

PCN Number:	20200211002	PCN Date:	Feb 17, 2020
Title:	Datasheet for ADS7947, ADS7948, ADS7949		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

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.



ADS7947, ADS7948, ADS7949

SLAS708A – SEPTEMBER 2010 – REVISED SEPTEMBER 2019

Changes from Original (September 2010) to Revision A	Page
• Added <i>Device Information</i> table, <i>ESD Ratings</i> table, <i>Recommended Operating Conditions</i> table, <i>Switching Characteristics</i> table, <i>Functional Block Diagram</i> section, <i>Feature Description</i> section, <i>Device Functional Modes</i> section, <i>Programming</i> section, <i>Application and Implementation</i> section, <i>Power Supply Recommendations</i> section, <i>Layout</i> section, <i>Device and Documentation Support</i> section, and <i>Mechanical, Packaging, and Orderable Information</i> section	1
• Changed document title.....	1
• Changed QFN to WQFN throughout document	1
• Added <i>High resolution, high throughput: Features</i> bullet	1
• Changed temperature range <i>Features</i> bullet from <i>Fully Specified</i> from to <i>Extended temperature range</i>	1
• Changed <i>Description</i> section for clarity and changed <i>ADC with an inherent sample-and-hold (S/H) input stage to ADC</i>	1
• Changed page 1 figure and added title	1
• Changed title of <i>Family and Ordering Information to Device Comparison Table</i>	4
• Changed thermal symbols for $R_{\theta JA}$, $R_{\theta JC(top)}$, $R_{\theta JB}$, and $R_{\theta JC(bot)}$	6
• Deleted <i>Full-scale input span, Absolute input range, External Reference, AVDD, and DVDD</i> parameters and <i>Temperature Range</i> section from <i>Electrical Characteristics: ADS7947 (12-Bit)</i> table	6
• Deleted <i>Full-scale input span, Absolute input range, External Reference, AVDD, and DVDD</i> parameters and <i>Temperature Range</i> section from <i>Electrical Characteristics: ADS7948 (10-Bit)</i> table	8
• Deleted <i>Full-scale input span, Absolute input range, External Reference, AVDD, and DVDD</i> parameters and <i>Temperature Range</i> section from <i>Electrical Characteristics: ADS7949 (8-Bit)</i> table	10
• Changed <i>Timing Requirements</i> table: added section titles, moved switching parameters into <i>Switching Characteristics</i> table	11
• Changed symbol for <i>Pulse duration, SCLK low</i> parameter from t_{W1} to t_{WL}	11
• Added symbol to <i>SCLK frequency</i> parameter	11
• Changed title of <i>PCB Layout/Schematic Guidelines</i> to <i>Layout</i> and changed format of section.....	31
• Changed <i>Recommended ADC Schematic</i> figure	31

The datasheet number will be changing.

Device Family	Change From:	Change To:
ADS7947, ADS7948, ADS7949	SLAS708	SLAS708A

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/produ/ADS7947>

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 PCN:

None.

Product Affected:

ADS7947SRTER	ADS7947SRTET	ADS7948SRTER	ADS7948SRTET
ADS7949SRTER	ADS7949SRTET		

For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

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