

**Quality Assurance**  
 160 Rio Robles  
 San Jose, CA 95134

 **PROCESS CHANGE NOTICE**
 **PRODUCT CHANGE NOTICE**

**MAXIM HEREBY ISSUES NOTIFICATION OF CHANGE  
 THAT MAY AFFECT THE FOLLOWING CATEGORIES:**

<input checked="" type="checkbox"/> DESIGN	<input checked="" type="checkbox"/> WAFER FAB	<input type="checkbox"/> ASSEMBLY	<input type="checkbox"/> TEST	<input checked="" type="checkbox"/> ELEC/MECH SPECS
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**AFFECTED PRODUCT:**

Ordering P/N: (See PN listing XLS in PCN ZIP file)

CHANGE FROM: DS1629 current die revision A5.  Fabricated at Maxim's Dallas facility; closed in 2010.	CHANGE TO: DS1629 die revision B3  Fabricated at Maxim's San Antonio (SA) using the E35 process.  A design architecture change was implemented resulting in changes to the datasheet. See attached table.
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**JUSTIFICATION:** The fab process used to build the DS1629 A5 revision was discontinued with the closing of the Dallas fab. The transfer to Maxim's San Antonio fab process required a redesign, DS1629 B3, resulting in the following datasheet changes.

**TRACEABILITY:** MAXIM maintains traceable by markings as branded on packaged units.

Maxim's Change Notification System is designed to keep our customer base apprised of major product, manufacturing, or facility improvements.



Deborah Meeker / PCN Coordinator

For further information, please contact either of the people listed below.

**Contact your local Maxim Company Representative** or Deborah Meeker, PCN Coordinator  
 408-601-5618 / pcn.coordinator@maxim-ic.com

Document Title: Product Change Notice - Notification Only

Document ID: 18-0582/J

### Electrical Specification Changes

Parameter	Conditions	DS1629 A5	DS1629 B3
<b>Voltage on VDD, relative to ground, Absolute Maximum Rating</b>		7.0V	6.0V
<b>Timekeeping Current, I<sub>DDC</sub></b>	V <sub>DD</sub> =2.2V	0.3μA	0.8μA
<b>2-Wire Communication Current, I<sub>DD2</sub></b>	V <sub>DD</sub> =5.0V	100μA	150μA
<b>Thermometer Current, I<sub>DDT</sub></b>	V <sub>DD</sub> =2.7V	700μA	1100μA
<b>Thermometer Current, I<sub>DDT</sub></b>	V <sub>DD</sub> =5.0V	1000μA	1100μA
<b>Active Current, I<sub>DD</sub></b>	V <sub>DD</sub> =2.7V	700μA	1100μA
<b>Active Current, I<sub>DD</sub></b>	V <sub>DD</sub> =5.0V	1000μA	1200μA
<b>Resolution</b>		0.03°C min	0.062°C min