



Product/Process Change Notice - PCN 10_0065 Rev. B

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.

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

PCN Title: Halogen Free Material Change for SSOP Products at Carsem
Publication Date: 25-Aug-2010
Effectivity Date: 25-Aug-2010 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Remove parts that are not affected by the change.

Description Of Change

This is a change to a new die attach and mold compound materials for assembly of ADI's SSOP products. In addition, ADI is transferring the assembly location of the SSOP products.

From Assembly Site: Carsem S
From die attach: Ablestik 84-1LMISR4
From mold compound: Sumitomo 6600H

To Assembly Site: Carsem M
To die attach: Henkel QMI-519
To mold compound: Hitachi CEL8240F10

ADI is currently in high volume production at Carsem M for SOIC_N, miniSOIC, QSOP, SOT23, SOT223, SOT143, SOT66, SC70, and TSOT packages.
The newly qualified materials are halogen free.

Rev B Note: For parts being removed, Effectivity Date is immediate. The parts from the previous revision will maintain original effectivity date of 05-Jul-2010.

Reason For Change

ADI is standardizing on halogen free package materials that have equivalent or improved material properties in response to our customer and industry demands for halogen free "green" products.

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

This change does not affect fit, form, function or reliability of the products

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

The earliest date code of the changed product is Date Code 1026

Summary of Supporting Information

Qualification has been performed per AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Reliability Report.

Supporting Documents

Attachment 1: Type: Reliability Report

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 (303)

