



## Product/Process Change Notice - PCN 09\_0061 Rev. -

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This notice is to inform you of a change that will be made to certain ADI products (see Material Report). Any issues with this PCN or requirements to qualify the change (additional data or samples) must be sent to ADI within 30 days of receiving this notification. The information contained within this PCN is considered proprietary and should not be shared outside of your company. ADI contact information is listed below.

**PCN Title:** AD7682/AD7689/AD7949 Startup Circuitry Design Improvement and Data Sheet Changes

**Publication Date:** 15-Apr-2009

**Samples Available Date:**

**Effectivity Date:** 15-Apr-2009 *(the earliest date that a customer could expect to receive changed material)*

### Description Of Change

An improvement is being made to the startup circuitry design. In addition, the AD7682/AD7689/AD7949 datasheets have been revised to reflect the improved performance as outlined in the attached.

### Reason For Change

To improve the power up sequencing (which now removes a stipulation the CNV pin must be held LOW at power up) along with improvements to the gain, offset and other specifications.

### Impact of the change (positive or negative) on fit, form, function & reliability

Aside from the increased offset match and gain error match (from 2LSBs to 4LSBs), the new material will meet or exceed the performance of the existing material. There will be no negative impact to form, fit, function and reliability.

### Product Identification *(this section will describe how to identify the changed material)*

Date codes following and including 0840

### Summary of Supporting Information

Qualification has been performed, see attached reliability report. For summary of datasheet changes, see datasheet change attachment.

### Supporting Documents

**Attachment 1:** ADI\_PCN\_09\_0061\_Rev\_-\_Datasheet Change Attachment.doc

**Attachment 2:** ADI\_PCN\_09\_0061\_Rev\_-\_Reliability Report.pdf

For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative

<b>Americas:</b>	PCN_Americas@analog.com	<b>Europe:</b>	PCN_Europe@analog.com	<b>Japan:</b>	PCN_Japan@analog.com
				<b>Rest of Asia:</b>	PCN_ROA@analog.com

**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (8)**

AD7682 / AD7682BCPZ	AD7682 / AD7682BCPZRL7	AD7689 / AD7689ACPZ	AD7689 / AD7689ACPZRL7	AD7689 / AD7689BCPZ	AD7689 / AD7689BCPZRL7
AD7949 / AD7949BCPZ	AD7949 / AD7949BCPZRL7				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Rev Description</b>
Rev. -	15-Apr-2009	Revision to datasheets to reflect current silicon performance: AD7682, AD7689 and AD7949

Analog Devices, Inc.

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