



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

Analog Devices, Inc. Three Technology Way Norwood, Massachusetts 02062-9106

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. ADI contact information is listed below.

Revision Description*:

Revision to datasheets to reflect current silicon performance: AD7682, AD7689 and AD7949

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

Publication Date: 14-Apr-2009

Samples Available Date:

Effectivity Date: 13-Jul-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.

Anticipated 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

Americas: PCN_Americas@analog.com

Europe: PCN_Europe@analog.com

Japan: PCN_Japan@analog.com

Rest of Asia: PCN_ROA@analog.com

Appendix A - Affected ADI Parts - Generic Number / Material Number (8)

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

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	14-Apr-2009	Revision to datasheets to reflect current silicon performance: AD7682, AD7689 and AD7949

Analog Devices, Inc. Proprietary Information

DocId:690 Parent DocId:None