AD1852 / AD1852JRSZ	AD1852 / AD1852JRSZRL	AD1853 / AD1853JRSZ	AD1853 / AD1853JRSZRL	AD1854 / AD1854JRSZ	AD1854 / AD1854JRSZRL
AD1854 / AD1854KRS	AD1854 / AD1854KRSRL	AD1871 / AD1871YRSZ	AD1871 / AD1871YRSZ-REEL	AD1895 / AD1895AYRSZ	AD1895 / AD1895AYRSZRL
AD1895 / AD71029YRS	AD1895 / AD71029YRSRL	AD1895 / AD71029YRSZ	AD1895 / AD71029YRSZRL	AD1895 / AD71032YRS	AD1895 / AD71032YRSRL
AD1895 / AD71032YRSZ	AD1895 / AD71032YRSZRL	AD1895 / AD71034YRS	AD1895 / AD71034YRSRL	AD1895 / AD71034YRSZ	AD1895 / AD71034YRSZRL
AD1895 / AD71059YRSZ	AD1895 / AD71059YRSZ-RL	AD1896 / AD1896AYRSZ	AD1896 / AD1896AYRSZRL	AD1955 / AD1955ARSZ	AD1955 / AD1955ARSZRL
AD5725 / AD5725ARSZ-1500RL7	AD5725 / AD5725ARSZ-1REEL	AD5725 / AD5725ARSZ-500RL7	AD5725 / AD5725ARSZ-REEL	AD5725 / AD5725BRSZ-1500RL7	AD5725 / AD5725BRSZ-1REEL
AD5725 / AD5725BRSZ-500RL7	AD5725 / AD5725BRSZ-REEL	AD607 / AD607ARS	AD607 / AD607ARS-REEL	AD607 / AD607ARSZ	AD607 / AD607ARSZ-REEL
AD7226 / AD7226BRS	AD7226 / AD7226BRS-REEL	AD7226 / AD7226BRSZ	AD73311 / AD73311ARSZ	AD73311 / AD73311ARSZ-REEL	AD73311L / AD73311LARSZ
AD73311L / AD73311LARSZ-REEL	AD73311L / AD73311LARSZ-REEL7	AD7714 / AD42/296-0REEL7	AD7714 / AD7714ARS-3	AD7714 / AD7714ARS-3REEL	AD7714 / AD7714ARS-5
AD7714 / AD7714ARS-5REEL	AD7714 / AD7714ARSZ-3	AD7714 / AD7714ARSZ-3REEL	AD7714 / AD7714ARSZ-5	AD7714 / AD7714ARSZ-5REEL	AD7805 / AD7805BRS
AD7805 / AD7805BRSZ	AD7805 / AD7805BRSZ-REEL	AD7805 / AD7805BRSZ-REEL7	AD7828 / AD7828LRS	AD7828 / AD7828LRS-REEL	AD7828 / AD7828LRSZ
AD7854 / AD7854ARS	AD7854 / AD7854ARS-REEL	AD7854 / AD7854ARSZ	AD7854 / AD7854LARS	AD7854 / AD7854LARSZ	AD7854 / AD7854LARSZ-REEL
AD7862 / AD7862ARS-10	AD7862 / AD7862ARS-10REEL	AD7862 / AD7862ARS-2	AD7862 / AD7862ARS-2REEL	AD7862 / AD7862ARS-3	AD7862 / AD7862ARS-3REEL
AD7862 / AD7862ARSZ-10	AD7862 / AD7862ARSZ-10REEL	AD7862 / AD7862ARSZ-2	AD7862 / AD7862ARSZ-2REEL	AD7862 / AD7862ARSZ-3	AD7862 / AD7862ARSZ-3REEL
AD7863 / AD7863ARS-10	AD7863 / AD7863ARS-10REEL7	AD7863 / AD7863ARS-2	AD7863 / AD7863ARS-2REEL	AD7863 / AD7863ARS-2REEL7	AD7863 / AD7863ARS-3
AD7863 / AD7863ARS-3REEL	AD7863 / AD7863ARS-3REEL7	AD7863 / AD7863ARSZ-10	AD7863 / AD7863ARSZ-10REEL	AD7863 / AD7863ARSZ-10REEL7	AD7863 / AD7863ARSZ-2
AD7863 / AD7863ARSZ-2REEL	AD7863 / AD7863ARSZ-2REEL7	AD7863 / AD7863ARSZ-3	AD7863 / AD7863ARSZ-3REEL	AD7863 / AD7863ARSZ-3REEL7	AD7899 / AD7899ARS-1
AD7899 / AD7899ARS-1REEL	AD7899 / AD7899ARS-1REEL7	AD7899 / AD7899ARS-2	AD7899 / AD7899ARSZ-1	AD7899 / AD7899ARSZ-1REEL	AD7899 / AD7899ARSZ-1REEL7
AD7899 / AD7899ARSZ-2	AD7899 / AD7899ARSZ-2REEL	AD7899 / AD7899ARSZ-3	AD7899 / AD7899ARSZ-3REEL	AD80066 / AD80066KRSZ	AD80066 / AD80066KRSZRL
AD9051 / AD80232BRSZ-2V	AD9051 / AD80232BRSZRL-2V	AD9051 / AD9051BRS	AD9051 / AD9051BRS-2V	AD9051 / AD9051BRSRL	AD9051 / AD9051BRSRL-2V
AD9051 / AD9051BRSZ	AD9051 / AD9051BRSZ-2V	AD9051 / AD9051BRSZRL	AD9051 / AD9051BRSZRL-2V	AD9057 / AD9057BRS-40	AD9057 / AD9057BRS-60
AD9057 / AD9057BRS-80	AD9057 / AD9057BRS-RL40	AD9057 / AD9057BRSZ-40	AD9057 / AD9057BRSZ-60	AD9057 / AD9057BRSZ-80	AD9057 / AD9057BRSZ-RL40
AD9057 / AD9057BRSZ-RL60	AD9057 / AD9057BRSZ-RL80	AD9059 / AD9059BRS	AD9059 / AD9059BRS-REEL	AD9059 / AD9059BRSZ	AD9059 / AD9059BRSZ-REEL
