

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.



ADS54J66

SBAS745B – DECEMBER 2015 – REVISED JANUARY 2023

Changes from Revision A (December 2015) to Revision B (January 2023)	Page
• Changed <i>rising</i> to <i>falling</i> 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 <i>Timing Characteristics</i> table.....	12
• Added <i>SYSREF Timing Diagram</i> figure.....	12
• Deleted <i>One threshold is set per channel pair A, B, and C, D.</i> from <i>Overrange Indication</i> section.....	31
• Added note to <i>Overrange Indication</i> 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 <i>SET SYSREF</i>	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 <i>Example Register Writes</i> table.....	46
• Added Table 7-16 , deleted legends from <i>Register Descriptions</i> 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 <i>Register 16h Field Descriptions</i> 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 <i>6Ah</i> to <i>6A00h</i> 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 <i>Start-Up Sequence</i> section	69
• Changed <i>Hardware Reset Timing Diagram</i> figure.....	70
• Added <i>SYSREF Signal</i> section.....	71
• Added <i>Idle Channel Histogram</i> section.....	72
• Changed <i>Power Supply Recommendations</i> 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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