12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20160419000
Datasheet for ADS1246, ADS1247, ADS1248
Information Only

Date: 4/25/2016
To: TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is an information-only announcement of a change to 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 PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN 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.

DEVICE	CUSTOMER PART NUMBER
ADS1247IPW	null
ADS1248IPW	null
ADS1246IPWR	null
ADS1246IPW	null
ADS1247IPWR	null
ADS1248IPWR	null

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

PCN Number:	20160419000	PCN Date:	4/25/2016
Title:	Datasheet for ADS1246, ADS1247, ADS1248		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			

☐	Assembly Site	☐	Design	☐	Wafer Bump Site
☐	Assembly Process	☒	Data Sheet	☐	Wafer Bump Material
☐	Assembly Materials	☐	Part number change	☐	Wafer Bump Process
☐	Mechanical Specification	☐	Test Site	☐	Wafer Fab Site
☐	Packing/Shipping/Labeling	☐	Test Process	☐	Wafer Fab Materials
				☐	Wafer Fab Process

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification etc.

The product datasheet(s) is being updated as summarized below.

The following change history provides further details.

TEXAS INSTRUMENTS

ADS1246, ADS1247, ADS1248

SBAS426H – AUGUST 2008 – REVISED MARCH 2016

Changes from Revision G (October 2011) to Revision H **Page**

- Added *ESD Ratings* table, *Feature Description* section, *Device Functional Modes*, *Application and Implementation* section, *Power Supply Recommendations* section, *Layout* section, *Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Updated *Features* and *Description* sections to include use in applications other than temperature measurement 1
- Edited *Device Comparison Table* to include ADS1146, ADS1147, and ADS1148; changed title, deleted footnote 4
- Merged all *Pin Functions* into one table, changed IOUT1 and IOUT2 to IEXC1 and IEXC2 to match figures 6
- Changed compliance voltage for excitation current sources in *Electrical Characteristics*, now refers to Figure 41 and Figure 42; changed initial error and initial mismatch to absolute error and absolute mismatch 9
- Re-ordered elements in *Timing Requirements* tables, changed timing references to t_{CLK} 11
- Changed order of *Typical Characteristics* curves to match order in *Electrical Characteristics* table 13
- Added cross-reference for Equation 1 in *Noise Performance* section 21
- Corrected values in Table 2 22
- Modified *Low-Noise PGA* section to add more detail; added *Table 7*; added *PGA Common-Mode Voltage Requirements* and *PGA Common-Mode Voltage Calculation Example* sections 26
- Added f_{CLK}/f_{MOD} column to Table 9 30
- Added cross-reference for Equation 15 to *Power-Supply Monitor* section 35
- Added cross-reference for Equation 16 to *External Voltage Reference Monitor* section 35
- Added *Device Functional Modes* section 36
- Corrected values in Table 15 to remove extra 0 in 800000h 40
- Added text to *Chip Select* section to say that SCLK will force $\overline{DRDY}$ high, even with $\overline{CS}$ high 41
- Added text to *Data Output and Data Ready* section to say that stop read data continuous mode is not compatible with DRDY MODE set to 1 42
- Modified Figure 74 and Figure 75 to better show DIN transitions with respect to SCLK; replaced Figure 76 to better

The datasheet number will be changing.

Device Family	Change From:	Change To:
ADS1246, ADS1247, ADS1248	SBAS426G	**SBAS426H**

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/ADS1248

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 PCN:

None.

Product Affected:

ADS1246IPW	ADS1246IPWR	ADS1247IPW	ADS1247IPWR
ADS1248IPW	ADS1248IPWR		

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