



Product/Process Change Notice - PCN 17_0051 Rev. A

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.

Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

PCN Title: AD5755-1: Edits to Digital Block resulting in Changes to Timing Specifications

Publication Date: 02-Aug-2017

Effectivity Date: 31-Oct-2017 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Adding Date Code changeover

Description Of Change

The AD5755-1 digital block has been edited to address some digital anomalies.

Rev A: Adding Date Code to Product Identification Section.

Reason For Change

On older silicon, when issuing a CLEAR during a two-stage readback could result in a lockup requiring a hardware reset to restore SPI communications. This has now been resolved. Other minor anomalies have also been fixed.

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

The fixes have resulted in changes to the timing specifications to ensure the robustness of the digital interface. These are highlighted in bold in the attachment.

The DICC specification also changes as follows:

Maximum: From 11mA to 6mA

Typical: From 9.2mA to 4mA

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

The new products will be identified by date code 1727 onwards.

Summary of Supporting Information

The changes will be reflected in Rev G. of the AD5755-1 Datasheet.

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Results Summary.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_17_0051_Rev_A_PCN 17_0051 - Qualification Results Table.pdf

Attachment 2: Type: Revised Datasheet Specification

ADI_PCN_17_0051_Rev_A_Timing Characteristics AD5755-1.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

Existing Parts - Product Family / Model Number (2)

AD5755-1 / AD5755-1ACPZ

AD5755-1 / AD5755-1ACPZ-REEL7

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|-----------------------------|
| Rev. - | 03-Apr-2017 | 02-Jul-2017 | Initial Release |
| Rev. A | 02-Aug-2017 | 31-Oct-2017 | Adding Date Code changeover |

Analog Devices, Inc.

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