



Product/Process Change Notice - PCN 11_0069 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: Addition of Polyimide Layer to Select Devices

Publication Date: 18-Apr-2011

Effectivity Date: 17-Jul-2011 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

ADI will add a polyimide passivation layer on top of the existing glassivation layer on selected products on ADI proprietary wafer fabrication processes in AD-Wilmington.

Reason For Change

This additional polyimide layer offers enhanced protection against die scratches, package stresses and radiation.

This enhanced protection is particularly beneficial for ADI products that are offered in die form since it will reduce package stresses associated with certain end customer assembly applications including stacked die packages.

Note: Numerous ADI products have always had a polyimide passivation layer on top of the glassivation layer. These products have proven highly reliable through numerous qualifications and many years of field application.

This PCN covers released products that previously had no polyimide layer.

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 Reliability Report.

Comments

This PCN will be updated as additional parts are added to this list.

Supporting Documents

Attachment 1: Type: Reliability Report

ADI_PCN_11_0069_Rev_-_Qual Report.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 (18)**

AD629 / AD45073	AD629 / AD45073Z	AD629 / AD629AN	AD629 / AD629ANZ	AD629 / AD629AR	AD629 / AD629AR-REEL
AD629 / AD629AR-REEL7	AD629 / AD629ARZ	AD629 / AD629ARZ-R7	AD629 / AD629ARZ-RL	AD629 / AD629BN	AD629 / AD629BNZ
AD629 / AD629BR	AD629 / AD629BR-REEL	AD629 / AD629BR-REEL7	AD629 / AD629BRZ	AD629 / AD629BRZ-R7	AD629 / AD629BRZ-RL

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	18-Apr-2011	Initial Release

Analog Devices, Inc.

DocId:1496 Parent DocId:None Layout Rev:4