AD9066 / AD9066ARS-REEL	AD9200 / AD80024JRSZRL	AD9200 / AD9200ARS	AD9200 / AD9200ARSRL	AD9200 / AD9200ARSZ	AD9200 / AD9200ARSZRL
AD9200 / AD9200JRSZ	AD9200 / AD9200JRSZRL	AD9201 / AD9201ARS	AD9201 / AD9201ARSRL	AD9201 / AD9201ARSZ	AD9201 / AD9201ARSZRL
AD9214 / AD9214BRS-105	AD9214 / AD9214BRS-65	AD9214 / AD9214BRS-80	AD9214 / AD9214BRS-RL105	AD9214 / AD9214BRS-RL65	AD9214 / AD9214BRSZ-105
AD9214 / AD9214BRSZ-65	AD9214 / AD9214BRSZ-80	AD9214 / AD9214BRSZ-RL105	AD9214 / AD9214BRSZ-RL65	AD9214 / AD9214BRSZ-RL80	AD9220 / AD9220ARS
AD9220 / AD9220ARS-REEL	AD9220 / AD9220ARSZ	AD9220 / AD9220ARSZ-REEL	AD9223 / AD9223ARSZ	AD9223 / AD9223ARSZ-REEL	AD9224 / AD9224ARSZ
AD9224 / AD9224ARSZRL	AD9226 / AD9226ARS	AD9226 / AD9226ARSRL	AD9226 / AD9226ARSZ	AD9226 / AD9226ARSZRL	AD9280 / AD9280ARS
AD9280 / AD9280ARSRL	AD9280 / AD9280ARSZ	AD9280 / AD9280ARSZRL	AD9281 / AD80098Z	AD9281 / AD9281ARS	AD9281 / AD9281ARSRL
AD9281 / AD9281ARSZ	AD9281 / AD9281ARSZRL	AD9283 / AD9283BRS-100	AD9283 / AD9283BRS-50	AD9283 / AD9283BRS-80	AD9283 / AD9283BRS-RL100
AD9283 / AD9283BRS-RL50	AD9283 / AD9283BRSZ-100	AD9283 / AD9283BRSZ-50	AD9283 / AD9283BRSZ-80	AD9283 / AD9283BRSZ-RL100	AD9283 / AD9283BRSZ-RL50
AD9283 / AD9283BRSZ-RL80	AD9761 / AD9761ARS	AD9761 / AD9761ARSRL	AD9761 / AD9761ARSZ	AD9761 / AD9761ARSZRL	AD977 / AD70001Z
AD9822 / AD9822JRSZ	AD9822 / AD9822JRSZRL	AD9827 / AD9827KRSZ	AD9827 / AD9827KRSZRL	AD9850 / AD9850BRS	AD9850 / AD9850BRS-REEL
AD9850 / AD9850BRSZ	AD9850 / AD9850BRSZ-REEL	AD9851 / AD9851BRS	AD9851 / AD9851BRSRL	AD9851 / AD9851BRSZ	AD9851 / AD9851BRSZRL
ADE7751 / ADE7751ARSZ	ADE7751 / ADE7751ARSZRL	ADE7753 / AD71045ARS	ADE7753 / AD71089ARS	ADE7753 / AD71089ARS-RL	ADE7753 / AD71089ARSZ
ADE7753 / AD71089ARSZ-RL	ADE7753 / ADE7753ARSZ	ADE7753 / ADE7753ARSZRL	ADE7755 / AD71057ARSRL	ADE7755 / AD71057ARSZ	ADE7755 / AD71057ARSZ-RL
ADE7755 / AD71079ARS	ADE7755 / AD71079ARSRL	ADE7755 / AD71079ARSZ	ADE7755 / AD71079ARSZ-RL	ADE7755 / ADE7755ARSZ	ADE7755 / ADE7755ARSZRL
ADE7759 / AD71039ARS	ADE7759 / AD71039ARSRL	ADE7759 / AD71039ARSZ	ADE7759 / AD71039ARSZRL	ADE7759 / ADE7759ARS	ADE7759 / ADE7759ARSRL
ADE7759 / ADE7759ARSZ	ADE7759 / ADE7759ARSZRL	ADE7761A / ADE7761AARSZ	ADE7761A / ADE7761AARSZ-RL	ADE7761B / ADE7761BARSZ	ADE7761B / ADE7761BXR
ADE7761B / ADE7761BXR	ADE7763 / ADE7763ARSZ	ADE7763 / ADE7763ARSZRL	ADG333A / ADG333ABRS	ADG333A / ADG333ABRS-REEL	ADG333A / ADG333ABRSZ
ADG333A / ADG333ABRSZ-REEL	ADG426 / ADG426BRS	ADG426 / ADG426BRS-REEL	ADG426 / ADG426BRS-REEL7	ADG426 / ADG426BRSZ	ADG426 / ADG426BRSZ-REEL
ADG467 / ADG467BRS	ADG467 / ADG467BRS-REEL	ADG467 / ADG467BRSZ	ADG467 / ADG467BRSZ-REEL	ADG467 / ADG467BRSZ-S8	ADM1385 / ADM1385ARS
ADM1385 / ADM1385ARS-REEL	ADM1385 / ADM1385ARS-REEL7	ADM1385 / ADM1385ARSZ	ADM1385 / ADM1385ARSZ-REEL	ADM1385 / ADM1385ARSZ-REEL7	ADM207 / ADM207ARS
ADM207 / ADM207ARS-REEL	ADM207 / ADM207ARSZ	ADM207 / ADM207ARSZ-REEL	ADM207E / ADM207EARS	ADM207E / ADM207EARS-REEL	ADM207E / ADM207EARSZ
ADM207E / ADM207EARSZ-REEL	ADM211 / ADM211ARS	ADM211 / ADM211ARS-REEL	ADM211 / ADM211ARSZ	ADM211 / ADM211ARSZ-REEL	ADM211E / ADM211EARS-2REEL

