



## Product/Process Change Notice - PCN 12\_0105 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:** Halogen Free Material Change for Select SOIC Narrow and Wide Body Products Assembled at Amkor

**Publication Date:** 20-Jul-2012

**Effectivity Date:** 18-Oct-2012 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

This is a change in mold compound materials for assembly of ADI products in SOIC Narrow and Wide Body packages at Amkor.

From this mold compound: Sumitomo 6600H

To this mold compound: Sumitomo G600

### 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 1240.

### Summary of Supporting Information

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

### Supporting Documents

**Attachment 1: Type:** Qualification Report Summary

ADI\_PCN\_12\_0105\_Rev\_-\_Qual summary.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



**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (224)**

AD5551 / AD5551BR	AD5551 / AD5551BR-REEL7	AD623 / AD623ARZ	AD623 / AD623ARZ-R7	AD623 / AD623ARZ-RL
AD623 / AD623BRZ	AD623 / AD623BRZ-R7	AD623 / AD623BRZ-RL	AD7812 / AD7812YR	AD7812 / AD7812YR-REEL
AD7812 / AD7812YR-REEL7	AD7812 / AD7812YRZ	AD7812 / AD7812YRZ-REEL	AD7812 / AD7812YRZ-REEL7	AD8028 / ADW13004Z
AD8202 / AD45098	AD8202 / AD8202WYRZ	AD8202 / AD8202WYRZ-RL	AD8202 / AD8202YRZ	AD8202 / AD8202YRZ-R7
AD8202 / AD8202YRZ-RL	AD8202 / ADW6600YRZ	AD8203 / AD45099	AD8203 / AD8203YRZ	AD8203 / AD8203YRZ-R7
AD8203 / AD8203YRZ-RL	AD8205 / AD8205WYRZ	AD8205 / AD8205WYRZ-R7	AD8205 / AD8205WYRZ-RL	AD8205 / AD8205YRZ
AD8205 / AD8205YRZ-R7	AD8205 / AD8205YRZ-RL	AD8206 / AD8206WYRZ	AD8206 / AD8206WYRZ-R7	AD8206 / AD8206WYRZ-RL
AD8206 / AD8206YRZ	AD8206 / AD8206YRZ-REEL	AD8206 / AD8206YRZ-REEL7	AD8206 / ADW66001YRZ	AD8206 / ADW66002YRZ-RL
AD8206 / ADW66004YRZ-R7	AD8206 / ADW68206YRZ-RL	AD8207 / AD8207WBRZ	AD8207 / AD8207WBRZ-R7	AD8207 / AD8207WBRZ-RL
AD8208 / AD8208WBRZ	AD8208 / AD8208WBRZ-R7	AD8208 / AD8208WBRZ-RL	AD8210 / AD8210WYRZ	AD8210 / AD8210WYRZ-R7
AD8210 / AD8210WYRZ-RL	AD8210 / AD8210YRZ	AD8210 / AD8210YRZ-REEL	AD8210 / AD8210YRZ-REEL7	AD8215 / AD8215WYRZ
AD8215 / AD8215WYRZ-R7	AD8215 / AD8215WYRZ-RL	AD8215 / AD8215YRZ	AD8215 / AD8215YRZ-R7	AD8215 / AD8215YRZ-RL
AD8216 / AD8216WYRZ	AD8216 / AD8216WYRZ-R7	AD8216 / AD8216WYRZ-RL	AD8403 / AD8403WARZ50-REEL	AD8602 / ADW60025ARZ-RL
AD8606 / AD8606AR	AD8606 / AD8606AR-REEL	AD8606 / AD8606AR-REEL7	AD8606 / AD8606ARZ	AD8606 / AD8606ARZ-REEL
AD8606 / AD8606ARZ-REEL7	AD8606 / ADW60029ARZ-RL	AD8616 / AD8616ARZ	AD8616 / AD8616ARZ-REEL	AD8616 / AD8616ARZ-REEL7
AD8617 / AD8617WARZ-R7	AD8617 / AD8617WARZ-RL	AD8628 / AD8628WARZ-R7	AD8628 / AD8628WARZ-RL	AD8629 / AD8629WARZ-R7
AD8629 / AD8629WARZ-RL	AD8629 / ADW60019ARZ-R7	AD8639 / AD8639WARZ	AD8639 / AD8639WARZ-R7	AD8639 / AD8639WARZ-RL
AD8641 / AD8641ARZ	AD8641 / AD8641ARZ-REEL	AD8641 / AD8641ARZ-REEL7	AD8641 / ADW60031ARZ-R7	AD8642 / ADW60013ARZ-RL
AD8646 / AD8646WARZ-R7	AD8646 / AD8646WARZ-RL	AD8655 / AD8655ARZ	AD8655 / AD8655ARZ-REEL	AD8655 / AD8655ARZ-REEL7
