



Product/Process Change Notice - PCN 11_0208 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 a Polyimide Layer to SMP04 Diesale Part
Publication Date: 14-Dec-2011
Effectivity Date: 13-Mar-2012 *(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 for the SMP04 diesale part.

Reason For Change

Polyimide offers the following advantages: improved ESD robustness, enhanced protection against die scratches, package stresses, Surface ESD/EOS events 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.

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.

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

Changes to the device will not impact fit, function, quality or reliability. Polyimide coated wafers will have a golden yellow tint.

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_11_0208_Rev_-_Qual_Results.docx

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 (1)

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	14-Dec-2011	Initial Release