



Product/Process Change Notice - PCN 11_0189 Rev. A

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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.

Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

PCN Title: OP07 and OP177 Redesign of Vos Trims

Publication Date: 07-Nov-2011

Effectivity Date: 31-Jan-2012 (the earliest date that a customer could expect to receive changed material)

Revision Description:

Change effectivity date to 31-JAN-2012.
Add clarification that 20 micron polyimide Stress Relief coating is to be used.

Description Of Change

Changing the Vos Trim methodology at wafer level through a metal mask change to the P+ Resistor array in the input stage. Adding 20 microns of polyimide on top of die.

Reason For Change

Increased resolution of Vos Trim to improve Vos distribution for improved quality. Polyimide top coat is added as package stress relief mitigater.

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

This change will improve Vos distribution and hence quality of the part. This change will have no effect on the form, fit, function or reliability of the device.

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

DC 1205

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_11_0189_Rev_A_OP07C and OP177 Die RevA qual (per QP 9481) summary for PCN attachment.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

Existing Parts - Product Family / Model Number (16)

OP07 / OP07CPZ	OP07 / OP07CSZ	OP07 / OP07CSZ-REEL	OP07 / OP07CSZ-REEL7	OP07 / OP07EPZ
OP177 / OP177FPZ	OP177 / OP177FSZ	OP177 / OP177FSZ-REEL	OP177 / OP177FSZ-REEL7	OP177 / OP177GPZ

OP177 / OP177GS	OP177 / OP177GS-REEL	OP177 / OP177GS-REEL7	OP177 / OP177GSZ	OP177 / OP177GSZ-REEL
OP177 / OP177GSZ-REEL7				

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	20-Jul-2011	Initial Release
Rev. A	07-Nov-2011	Change effectivity date to 31-JAN-2012. Add clarification that 20 micron polyimide Stress Relief coating is to be used.

Analog Devices, Inc.

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