

PCN Number:	20170615005	PCN Date:	06/20/2017
Title:	Datasheet for ADS8588S		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



ADS8588S

SBAS642A –DECEMBER 2016–REVISED APRIL 2017

Changes from Original (December 2016) to Revision A	Page
• Deleted ADS8586S and ADS8584S from document	1
• Changed document title.....	1
• Changed first two sentences of <i>Description</i> section	1
• Changed <i>Simplified Block Diagram</i> figure: changed 2nd-order to 3rd-order and RANGE/SDI to RANGE in figure, added title	1
• Changed <i>Device Family Comparison Table</i> to compare device family members.....	4
• Changed AGND to DGND in <i>DVDD to DGND</i> row of <i>Absolute Maximum Ratings</i> table	6
• Changed minimum specification from –96 to –64 in last row of external reference for E_G parameter	8
• Changed x-axis of <i>DC Histogram of Codes (± 10 V)</i> , <i>DC Histogram of Codes (± 5 V)</i> , and <i>DNL for All Codes</i> curves	18
• Changed x-axis of <i>INL vs All Codes (± 10 V)</i> and <i>INL vs All Codes (± 5 V)</i> curves	19
• Changed <i>second-order</i> to <i>third-order</i> in first paragraph of <i>Overview</i> section	25
• Changed 2nd-order to 3rd-order and RANGE/SDI to RANGE in functional block diagram.....	25
• Changed 2nd-order to 3rd-order in <i>Front-End Circuit Schematic for Each Analog Input Channel</i> figure.....	26
• Changed <i>multiple</i> to <i>two</i> in first sentence of second paragraph of <i>Analog Inputs</i> section	26
• Changed <i>second</i> to <i>third</i> in title and description of <i>Third-Order, Low-Pass Filter (LPF)</i> section.....	28
• Added Butterworth to LPF description in <i>Third-Order, Low-Pass Filter (LPF)</i> section.....	28
• Changed second to third in titles of <i>Third-Order LPF Magnitude Response</i> and <i>Third-Order LPF Phase Response</i> figures.....	28

The datasheet number will be changing.

Device Family	Change From:	Change To:
ADS8588S	SBAS642	SBAS642A

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ADS8588S>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this PCN:			
None.			
Product Affected:			
ADS8588SIPM	ADS8588SIPMR		

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com