



Product/Process Change Notice - PCN 11_0191 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: AD5781 / AD5791 Features Change

Publication Date: 29-Jul-2011

Effectivity Date: 05-Aug-2011 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

- 1) Glitch Fix For AD5791/81 - Resulting in Midscale Glitch Spec updates for 3 specified ranges.
- 2) Full Scale Error & Zero-Scale Error Min/Max spec changes

Reason For Change

- 1) Minor Code Changes were dominating the glitch performance of the AD5791/81. This issue was fixed on the new rev of silicon.
- 2) Full Scale Error & Zero Scale Error were incorrectly specified on original datasheet.

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

This fix has no change on form fit or device functionality (Other than spec changes detailed below).

Midscale Glitch Spec has degraded in specifications table.

- 1) Minor code changes which are not specified in datasheet are no longer the dominating glitch - as was the case on the previous silicon.
- 2) Min/Max ratings for Full Scale Error & Zero Scale Error have widened for full temperature range.

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

Date codes of these lots

The AD5791ARUC-AQZ = d/c 1120

The AD5791BRUC-AQZ = d/c 1119

The AD5781ARUC-AQZ = d/c 1120

The AD5781ARUC-AQZ = d/c 1119

Summary of Supporting Information

These changes are reflected in Rev. A of the data sheet.
Characterisation data is available upon request.

Comments

Update of AD5791 /AD5781 die to improve glitch performance

For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative

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|------------------|-------------------------|----------------|-----------------------|----------------------|----------------------|
| Americas: | PCN_Americas@analog.com | Europe: | PCN_Europe@analog.com | Japan: | PCN_Japan@analog.com |
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Appendix A - Affected ADI Models

Added Parts On This Revision - Product Family / Model Number (6)

| | | | | |
|---------------------|---------------------------|---------------------|---------------------------|---------------------|
| AD5781 / AD5781ARUZ | AD5781 / AD5781ARUZ-REEL7 | AD5781 / AD5781BRUZ | AD5781 / AD5781BRUZ-REEL7 | AD5791 / AD5791ARUZ |
| AD5791 / AD5791BRUZ | | | | |

Appendix B - Revision History

| Rev | Publish Date | Rev Description |
|--------|--------------|-----------------|
| Rev. - | 29-Jul-2011 | Initial Release |

Analog Devices, Inc.

DocId:1636 Parent DocId:None Layout Rev:5