



Product/Process Change Notice - PCN 10_0001 Rev. A

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 QSOP Products

Publication Date: 26-Aug-2010

Effectivity Date: 24-Nov-2010 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Added finished goods models.
Updated detailed parts list.

Description Of Change

This is a change in die attach and mold compound materials for assembly of ADI products in the QSOP package.

Assembly Site: Carsen

From this die attach: Ablestik 84-1LMISR4

To this die attach: Henkel QMI-519

From this mold compound: Sumitomo 6600H

To this mold compound: Hitachi CEL-8240

Assembly Site: Amkor

From this mold compound: Sumitomo 6600H

To this mold compound: Sumitomo G600

RevA

Note: The parts from Rev- will maintain original effectivity date of 26-Apr-2010. Added parts will have the standard 90 day effectivity.

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)*

Rev -

The earliest date code of the changed product is 1019.

RevA

The earliest EIA date code of the changed products added is Date Code 1047.

Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Reliability Report summary.

Supporting Documents

Attachment 1: Type: Reliability Report

ADI_PCN_10_0001_Rev_A_HF QSOP Qual Data.pdf

Attachment 2: Type: Detailed Parts List

ADI_PCN_10_0001_Rev_A_HF QSOP Parts List.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

Existing Parts - Product Family / Model Number (161)

