Notification Number: 20		2016	20161215000 Notification Date:					December 19	, 2016		
Title: Datasheet for ADS1113-Q1/ADS				ADS1114-0	DS1114-Q1/ADS1115-Q1						
Customer Contact: PCN Manag							Quality Se				
Cha	nge Type:										
	Assembly Site				Design				W	/afer Bump Sit	e
	Assembly Process			X		et				Vafer Bump Ma	
	Assembly Materials			Part number change					Vafer Bump Pro		
	Mechanical Specification			Test Site						/afer Fab Site	
Packing/Shipping/Labeling			Test Process					V	/afer Fab Mate	rials	
							W	afer Fab Proce	ess		
Notification Details											
Des	cription of Chang	je:									
	as Instruments Inc		ted is a	ann	ouncing a	n info	ormation or	ıly n	otifi	ication.	
The	product datasheet	(s) is ı	update	d as	s seen in t	he ch	ange revisi	ion h	nisto	ory below:	
This	change only applie	es to A	DS111	15Q	DGSRQ1		-				
										TEXAS	
										TEXAS INSTRU	MENTS
	1113-Q1, ADS1114-Q1 63C-DECEMBER 2011-REVIS										au ti com
										wv	w.ti.com
Char	iges from Revision B (D	ecembe	r 2015) t	o Re	vision C						Page
• A	Added ADS1114-Q1 and ADS1113-Q1 to data sheet 1						1				
• 0	Changed Title, and Description, Features, and Applications sections for clarity						1				
• D	Deleted temperature range text from Description section and moved to Features section						1				
• A	Added Device Comparison Table						4				
	Changed Pin Functions table for clarity										
• 0	Changed Power-supply voltage max value from 5.5 V to 7 V in Absolute Maximum Ratings table						5				
• 0	Changed Analog input voltage min value from -0.3 V to GND - 0.3 V in Absolute Maximum Ratings table						5				
• 0	Changed Digital input voltage min value from -0.5 V to GND - 0.3 V in Absolute Maximum Ratings table						5				
• 0	Changed Digital input voltage max value from 5.5 V to VDD + 0.3 V in Absolute Maximum Ratings table						5				
• D	Deleted Analog input current rows in Absolute Maximum Ratings table						5				
• A	Added Input current row in Absolute Maximum Ratings table						5				
	Added Operating temperature range of -40°C to +125°C to Absolute Maximum Ratings table										
• A	dded minimum specificati	on of -4	0°C for T	j in A	Absolute Maxi	mum F	Ratings table				5
• D	Deleted Machine model row from ESD Ratings table					5					
• D	Deleted Supply current and Power dissipation rows and moved to Electrical Characteristics table						5				
	Changed Full-scale input voltage range (FSR) from typical value of ±4.096/PGA V to min value of ±0.256 V and max value of ±6.144 V for clarity in Recommended Operating Conditions table						5				
• A	Added Digital input voltage (V _{DIG}) to Recommended Operating Conditions table						5				
	dded new note 1 for Reco										
• C	hanged text in note 2 (pre this device" to "No more able 3 for more information	eviously than VE	note 1 in)D + 0.3 \	revis V or \$	ion B) from "I 5.5 V (whiche	n no e ver is s	vent should mo smaller) must be	re tha e appl	n VD ied to	D + 0.3 V be applie o this device. See	d
	dded values for ADS111x										
L											

	Changed existing thermal information values for ADS1115-Q1 (R _{θJA} from 187.44 to 182.7, R _{θJC(top)} from 51.25 to 67.2, R _{θJB} from 108.97 to 103.8, ψ _{JT} from 2.78 to 10.2, ψ _{JB} from 107.11 to 102.1)	
•	Changed Electrical Characteristics table conditions line for clarity	
•	Changed all instances of "FS" to "FSR"	
•	Deleted FSR from Electrical Characteristics and moved to Recommended Operating Conditions table	
•	Added values from Table 1 to Differential input impedance parameter in Electrical Characteristics table	
•	Changed Output noise parameter link from "see Typical Characteristics" to "see Noise Performance section" in Electrical Characteristics table	
•	Changed Offset error parameter min value from empty to –3, and max value from ±3 to 3 for clarity in Electrical Characteristics table	
	Changed V _{IH} parameter max value from 5.5 V to VDD in <i>Electrical Characteristics</i> table	
	Changed VIL parameter min value from GND – 0.5 V to GND in <i>Electrical Characteristics</i> table	
•	Changed Input leakage current parameters from two rows to one row, changed test conditions from $V_{IH} = 5.5V$ and $V_{IL} = GND$ to $GND < V_{DIG} < VDD$, and changed min value from 10 µA to -10 µA in <i>Electrical Characteristics</i> table	
•	Changed text in note 1 of <i>Electrical Characteristics</i> table from "In no event should more than VDD + 0.3 V be applied to this device" to "No more than VDD + 0.3 V or 5.5 V (whichever is smaller) must be applied to this device. See Table 3 for more information."	
	Added Supply current parameters to Electrical Characteristics table	
	Added Power dissipation parameters to Electrical Characteristics table	
	Added condition statement in Timing Requirements: I ² C	
	Added note 1 to Timing Requirements table	
	Added Parameter Measurement Information section	
	Changed functional block diagram; deleted "Gain = 2/3, 1, 2, 4, 8, or 16"	
	Added Functional Block Diagrams for ADS1114-Q1 and ADS1113-Q1	
	Changed Analog Inputs section to provide LSB size information instead of PGA setting	
	Changed Full-Scale Input section title to Full-Scale Range (FSR) and LSB Size, and updated section for clarity	
	Added Voltage Reference and Oscillator sections	
	Changed Comparator section title to Digital Comparator, and updated section for clarity.	
•	Changed Conversion Ready Pin section for clarity	
	Changed Register Map section for clarity	
	Changed Application Information section for clarity	
	Added Input Protection section	
	Added Unused Inputs and Outputs section	
	Changed Aliasing section title to Analog Input Filtering and updated section for clarity	
	Deleted previous Typical Application section and added new, more detailed Typical Application section	
	Changed Power Supply Recommendations section for clarity	
	Changed Layout section for clarity	

The datasheet number will be changing.

Device Family	Change From:	Change To:			
ADS1115-Q1	SBAS563B	SBAS563C			
These shares were be verified at the detachest links wereided					

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/lit/ds/symlink/ads1115-q1.pdf

Reason for Change:

To more 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:
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None.

Product Affected:

ADS1115QDGSRQ1

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
Japan	PCNJapanContact@list.ti.com