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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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