ADM211E / ADM211EARSZ-2REEL	ADM213 / ADM213ARS	ADM213 / ADM213ARS-REEL	ADM213 / ADM213ARSZ	ADM213 / ADM213ARSZ-REEL	ADM241L / ADM241LARS
ADM241L / ADM241LARS-REEL	ADM241L / ADM241LARSZ	ADM241L / ADM241LARSZ-REEL	ADM241L / ADM241LJRS	ADM241L / ADM241LJRS-REEL	ADM241L / ADM241LJRSZ
ADM241L / ADM241LJRSZ-REEL	ADM3222 / ADM3222ARS	ADM3222 / ADM3222ARS-REEL	ADM3222 / ADM3222ARS-REEL7	ADM3222 / ADM3222ARSZ	ADM3222 / ADM3222ARSZ-REEL
ADM3222 / ADM3222ARSZ-REEL7	ADM560 / ADM560JRS	ADM560 / ADM560JRS-REEL	ADM560 / ADM560JRSZ	ADM560 / ADM560JRSZ-REEL	ADM561 / ADM561JRS
ADM561 / ADM561JRS-REEL	ADM561 / ADM561JRSZ	ADM561 / ADM561JRSZ-REEL			

Removed Parts On All Revisions - Product Family / Model Number (43)

AD7701 / AD42/270-0REEL	AD7701 / AD7701ARS	AD7701 / AD7701ARS-REEL	AD7701 / AD7701ARSZ	AD7701 / AD7701ARSZ-REEL	AD7943 / AD7943ARS-B
AD7943 / AD7943ARS-BREEL	AD7943 / AD7943BRS	AD7943 / AD7943BRS-REEL	AD7945 / AD7945ARS-B	AD7945 / AD7945ARS-BREEL	AD7945 / AD7945BRSZ-REEL
AD7948 / AD7948ARS-B	AD7948 / AD7948ARS-BREEL	AD7948 / AD7948ARSZ-B	AD7948 / AD7948ARSZ-BREEL	AD7948 / AD7948BRS	AD7948 / AD7948BRSZ
AD7948 / AD7948BRSZ-REEL	AD974 / AD974ARSZ	AD974 / AD974BRS	AD974 / AD974BRS-RL7	AD974 / AD974BRSZ	AD976 / AD976ARS
AD976 / AD976ARSZ	AD976 / AD976ARSZRL	AD976 / AD976BRS	AD976 / AD976BRSZ	AD976 / AD976BRSZRL	AD976A / AD976AARS
AD976A / AD976AARSZ	AD976A / AD976AARSZRL	AD976A / AD976ABRS	AD976A / AD976ABRSZ	AD976A / AD976ABRSZRL	AD977 / AD977ARS
AD977 / AD977ARSZ	AD977 / AD977ARSZRL	AD977A / AD977AARS	AD977A / AD977AARSZ	AD977A / AD977ABRS	AD977A / AD977ABRSZ
AD977A / AD977ABRSZRL					

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	06-Apr-2010	Initial Release
Rev. A	19-May-2010	Remove parts that are not affected with the change
Rev. B	25-Aug-2010	Remove parts that are not affected by the change.

Analog Devices, Inc.

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