



## 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](mailto:PCN_Americas@analog.com)

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**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (2)**

AD9144 / AD9144BCPZ

AD9144 / AD9144BCPZRL

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	02-Apr-2015	01-Jul-2015	Initial Release

Analog Devices, Inc.

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