

12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20200723004 Datasheet for ADS131A02, ADS131A04 Information Only

Date: July 24, 2020 **To:** Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team (PCN www admin team@list.ti.com).

Sincerely,

Change Management Team SC Business Services

Information Only Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICEADS131A02IPBSR
ADS131A04IPBSR

CUSTOMER PART NUMBER

null null

Technical details of this Product Change follow on the next page(s).

Notification Number: 20200723004 Notification Date: July 24, 2020

Title: Datasheet for ADS131A02, ADS131A04

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.



ADS131A02, ADS131A04

SBAS590E - MARCH 2016-REVISED JUNE 2020

		Page
•	Changed Applications section	
	Changed pin diagrams to orient pin names	
•		
•	Deleted common-mode input voltage from Recommended Operating Conditions table	
	Added reference to <i>Data Rate Settings</i> table in <i>Data Rate</i> section	
	Changed Watchdog Timer section for clarity	36
	Changed description of Low-Power and High-Resolution Mode and Power-Up sections for clarity	37
	Changed RESET section for clarity	37
	Changed Device Word Length and Fixed versus Dynamic-Frame Mode sections for clarity	
	Added description of 16- and 24-bit data word formats to Data Words section	40
Added Communication Methods for Data Integrity Using Delta-Sigma Data Converters application report link to Hamming Code section		
	Changed Cyclic Redundancy Check section	4
	Changed CRC with CRC_MODE = 1, CRC with CRC_MODE = 0, and CRC Using the WREGS Command figures to clarify CRC modes	4
	Changed Asynchronous Interrupt Mode section	4
	Changed Synchronous Master Mode section.	4
	Changed Synchronous Slave Mode section	5
	Added address location to description of RREG and 0000 0000 to device word in Command Definitions table	5
	Changed STANDBY: Enter Standby Mode section for clarity	5
	Changed ADCx registers to ADC_ENA register in WAKEUP: Exit STANDBY Mode section	5
	Changed RREGS to RREG in RREG Command Status Response (Single Register Read) figure caption	5
	Changed first command status response from 001a aaaa nnnn nnnn to 011a aaaa nnnn nnnn in RREGS: Read Multiple Registers section	5
	Changed F_DRDY description in STAT_1: Status 1 Register section	6
	Added All Devices Configured in Synchronous Slave Mode to include discussion of synchronization to a master clock.	7
	Changed Bipolar Analog Power Supply to Unipolar Analog Power Supply with Negative Charge Pump Enabled figures to correct power supply connections	8

The datasheet number will be changing.

Device Family	Change From:	Change To:
ADS131A02, ADS131A04	SBAS590D	SBAS590E

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/ADS131A02

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:

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	
WW Change Management Team	PCN_ww_admin_team@list.ti.com	

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