



Product/Process Change Notice - PCN 15_0057 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 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: AD9135/AD9136 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 = 0x46 for the AD9135, 0x66 for the AD9136.

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_0057_Rev_-_AD9135-AD9136_Specification_Comparison.pdf

Attachment 2: Type: Qualification Plan

ADI_PCN_15_0057_Rev_-_AD9135-AD9136_QualificationPlan.pdf

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 (4)

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|---------------------|-----------------------|---------------------|-----------------------|--|
| AD9135 / AD9135BCPZ | AD9135 / AD9135BCPZRL | AD9136 / AD9136BCPZ | AD9136 / AD9136BCPZRL | |
|---------------------|-----------------------|---------------------|-----------------------|--|

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|------------------------|
| Rev. - | 02-Apr-2015 | 01-Jul-2015 | Initial Release |
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Analog Devices, Inc.

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