

Notification Number:	20221213003.0	Notification Date:	December 16, 2022
Title:	Datasheet for ADS111x-Q1		
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.



ADS1113-Q1, ADS1114-Q1, ADS1115-Q1
SBAS563E – DECEMBER 2011 – REVISED DECEMBER 2022

Changes from Revision D (January 2018) to Revision E (December 2022)	Page
• Changed all instances of legacy terminology to <i>controller</i> and <i>target</i> where I ² C is mentioned.....	1
• Added <i>Functional Safety-Capable</i> bullets and device family information to <i>Features</i> section, moved ESD classification information from <i>Features</i> section to <i>ESD Ratings</i> table.....	1
• Changed applications in <i>Application</i> section.....	1
• Added NKS (UQFN) package and <i>Device Information</i> table and deleted last paragraph from <i>Description</i> section.....	1
• Added NKS package to <i>Pin Configuration and Functions</i> section and changed <i>Pin Functions</i> table.....	4
• Changed <i>free-air</i> to <i>ambient</i> in condition statement of <i>Absolute Maximum Ratings</i> table.....	5
• Added ESD classification levels and NKS package to <i>ESD Ratings</i> table.....	5
• Added NKS package to <i>Thermal Information</i> table.....	6
• Changed unit of <i>common-mode input impedance (FSR = ±0.512 V, FSR = ±0.256 V)</i> parameter from MΩ to kΩ in <i>Electrical Characteristics</i> table.....	7
• Changed Y-axis unit of <i>Total Error vs Input Signal</i> figure from μV to mV in <i>Typical Characteristics</i> section.....	9
• Added additional information to last paragraph in <i>Multiplexer</i> section.....	15
• Added additional information to <i>Voltage Reference</i> section.....	17
• Moved Figure 8-7 from <i>Conversion Ready Pin</i> section to <i>Digital Comparator</i> section.....	18
• Changed bit setting notation from hexadecimal to binary where beneficial for clarity throughout <i>Register Map</i> section.....	26
• Added <i>Config Register - ADS1113-Q1</i> , <i>Config Register - ADS1114-Q1</i> , and <i>Config Register - ADS1115-Q1</i> and changed bit descriptions in <i>Config Register Field Descriptions</i> table in <i>Config Register</i> section.....	27
• Changed first paragraph in <i>Lo-thresh and Hi_thresh Registers</i> section.....	29
• Changed <i>Unused Inputs and Outputs</i> section.....	31
• Added layout example for NKS package in <i>Layout Example</i> section.....	41

The datasheet number will be changing.

Device Family	Change From:	Change To:
ADS111x-Q1	SBAS563D	SBAS563E

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ADS1113-Q1>

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:

ADS1113BQDGSRQ1	ADS1114BQDGSRQ1	ADS1115BQDGSRQ1	
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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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