

<b>Notification Number:</b>	20200723004	<b>Notification Date:</b>	July 24, 2020
<b>Title:</b>	Datasheet for ADS131A02, ADS131A04		
<b>Customer Contact:</b>	<a href="#">Notification Manager</a>	<b>Dept:</b>	Quality Services

### 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

Changes from Revision D (January 2018) to Revision E	Page
• Changed <i>Applications</i> section .....	1
• Changed pin diagrams to orient pin names.....	6
• Changed NC and XTAL2 pin descriptions to match <i>Unused Connections</i> section .....	7
• Deleted common-mode input voltage from <i>Recommended Operating Conditions</i> table .....	9
• Added reference to <i>Data Rate Settings</i> table in <i>Data Rate</i> section .....	28
• Changed <i>Sinc<sup>3</sup> Filter Settling</i> figure and description in <i>Digital Decimation Filter</i> section to show ADC conversion start and data availability .....	35
• Changed <i>Watchdog Timer</i> section for clarity .....	36
• Changed description of <i>Low-Power and High-Resolution Mode</i> and <i>Power-Up</i> sections for clarity.....	37
• Changed <i>RESET</i> section for clarity.....	37
• Changed <i>Device Word Length</i> and <i>Fixed versus Dynamic-Frame Mode</i> sections for clarity .....	38
• Added description of 16- and 24-bit data word formats to <i>Data Words</i> section.....	40
• Added <i>Communication Methods for Data Integrity Using Delta-Sigma Data Converters</i> application report link to <i>Hamming Code</i> section .....	42
• Changed <i>Cyclic Redundancy Check</i> section.....	43
• Changed <i>CRC with CRC_MODE = 1</i> , <i>CRC with CRC_MODE = 0</i> , and <i>CRC Using the WREGS Command</i> figures to clarify CRC modes.....	44
• Changed <i>Asynchronous Interrupt Mode</i> section .....	46
• Changed <i>Synchronous Master Mode</i> section.....	48
• Changed <i>Synchronous Slave Mode</i> section.....	50
• Added address location to description of RREG and 0000 0000 to device word in <i>Command Definitions</i> table .....	52
• Changed <i>STANDBY: Enter Standby Mode</i> section for clarity.....	54
• Changed <i>ADCx registers</i> to <i>ADC_ENA register</i> in <i>WAKEUP: Exit STANDBY Mode</i> section .....	55
• Changed RREGS to RREG in <i>RREG Command Status Response (Single Register Read)</i> figure caption.....	56
• Changed first command status response from <i>001a aaaa nnnn nnnn</i> to <i>011a aaaa nnnn nnnn</i> in <i>RREGS: Read Multiple Registers</i> section.....	56
• Changed <i>F_DRDY</i> description in <i>STAT_1: Status 1 Register</i> section.....	61
• Added <i>All Devices Configured in Synchronous Slave Mode</i> to include discussion of synchronization to a master clock...	76
• Changed <i>Bipolar Analog Power Supply</i> to <i>Unipolar Analog Power Supply with Negative Charge Pump Enabled</i> figures to correct power supply connections .....	84

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.

<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>			
No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.			
<b>Changes to product identification resulting from this notification:</b>			
None.			
<b>Product Affected:</b>			
ADS131A02IPBS	ADS131A02IPBSR	ADS131A04IPBS	ADS131A04IPBSR

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