AD8671 / AD8671ARZ	AD8671 / AD8671ARZ-REEL	AD8671 / AD8671ARZ-REEL7	AD8672 / AD8672ARZ	AD8672 / AD8672ARZ-REEL
AD8672 / AD8672ARZ-REEL7	AD8676 / AD8676ARZ	AD8676 / AD8676ARZ-REEL	AD8676 / AD8676ARZ-REEL7	AD8677 / ADW60030ARZ-R7
ADA4091-2 / ADA4091-2ARZ	ADA4091-2 / ADA4091-2ARZ-R7	ADA4091-2 / ADA4091-2ARZ-RL	ADG419 / ADG419BRZ	ADG419 / ADG419BRZ-REEL
ADG419 / ADG419BRZ-REEL7	ADM3075E / ADM3075EWYRZ	ADM3075E / ADM3075EWYRZ-RL7	ADM3493 / ADM3493ARZ	ADM3493 / ADM3493ARZ-REEL7
ADM483E / ADM483EARZ	ADM483E / ADM483EARZ-REEL	ADM487E / ADM487EARZ	ADM487E / ADM487EARZ-REEL7	ADM487E / ADM487EWARZ
ADM487E / ADM487EWARZ-REEL7	ADM706 / AD51080-0REEL7	ADM706 / AD51080Z-0REEL7	ADM706 / ADM706AR	ADM706 / ADM706AR-REEL
ADM706 / ADM706AR-REEL7	ADM706 / ADM706ARZ	ADM706 / ADM706ARZ-REEL	ADM706 / ADM706ARZ-REEL7	ADM706 / ADM706PARZ
ADM706 / ADM706PARZ-REEL	ADM706 / ADM706PARZ-TSMC2	ADM708 / ADM708SARZ	ADM708 / ADM708SARZ-REEL	ADP3050 / ADP3050ARZ-5
ADP3050 / ADP3050ARZ-5-REEL	ADP3050 / ADP3050ARZ-5-REEL7	ADR02 / ADR02ARZ	ADR02 / ADR02ARZ-REEL	ADR02 / ADR02ARZ-REEL7
ADR02 / ADR02BRZ	ADR02 / ADR02BRZ-REEL7	ADR02 / ADR02WARZ-REEL	ADR02 / ADR02WARZ-REEL7	ADR291 / ADR291ERZ
ADR291 / ADR291ERZ-REEL7	ADR291 / ADR291FRZ	ADR291 / ADR291FRZ-REEL	ADR291 / ADR291FRZ-REEL7	ADR291 / ADR291GRZ
ADR291 / ADR291GRZ-REEL	ADR291 / ADR291GRZ-REEL7	ADR291 / ADR291WFRZ-R7	ADR291 / ADR291WFRZ-RL	ADR292 / ADR292ERZ
ADR292 / ADR292ERZ-REEL	ADR292 / ADR292FRZ	ADR292 / ADR292FRZ-REEL	ADR292 / ADR292FRZ-REEL7	ADR292 / ADR292GRZ
ADR292 / ADR292GRZ-REEL7	ADR435 / ADR435ARZ	ADR435 / ADR435ARZ-REEL7	ADR435 / ADR435BRZ	ADR435 / ADR435BRZ-REEL7
ADR444 / ADR444ARZ	ADR444 / ADR444ARZ-REEL7	ADR444 / ADR444BRZ	ADR444 / ADR444BRZ-REEL7	ADT7311 / ADT7311WTRZ
ADT7311 / ADT7311WTRZ-RL	ADT7311 / ADT7311WTRZ-RL7	ADT7410 / ADT7410TRZ	ADT7410 / ADT7410TRZ-REEL	ADT7410 / ADT7410TRZ-REEL7
OP07 / OP07CSZ	OP07 / OP07CSZ-REEL	OP07 / OP07CSZ-REEL7	OP07D / OP07DRZ	OP07D / OP07DRZ-REEL
OP07D / OP07DRZ-REEL7	OP2177 / OP2177AR	OP2177 / OP2177AR-REEL	OP2177 / OP2177AR-REEL7	OP284 / OP284009SR
OP284 / OP284ES	OP284 / OP284ES-REEL	OP284 / OP284ES-REEL7	OP284 / OP284ESZ	OP284 / OP284ESZ-REEL
OP284 / OP284ESZ-REEL7	OP284 / OP284FS	OP284 / OP284FS-REEL	OP284 / OP284FS-REEL7	OP284 / OP284FSZ
OP284 / OP284FSZ-REEL	OP284 / OP284FSZ-REEL7	REF01 / REF01CSZ	REF01 / REF01CSZ-REEL	REF01 / REF01CSZ-REEL7
REF03 / REF03GSZ	REF03 / REF03GSZ-REEL	REF03 / REF03GSZ-REEL7	REF192 / REF192ES	REF192 / REF192ES-REEL
REF192 / REF192ES-REEL7	REF192 / REF192ESZ	REF192 / REF192ESZ-REEL	REF192 / REF192ESZ-REEL7	REF192 / REF192GS
REF192 / REF192GS-REEL	REF192 / REF192GS-REEL7	REF192 / REF192GSZ	REF192 / REF192GSZ-REEL	REF192 / REF192GSZ-REEL7
REF195 / ADW63008GSZ-RL	REF195 / REF195ESZ	REF195 / REF195ESZ-REEL	REF195 / REF195FSZ	REF195 / REF195FSZ-REEL
REF195 / REF195GSZ	REF195 / REF195GSZ-REEL	REF195 / REF195GSZ-REEL7	SSM2211 / ADW60017SZ-RL	

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	20-Jul-2012	18-Oct-2012	Initial Release

Analog Devices, Inc.

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