



## PRODUCT CHANGE NOTICE (PCN)

<b>PART NUMBER(S):</b> REFER TO ATTACHMENT A	<b>PCN No.:</b> 10-0415-01
<b>DATE:</b> April 30, 2010	

**PART DESCRIPTION:**  
Please refer to [www.exar.com](http://www.exar.com)

**LEVEL OF CHANGE:**

Level I, Customer Approval.
  Level II, Customer Information.

**PRODUCT ATTRIBUTE AFFECTED:**

<input type="checkbox"/> Material Change	<input checked="" type="checkbox"/> Data Sheet Change
<input checked="" type="checkbox"/> Design Change	<input type="checkbox"/> Package Change
<input type="checkbox"/> Process Change	<input type="checkbox"/> Packing / Shipping
<input type="checkbox"/> Other, Explain:	

**DESCRIPTION OF THE PROPOSED CHANGE:**

1. Product family mask layer set is changed in Silan, China wafer fabrication.
2. The applicable datasheets are revised as follows:
  - a. ESD-Human Body Model data was added.
  - b. "Ground Current vs Load Current", "Enable Threshold vs Temperature" and "Power Supply Rejection Ratio curves" were removed.
  - c. "Dropout Voltage vs Load Current", "Line Regulation" and "Load Regulation" curves were updated.
  - d. "start Up" curve was added.
  - e. Dropout Voltage and Ground Current values in electrical characteristics table is revised as follows:

PARAMETER	MIN	TYPICAL		MAX		UNITS		CONDITIONS
		FROM	TO	FROM	TO			
		50	120	175	300		•	I <sub>out</sub> =100mA
Dropout Voltage		150	380			mV		I <sub>out</sub> =1.5a
Except 1.8V Version (note 3)		450	600	700	800		•	I <sub>out</sub> =3A
		10	30	35	60	mA	•	I <sub>out</sub> =1.5A
Ground Current (note 5)		37	40					I <sub>out</sub> =3A

**REASON FOR CHANGE:** To improve product performance.

<b>DATE OF SAMPLES AVAILABLE:</b> Immediate	<b>DATE OF QUALIFICATION COMPLETED:</b> March 2010
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## PRODUCT CHANGE NOTICE

<b>ESTIMATED CHANGE DATE OR DATE CODE:</b> Data sheet is changed immediately. Production of the revised die – July 2010.	<b>SUPPORTING DATA:</b> Qualification and characterization data
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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

### PCN#10-0415-01

SPX29300T-L-1-8
SPX29300T-L-1-8/TR
SPX29300T-L-2-5
SPX29300T-L-2-5/TR
SPX29300T-L-3-3
SPX29300T-L-3-3/TR
SPX29300T-L-5-0
SPX29300T-L-5-0/TR
SPX29301T5-L-3-3
SPX29301T5-L-3-3/TR
SPX29301T5-L-5-0
SPX29301T5-L-5-0/TR
SPX29302T5-L
SPX29302T5-L/TR
SPX29302U5-L

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