



Product/Process Change Notice - PCN 10_0343 Rev. A

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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.

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

PCN Title: AD8522 Specification Change

Publication Date: 13-Dec-2010

Effectivity Date: 13-Mar-2011 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Correct specification change error and date code effectivity change from 1109 to 1106.

Description Of Change

As a result of the redesign and wafer fab transfer of the AD8522 from the 6" CBCMOS2 process in Analog Devices, Wilmington, USA to the 8" H6 process in Analog Devices, Limerick, Ireland, AD8522 device specifications are changing as per details below.

Data Hold tDH

From: 20ns(Min) To: 7ns(Min)

Clock to SDO Propagation Delay tPD

From: 20ns(Min) 45ns(Typ) 80ns(Max) To: 7ns(Min) 11ns(Typ) 20ns(Max)

Crosstalk (CT)

From: 38dB(Typ) To: 100dB(Typ)

Voltage Output Settling Time

From: 16 μ s(Typ) To: 10 μ s(Typ)

Reason For Change

AD8522 redesign and wafer fab transfer.

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

AD8522 specifications have improved.

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

AD8522 product with date code of 1106 or greater will meet the new specifications.

Summary of Supporting Information

AD8522 process transfer report attached.

Comments

These changes will be documented in Rev. B of the AD8522 data sheet.

Supporting Documents

Attachment 1: Type: Reliability Report

ADI_PCN_10_0343_Rev_A_RQR05890.pdf

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

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 (6)

AD8522 / AD8522AN	AD8522 / AD8522ANZ	AD8522 / AD8522AR	AD8522 / AD8522AR-REEL	AD8522 / AD8522ARZ	AD8522 / AD8522ARZ-REEL
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Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	29-Nov-2010	Initial Release
Rev. A	13-Dec-2010	Correct specification change error and date code effectivity change from 1109 to 1106.

Analog Devices, Inc.

DocId:1395 Parent DocId:None Layout Rev.4