



Product/Process Change Notice - PCN 13_0277 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: AD977 and AD977A Polyimide Thickness and Bond Pad Size Change

Publication Date: 07-Nov-2013

Effectivity Date: 05-Feb-2014 *(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 AD977 and AD977A is being increased from 7um to 20um.

In addition, the bond pads for R1in,R2in and R3in are increasing in area (50% in the X 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.

Summary of Supporting Information

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

Supporting Documents

Attachment 1: Type: Qualification Report Summary

ADI_PCN_13_0277_Rev_-_AD977_Qual Summary.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 (35)**

AD977 / AD70001Z	AD977 / AD977AN	AD977 / AD977ANZ	AD977 / AD977AR	AD977 / AD977AR-REEL
AD977 / AD977ARS	AD977 / AD977ARSZ	AD977 / AD977ARSZRL	AD977 / AD977ARZ	AD977 / AD977ARZ-REEL
AD977 / AD977BNZ	AD977 / AD977BR	AD977 / AD977BRRL	AD977 / AD977BRS	AD977 / AD977BRSZ
AD977 / AD977BRZ	AD977 / AD977BRZRL	AD977 / AD977CNZ	AD977 / AD977CRRL	AD977 / AD977CRSZ
AD977 / AD977CRZ	AD977 / AD977CRZRL	AD977A / AD977AANZ	AD977A / AD977AAR	AD977A / AD977AARS
AD977A / AD977AARSZ	AD977A / AD977AARZ	AD977A / AD977ABN	AD977A / AD977ABR	AD977A / AD977ABRS
AD977A / AD977ABRSZ	AD977A / AD977ABRSZRL	AD977A / AD977ABRZ	AD977A / AD977ACRSZ	AD977A / AD977ACRZ

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	07-Nov-2013	05-Feb-2014	Initial Release

Analog Devices, Inc.

DocId:2630 Parent DocId:2377 Layout Rev:7