



Product/Process Change Notice - PCN 16_0039 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: AD7091 and AD7091R Die Revision and AD7091R Specification Change

Publication Date: 31-May-2016

Effectivity Date: 29-Aug-2016 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Die Change:
Change to the Analog block to improve INL performance and ADC robustness.

Datasheet Change:
AD7091R only: SNR (VDD = 2.7 V) Min spec is changing from 67.5dB to 67dB.

Reason For Change

The change guarantees INL performance with internal reference over the entire Vdrive range.

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

There is no impact to form, fit, function or reliability.

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

The above change is effective for both AD7091 and AD7091R from date code 1606.
Exceptions are date code 1617 and 1620, both of which contain original die.

Summary of Supporting Information

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_16_0039_Rev_-_PCN_QUAL Result Summary of AD7091_7091R Die Revision.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 (6)

| | | | | |
|---------------------------|-------------------------|--------------------------|---------------------------|-----------------------|
| AD7091 / AD7091BCPZ-RL | AD7091 / AD7091BCPZ-RL7 | AD7091R / AD7091RBCPZ-RL | AD7091R / AD7091RBCPZ-RL7 | AD7091R / AD7091RBRMZ |
| AD7091R / AD7091RBRMZ-RL7 | | | | |

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|------------------------|
| Rev. - | 31-May-2016 | 29-Aug-2016 | Initial Release |
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Analog Devices, Inc.

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