



PRODUCT CHANGE NOTICE (PCN)

PART NUMBER(S): Refer to Attachment A (SP331)	PCN No.: 10-0201-03 DATE: February 22, 2010								
PART DESCRIPTION: See www.exar.com									
LEVEL OF CHANGE: <input checked="" type="checkbox"/> Level I, Customer Approval. <input type="checkbox"/> Level II, Customer Information.									
PRODUCT ATTRIBUTE AFFECTED: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Material Change</td> <td><input checked="" type="checkbox"/> Data Sheet Change</td> </tr> <tr> <td><input type="checkbox"/> Design Change</td> <td><input type="checkbox"/> Package Change</td> </tr> <tr> <td><input checked="" type="checkbox"/> Process Change</td> <td><input type="checkbox"/> Packing / Shipping</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other, Explain:</td> </tr> </table>		<input type="checkbox"/> Material Change	<input checked="" type="checkbox"/> Data Sheet Change	<input type="checkbox"/> Design Change	<input type="checkbox"/> Package Change	<input checked="" type="checkbox"/> Process Change	<input type="checkbox"/> Packing / Shipping	<input type="checkbox"/> Other, Explain:	
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DESCRIPTION OF THE PROPOSED CHANGE: P-well implant dose for Silan 5u CMOS process is changed from 8.5E12 to 10.5E12 ION/cm ² . The SP331 meets all original datasheet specification. Information was added to the original datasheet to clarify the maximum data rate limit of 8Mbps at Ta=85°C. In addition, a note was added to indicate that exceeding the maximum data rate of 8 Mbps at Ta= 85°C may permanently damage the device due to the risk of overheating.									
REASON FOR CHANGE: Process optimization and clarify conditions for the datasheets parameters.									
DATE OF SAMPLES AVAILABLE: February 2010	DATE OF QUALIFICATION COMPLETED: December 2009								

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PRODUCT CHANGE NOTICE

ESTIMATED CHANGE DATE OR DATE CODE: Minor process change - May 2010 Datasheet - Immediate	SUPPORTING DATA: Qualification and characterization reports
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STANDARD DISTRIBUTION
 CUSTOM DISTRIBUTION

PERSON TO CONTACT WITH QUESTIONS:

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Please acknowledge receipt of this PCN.

Acknowledged:

Signature

Printed Name

Company

Title

Date

Approved Not Approved (Approved/Not Approved section not applicable and should be removed for all Level II PCNs)

Comments: _____

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PRODUCT CHANGE NOTICE

ATTACHMENT A

EXAR PART NUMBERS

PCN# 10-0201-03

DEVICE	PACKAGE
SP331CT-L	28pin SOIC
SP331CT-L/TR	28pin SOIC
SP331ET-L	28pin SOIC
SP331ET-L/TR	28pin SOIC

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