



Product/Process Change Notice - PCN 10_0075 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 publication date. ADI contact information is listed below.

PCN Title: AD5551 & AD552 Datasheet specification changes.
Publication Date: 07-Apr-2010
Effectivity Date: 06-Jul-2010 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

As advised on PCN 09_0271 issued in December 2009, the AD5551 & AD5552 generics transferred from 6" Fab ADI Wilmington, to 8" Fab in Analog Devices Limerick. As a result of this transfer, it has been necessary to update the datasheet specifications to more accurately reflect the 8" Fab materials performance. The following datasheet parameters changed:

AD5551 & AD5552 - Specification Improvements
IDD from 1.1mA to 150uA
Digital to Analog Glitch Impulse from 10nV-sec to 1.1nV-sec
Slew Rate from 4.5V/us to 25V/us

AD5551
Gain Error from -1.75 to 0 LSB to -1.5 to 0.5LSB
Zero Code Error from 0 to 0.5 LSB to -0.5 to 1 LSB
Logic Inputs Hysteresis Voltage from 0.4V to 0.1V

AD5552
Bipolar Gain Error from -1.75 to 0 LSB to ± 1.2 LSB
Bipolar Zero Code Error from 0 to +0.5 LSB to ± 1 LSB
Logic Inputs Hysteresis Voltage from 0.4V to 0.1V

These changes will be reflected in Rev A of the Datasheet

Reason For Change

These changes were necessary to increase production capacity following the transfer to the 8" fabrication facility.

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

The specification changes described above will not have any impact on the quality or reliability of the devices.

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

The changed AD5551 material will be effective from date codes 1011 onwards and the changed AD5552 material will be effective from date codes 1012 onwards

Summary of Supporting Information

Qualification plan and Reliability Report attached.

Supporting Documents

Attachment 1: Type: Qualification Plan Summary

ADI_PCN_10_0075_Rev_-_ADI_PCN_09_0271_Rev_-_QUALIFICATION PLAN PCN AD5541.pdf

Attachment 2: Type: Reliability Report

ADI_PCN_10_0075_Rev_-_AD5541_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 Models

Added Parts On This Revision - Product Family / Model Number (7)

AD5551 / AD5551BR	AD5551 / AD5551BR-REEL7	AD5551 / AD5551BRZ	AD5551 / AD5551BRZ-REEL7	AD5552 / AD5552BR	AD5552 / AD5552BR-REEL7
AD5552 / AD5552BRZ					

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	07-Apr-2010	Initial Release

Analog Devices, Inc.

DocId:1062 Parent DocId:None Layout Rev:3