



## Product/Process Change Notice - PCN 09\_0146 Rev. -

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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.

**PCN Title:** Die revision of the AD8250, AD8251 and the AD8253 to include Polyimide coating

**Publication Date:** 11-Sep-2009

**Samples Available Date:** 30-Nov-2009

**Effectivity Date:** 10-Dec-2009 *(the earliest date that a customer could expect to receive changed material)*

### Description Of Change

Polyimide overcoat layer to be implemented for the wafer fabrication process of the AD8250, AD8251 and the AD8253. Electrical performance (per datasheet) is not affected by this change.

### Reason For Change

Vos, Gain and CMRR performance of the AD8250, AD8251 and the AD8253 has been related to package stress sensitivity. Addition of the polyimide layer reduces this sensitivity to package stress and gives flexibility in choosing package materials.

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

The addition of Polyimide material will not affect the fit, form, or function that would be seen by the end-user. The performance of the part will continue to match the specifications in the datasheet.

### Summary of Supporting Information

Qualification has been performed per Analog Devices specification ADI0012. See attached qualification data.

### Supporting Documents

**Attachment 1:** ADI\_PCN\_09\_0146\_Rev\_-\_Polyimide Qual Data.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 (14)**

AD8250 / AD8250-EVALZ	AD8250 / AD8250ARMZ	AD8250 / AD8250ARMZ-R7	AD8250 / AD8250ARMZ-RL	AD8251 / AD8251-EVALZ	AD8251 / AD8251ARMZ
AD8251 / AD8251ARMZ-R7	AD8251 / AD8251ARMZ-RL	AD8253 / AD8253-EVALZ	AD8253 / AD8253ARMZ	AD8253 / AD8253ARMZ-C	AD8253 / AD8253ARMZ-R7
AD8253 / AD8253ARMZ-R7-C	AD8253 / AD8253ARMZ-RL				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Rev Description</b>
Rev. -	11-Sep-2009	Die revision of the AD8250, AD8251 and the AD8253 to include Polyimide coating

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