



Product/Process Change Notice - PCN 15_0055 Rev. -

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This notice is to inform you of a change that will be made to certain ADI products (see Appendix A) that you may have purchased in the last 2 years. **Any inquiries or requests with this PCN (additional data or samples) must be sent to ADI within 30 days of publication date.** ADI contact information is listed below.

PCN Title: AD9144 Die Revision and Data Sheet Update
Publication Date: 02-Apr-2015
Effectivity Date: 01-Jul-2015 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Die Revision Change: Re-wire current mirrors of some blocks (JESD PLL, DAC PLL, temperature sensor) to 1.2V supply.
Data Sheet Update (unrelated to die revision change): Minimum SERDES operating frequency values have increased. See supporting document for data sheet specification comparisons.

Reason For Change

Die Revision Change: Several current mirrors of some blocks (JESD PLL, DAC PLL, temperature sensor) have current sources that are connected to 3.3V supply rails. In some power-down conditions, this may allow some 1.2V drains to float to 3.3V.
Data Sheet Update: SERDES operating frequency ranges are being updated to reflect actual device performance.

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

Die Revision Change: The change prevents 1.2V drains to float to 3.3V.
Data Sheet Update: The new minimum SERDES operating frequency limits are slightly higher.

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

Die Revision Change: Revision ID register 0x006 = 0x06.

Summary of Supporting Information

Qualification will be performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Plan.
Data Sheet Update: Changes will be reflected in Rev A of the product data sheet.

Supporting Documents

Attachment 1: Type: Datasheet Specification Comparison
ADI_PCN_15_0055_Rev_-_AD9144_Specification_Comparison.pdf

Attachment 2: Type: Qualification Plan

For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.

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 (2)

AD9144 / AD9144BCPZ

AD9144 / AD9144BCPZRL

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	02-Apr-2015	01-Jul-2015	Initial Release

Analog Devices, Inc.

DocId:3229 Parent DocId:3141 Layout Rev:7