



Product/Process Change Notice - PCN 11_0303 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 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: AD623 Die Revision

Publication Date: 18-Jan-2012

Effectivity Date: 17-Apr-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Added current limiting resistors in series with intergrator capacitors on the RG pins.

Reason For Change

As part of ADI's continuous improvement efforts, we are adding current limiting resistors to the Rg pins to provide additional ESD protection.

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

This change will improve ESD performance of the part. This change has no impact on the electrical performance, form, fit, or function of the device.

Summary of Supporting Information

Qualification has been performed per AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Qualification Report Summary.

Comments

Final Test CPK analysis showed no significant difference on any tested parameters. Also Bench evaluation showed equivalent AC performance.

Supporting Documents

Attachment 1: Type: Qualification Report Summary
ADI_PCN_11_0303_Rev_-_Qual results for AD623.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

Added Parts On This Revision - Product Family / Model Number (21)

AD623 / AD623AN	AD623 / AD623ANZ	AD623 / AD623AR	AD623 / AD623AR-REEL	AD623 / AD623AR-REEL7
AD623 / AD623ARM	AD623 / AD623ARM-REEL	AD623 / AD623ARM-REEL7	AD623 / AD623ARMZ	AD623 / AD623ARMZ-REEL

AD623 / AD623ARMZ-REEL7	AD623 / AD623ARZ	AD623 / AD623ARZ-R7	AD623 / AD623ARZ-RL	AD623 / AD623BNZ
AD623 / AD623BR	AD623 / AD623BR-REEL	AD623 / AD623BR-REEL7	AD623 / AD623BRZ	AD623 / AD623BRZ-R7
AD623 / AD623BRZ-RL				

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	18-Jan-2012	Initial Release

Analog Devices, Inc.

DocId:1787 Parent DocId:1464 Layout Rev:6