



Product/Process Change Notice - PCN 11_0252 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: AD9707, AD9706, AD9705, AD9704 Wafer Fab Transfer, Minor Circuit and Die Attach Change

Publication Date: 20-Dec-2011

Effectivity Date: 19-Mar-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

1. Wafer fab location transfer from TSMC WaferTech to TSMC Fab 8B.
2. Minor change to a DC bias circuit to increase operating margin during conditions of 1.8 volt supply and -40C. The datasheet does not change.
3. Datasheet change: PSRR specification change for 1.8 volt operation from +/- 1 % of FSR/V to +/- 2 %
4. Die attach material will change from Ablestik 8290 to Ablestik 3230.

Reason For Change

1. Wafer fab location change is being implemented as part of ADI's overall manufacturing strategy.
2. Ensure sufficient operating margin during extreme conditions of low power supply (1.8 volts) and -40C ambient temperature. Sufficient operating margin exists when powered from 2.0 volts at -40C as well as 1.8 volts and -25C.
3. Datasheet change will improve manufacturability and ensure continuity of supply.
4. ADI is standardizing the die attach for this package style.

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

No impact on fit, form, function and 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_11_0252_Rev_-_Qual Results.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 (10)**

AD9704 / AD9704BCPZ	AD9704 / AD9704BCPZRL7	AD9705 / AD9705BCPZ	AD9705 / AD9705BCPZRL7	AD9705 / AD9705XCPZ
AD9706 / AD9706BCPZ	AD9706 / AD9706BCPZRL7	AD9707 / AD9707BCPZ	AD9707 / AD9707BCPZRL	AD9707 / AD9707BCPZRL7

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	20-Dec-2011	Initial Release

Analog Devices, Inc.

DocId:1714 Parent DocId:1271 Layout Rev:6