AD5100 / AD5100YRQZ-1REEL	AD5100 / AD5100YRQZ-1RL7	AD7843 / AD7843ARQ	AD7843 / AD7843ARQ-REEL	AD7843 / AD7843ARQ-REEL7	AD7843 / AD7843ARQZ
AD7843 / AD7843ARQZ-REEL	AD7843 / AD7843ARQZ-REEL7	AD7873 / AD7873ARQ	AD7873 / AD7873ARQZ	AD7873 / AD7873ARQZ-REEL	AD7873 / AD7873ARQZ-REEL7
AD7873 / AD7873BRQ	AD7873 / AD7873BRQ-REEL	AD7873 / AD7873BRQZ	AD7873 / AD7873BRQZ-REEL	AD7873 / AD7873BRQZ-REEL7	AD8324 / AD8324JRQ
AD8324 / AD8324JRQ-REEL	AD8324 / AD8324JRQ-REEL7	AD8324 / AD8324JRQZ	AD8324 / AD8324JRQZ-REEL	AD8324 / AD8324JRQZ-REEL7	AD8328 / AD8328ARQ
AD8328 / AD8328ARQ-REEL	AD8328 / AD8328ARQZ	AD8328 / AD8328ARQZ-REEL	AD8330 / AD8330ARQ	AD8330 / AD8330ARQ-REEL	AD8330 / AD8330ARQ-REEL7
AD8330 / AD8330ARQZ	AD8330 / AD8330ARQZ-R7	AD8330 / AD8330ARQZ-RL	AD8331 / AD8331ARQ	AD8331 / AD8331ARQ-REEL	AD8331 / AD8331ARQ-REEL7
AD8331 / AD8331ARQZ	AD8331 / AD8331ARQZ-R7	AD8331 / AD8331ARQZ-RL	AD8604 / AD8604ARQZ	AD8604 / AD8604ARQZ-R7	AD8604 / AD8604ARQZ-RL
ADA4411-3 / ADA4411-3ARQZ	ADA4411-3 / ADA4411-3ARQZ-R7	ADA4411-3 / ADA4411-3ARQZ-RL	ADA4412-3 / ADA4412-3ARQZ	ADA4412-3 / ADA4412-3ARQZ-R7	ADA4412-3 / ADA4412-3ARQZ-RL
ADA4420-6 / ADA4420-6ARQZ	ADA4420-6 / ADA4420-6ARQZ-R7	ADA4420-6 / ADA4420-6ARQZ-RL	ADCMP551 / ADCMP551BRQ	ADCMP551 / ADCMP551BRQZ	ADCMP552 / ADCMP552BRQ
ADCMP552 / ADCMP552BRQZ	ADCMP561 / ADCMP561BRQ	ADCMP561 / ADCMP561BRQZ	ADCMP562 / ADCMP562BRQ	ADCMP562 / ADCMP562BRQZ	ADCMP563 / ADCMP563BRQ
ADCMP563 / ADCMP563BRQZ	ADCMP564 / ADCMP564BRQ	ADCMP564 / ADCMP564BRQZ	ADG3257 / ADG3257BRQ	ADG3257 / ADG3257BRQ-REEL	ADG3257 / ADG3257BRQ-REEL7
ADG3257 / ADG3257BRQZ	ADG3257 / ADG3257BRQZ-REEL	ADG3257 / ADG3257BRQZ-REEL7	ADG658 / ADG658YRQ	ADG658 / ADG658YRQ-REEL	ADG658 / ADG658YRQ-REEL7
ADG658 / ADG658YRQZ	ADG658 / ADG658YRQZ-REEL7	ADG659 / ADG659YRQ	ADG659 / ADG659YRQ-REEL	ADG659 / ADG659YRQ-REEL7	ADG659 / ADG659YRQZ
ADG733 / ADG733BRQ	ADG733 / ADG733BRQ-REEL	ADG733 / ADG733BRQ-REEL7	ADG733 / ADG733BRQZ	ADG733 / ADG733BRQZ-REEL	ADG733 / ADG733BRQZ-REEL7
ADG774 / ADG774BRQ	ADG774 / ADG774BRQ-REEL	ADG774 / ADG774BRQ-REEL7	ADG774 / ADG774BRQZ	ADG774 / ADG774BRQZ-REEL	ADG774 / ADG774BRQZ-REEL7
ADG774A / ADG774ABRQ	ADG774A / ADG774ABRQ-REEL7	ADG774A / ADG774ABRQZ	ADG774A / ADG774ABRQZ-REEL	ADG774A / ADG774ABRQZ-REEL7	ADG794 / ADG794BRQZ
ADG794 / ADG794BRQZ-500RL7	ADG794 / ADG794BRQZ-REEL	ADG794 / ADG794BRQZ-REEL7	ADM1041 / ADM1041ARQZ	ADM1041 / ADM1041ARQZ-REEL	ADM1041 / ADM1041ARQZ-REEL7
ADM1041A / ADM1041AARQZ	ADM1041A / ADM1041AARQZ-REEL	ADM1041A / ADM1041AARQZ-REEL7	ADM1186 / ADM1186-1ARQZ	ADM1186 / ADM1186-1ARQZ-REEL	ADM1186 / ADM1186-2ARQZ
ADM1186 / ADM1186-2ARQZ-REEL	ADM12914 / ADM12914-1ARQZ	ADM12914 / ADM12914-1ARQZ-RL7	ADM12914 / ADM12914-2ARQZ	ADM12914 / ADM12914-2ARQZ-RL7	ADM2914 / ADM2914-1ARQZ
ADM2914 / ADM2914-1ARQZ-RL7	ADM2914 / ADM2914-2ARQZ	ADM2914 / ADM2914-2ARQZ-RL7	ADM3101E / ADM3101EARQZ	ADM3101E / ADM3101EARQZ-REEL	ADM869L / ADM869LARQ
ADM869L / ADM869LARQ-REEL	ADM869L / ADM869LARQ-REEL7	ADM869L / ADM869LARQZ	ADM869L / ADM869LARQZ-REEL7	ADP1821 / ADP1821ARQZ-R7	ADP1822 / ADP1822ARQZ-R7
ADP1828 / ADP1828YRQZ-R7	ADT7316 / ADT7316ARQ	ADT7316 / ADT7316ARQ-REEL7	ADT7316 / ADT7316ARQZ	ADT7316 / ADT7316ARQZ-REEL	ADT7316 / ADT7316ARQZ-REEL7
ADT7317 / ADT7317ARQ	ADT7317 / ADT7317ARQ-REEL	ADT7317 / ADT7317ARQZ	ADT7317 / ADT7317ARQZ-REEL	ADT7317 / ADT7317ARQZ-REEL7	ADT7318 / ADT7318ARQZ
ADT7318 / ADT7318ARQZ-REEL	ADT7318 / ADT7318ARQZ-REEL7	ADT7411 / ADT7411ARQ	ADT7411 / ADT7411ARQ-REEL	ADT7411 / ADT7411ARQ-REEL7	ADT7411 / ADT7411ARQZ
ADT7411 / ADT7411ARQZ-REEL	ADT7411 / ADT7411ARQZ-REEL7	ADT7470 / ADT7470ARQZ	ADT7470 / ADT7470ARQZ-REEL	ADT7470 / ADT7470ARQZ-REEL7	ADT7516 / ADT7516ARQ
ADT7516 / ADT7516ARQZ	ADT7516 / ADT7516ARQZ-REEL	ADT7516 / ADT7516ARQZ-REEL7	ADT7517 / ADT7517ARQZ	ADT7517 / ADT7517ARQZ-REEL	ADT7517 / ADT7517ARQZ-REEL7
ADT7519 / ADT7519ARQ	ADT7519 / ADT7519ARQ-REEL	ADT7519 / ADT7519ARQZ	ADT7519 / ADT7519ARQZ-REEL	ADT7519 / ADT7519ARQZ-REEL7	

Added Parts On This Revision - Product Family / Model Number (3)

AD8604 / AD8604ARQZ	AD8604 / AD8604ARQZ-R7	AD8604 / AD8604ARQZ-RL
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Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	26-Jan-2010	Initial Release
Rev. A	26-Aug-2010	Added finished goods models. Updated detailed parts list.

Analog Devices, Inc.

DocId:1258 Parent DocId:None Layout Rev.3