Notification Number:	20230105004.0	Notification Date:	January 06, 2023
Title:	Datasheet for ADS54J66		
Customer Contact:	Notification Manager	**Dept:**	Quality Services

Change Type: Electrical Specification

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.

TEXAS INSTRUMENTS

ADS54J66
SBAS745B – DECEMBER 2015 – REVISED JANUARY 2023

Changes from Revision A (December 2015) to Revision B (January 2023) — Page

- Changed *rising* to *falling* in the t_{SU_SYSREF} and t_{H_SYSREF} parameter descriptions...........................12
- Deleted the t_{SU_SYSREF} maximum value...12
- Added second table note to *Timing Characteristics* table...12
- Added *SYSREF Timing Diagram* figure...12
- Deleted *One threshold is set per channel pair A, B, and C, D.* from *Overrange Indication* section.................31
- Added note to *Overrange Indication* section..31
- Changed FFh to 0Fh in Table 7-8 31
- Deleted 5th row (LMFS = 2881) from Table 7-13 40
- Deleted LMFS = 2881 section from Table 7-14 40
- Changed bit 0, register 53, master page (80h) from *0* to *SET SYSREF* 44
- Added register 54 to master page registers...44
- Removed registers 19h to 20h from JESD Digital Page (6900h)...44
- Added register 17h to JESD Analog Page (6A00h)...44
- Changed 00h26 to 0026h in ADDRESS column and 80h to C0h in DATA column of *Example Register Writes* table...46
- Added Table 7-16, deleted legends from *Register Descriptions* section.....................................46
- Changed register description of Register 53h (address = 53h) [reset = 0h], Master Page (80h).....................51
- Added Register 54h (address = 54h) [reset = 0h], Master Page (80h)..52
- Deleted the tables and description for registers 0x19-0x20...63
- Changed *Register 16h Field Descriptions* table in Register 16h (address = 16h) [reset = 0h], JESD Analog Page (6A00h)...68
- Added Register 17h (address = 17h) [reset = 0h], JESD Analog Page (6A00h)............................68
- Changed *6Ah* to *6A00h* in register title and changed description of bits 7-5 in Register 1Bh (address = 1Bh) [reset = 0h], JESD Analog Page (6A00h)...68
- Changed description for Step 1 in *Start-Up Sequence* section 69
- Changed *Hardware Reset Timing Diagram* figure..70
- Added *SYSREF Signal* section...71
- Added *Idle Channel Histogram* section...72
- Changed *Power Supply Recommendations* section 77

The datasheet number will be changing.

Device Family	Change From:	Change To:
ADS54J66	SBAS745A	SBAS745B

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/ADS54J66
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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 notification:

None.

Product Affected:			
ADS54J66IRMP	ADS54J66IRMPT		

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

Location	E-Mail
WW Change Management Team	PCN_ww_admin_team@list.ti.com

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