Notification Number: 20200604002 Notification Date: June 11, 2020

Title: Datasheet for ADS1120-Q1

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.



ADS1120-Q1

SBAS683B - AUGUST 2014-REVISED MAY 2020

	Changed document title			1		
	Changed automotive-specific bullets in Features section					
	Deleted low current consumption bullet from Features		•			
	Added functional safety bullet to Features section					
	Changed last bullet in Applications section					
	Changed page 1 figure and added title					
•	Changed Pin Functions table: added footnote, deleted Leave unconnected or tie to AVDD if not used from descriptions of pins 6 to 11					
•	Changed Absolute Maximum Ratings table: added stor	•	•			
•	Changed ESD Ratings table: changed title and format,	added ESD classification le	vel	5		
	Changed V_{REF} maximum value from \textit{AVDD} to \textit{AVDD} –	AVSS in Recommended Op	perating Conditions table	6		
	Added additional analog supply current specifications to Electrical Characteristics table					
	Changed <i>SPI Timing Requirements</i> table: added footnote, changed existing footnote, moved <i>SPI timeout</i> specifications from footnote to table, changed timeout values from 13955 · t _(MOD) to 14000 · t _(MOD) for normal mode and duty-cylce mode, and from 27910 · t _(MOD) to 28000 · t _(MOD) for turbo mode					
	Changed Functional Block Diagram figure			18		
	Changed Bypassing the PGA section			23		
	Changed analog supply (AVDD) to analog supply (AVDD - AVSS) in Voltage Reference section					
	Added temperature reading discussion to Temperature Sensor section					
	Changed last row of 14-Bit Temperature Data Format table					
	Changed last two lines of Converting from Digital Codes to Temperature section					
•	Changed timout period from 13955 \cdot $t_{(MOD)}$ to 14000 \cdot $t_{(MOD)}$ for normal mode and duty-cycle mode, and from 27910 \cdot $t_{(MOD)}$ to 28000 \cdot $t_{(MOD)}$ for turbo mode in SPI Timeout section					
	Changed all reset values from hexadecimal to binary format in Register Map section					
•	Changed description of bits 50/60[1:0] in Configuration Register 2 section					
•	Added Unused Inputs and Outputs section					
•	Changed <i>Thermocouple Measurement</i> figure					
•						
•	Changed 2-Wire RTD Measurement figure					
•	Changed 4-Wire RTD Measurement figure					
•	Changed Bridge Measurement figure			5		
	Added Power-Supply Ramp Rate section			5		
e	datasheet number will be changing.					
)e	vice Family	Change From:	Change To:			
ADS1120-Q1		SBAS683A	SBAS683B			

To accurately reflect dev	ce 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:						
ADS11200PWP01						

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