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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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SP3508

Rugged 3.3V, 20Mbps, 8 Channel Multiprotocol Transceiver with Programmable DCE/DTE and Termination Resistors

Features

- Fast 20Mbps Differential Transmission Rates
- Internal Transceiver Termination Resistors for V.11 & V.35
- Interface Modes:
 - RS-232 (V.28)
 - EIA-530 (V.10 & V.11)
 - EIA-530A (V.10 & V.11)
 - X.21 (V.11)
 - RS-449/V.36
 - V.35 (V.35 & V.28)
- Protocols are Software Selectable with 3-Bit Word
- Eight (8) Drivers and Eight (8) Receivers
- Termination Network Disable Option
- Internal Line or Digital Loopback for Diagnostic Testing
- Certified conformance to NET1/NET2 and TBR-1
- TBR-2 by TUV Rheinland (TBR2/30451940.001/04)
- Easy Flow-Through Pinout
- +3.3V Only Operation
- Individual Driver and Receiver Enable/Disable Controls
- Operates in either DTE or DCE Mode

[show obsolete parts](#)

Part Number	Pkg Code	RoHS	Min Temp. (°C)	Max Temp. (°C)	Status	Buy Now	Order Samples
SP3508CF-L	LQFP100		0	70	Active		
SP3508EF-L	LQFP100		-40	85	Active		
SP3508EB	Board		-40	85	CF		

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

No. of Tx	8
No. of Rx	8
Data Rate (kbps)	20000
Vcc (V)	3.3
ESD (KV)	4
Term	Complete
Supported Protocols	RS232, RS449, EIA530, EIA530A, V.10, V.11, V.28, V.35, V.36, X.21
Comments	3V Single supply, Single Chip

Documents



[Block Diagram](#)

Datasheets

[Datasheet](#)

[Version 1.0.0](#)

[July 2008](#)

[894.18 KB](#)

Application Notes

[ANI-03, Using Sipex SP3508 Multi-](#)

[Protocol with QUICC™ or](#)

[PowerQUICC™ Communications](#)

[Processors](#)

[Version C](#)

[November 2006](#)

[80.03 KB](#)

[ANI-14, DTE and DCE Terminology](#)

[Explained](#)

[Version B](#)

[December 2006](#)

[25.39 KB](#)

[ANI-16, Design Guide for Multi-](#)

[Protocol Serial Ports](#)

[Version A](#)

[November 2005](#)

[462.94 KB](#)

[ANI-17, Multiprotocol DTE and DCE](#)

[Options](#)

[Version B](#)

[December 2006](#)

[34.59 KB](#)

Manuals

[Evaluation Board Manual](#)

[Version 1.0.0](#)

[August 2004](#)

[607.67 KB](#)

Product FAQs