



Product/Process Change Notice - PCN 13_0011 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: AD974 Polyimide Thickness and Bond Pad Size Change
Publication Date: 01-Feb-2013
Effectivity Date: 02-May-2013 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

The current polyimide thickness for the AD974 is being increased from 7um to 20um.

In addition, the bond pads for VXA and VXB are increasing in area (75% in the X direction and 25% in the Y direction). There are no other changes to the die layout. Die size remains the same.

Reason For Change

The thicker polyimide provides increased stress relief for the die, leading to a more predictable performance and delivery.

The bond pad areas are being increased to enable the use of Kelvin probes, improving the manufacturability of the part.

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

Changes to the devices will not impact form, fit, function, quality or reliability.

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

There will be no part marking changes. Date Code and lot tracing will be used to track the change, and the PCN will be updated to reflect implementation dates.

Summary of Supporting Information

Qualification will be performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Plan Summary.

Supporting Documents

Attachment 1: Type: Qualification Plan Summary

ADI_PCN_13_0011_Rev_-_AD974PCN.doc

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 (14)**

AD974 / AD71113BRS-RL7	AD974 / AD71113BRSZ-RL7	AD974 / AD974AN	AD974 / AD974ANZ	AD974 / AD974AR
AD974 / AD974ARSZ	AD974 / AD974ARZ	AD974 / AD974BN	AD974 / AD974BNZ	AD974 / AD974BR
AD974 / AD974BRS	AD974 / AD974BRS-RL7	AD974 / AD974BRSZ	AD974 / AD974BRZ	

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	01-Feb-2013	02-May-2013	Initial Release

Analog Devices, Inc.

DocId:2254 Parent DocId:977 Layout Rev:7