recommended for new designs.

Specifications

Vcc (V)	3.3
No. of Tx	1
No. of Rx	1
Duplex	Full
Data Rate (kbps)	10000
ESD (KV)	2
Rx Fail-Safe Open	Yes
Rx Fail-Safe Short	No
Shutdown	No
Multi-Drop Nodes	32

Documents

Block Diagram

◉ **Datasheets**

Datasheet
Version 1.0.1
September 2010
747.74 KB

◉ **Application Notes**

ANI-13, RS-485 and RS-422 Physical Topologies
Version D
December 2006
183.19 KB

AN-207, Advantages of Enhanced Receiver Failsafe Features
Version 1.0.0
June 2010
171.62 KB

◉ **Process Qualification Report**

EPISIL 5um CMOS Process Qualification Report
Version 1.0.0
July 2006
1.45 MB

◉ **Transfer Characterization Report**

SP3485 Family Episil Characterization Report
Version 1.0.0
August 2006
2.40 MB

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