



## Product/Process Change Notice - PCN 16\_0191 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 Appendix A) that you may have purchased in the last 2 years. **Any inquiries or requests with this PCN (additional data or samples) must be sent to ADI within 30 days of publication date.** ADI contact information is listed below.

**PCN Title:** ADuM5010/ADuM6010 Die Revision

**Publication Date:** 26-Sep-2016

**Effectivity Date:** 25-Dec-2016 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

Die Changes:

1. Modify isoPower control logic to use Under Voltage Lockout (UVLO) signal to gate the transformer driver output in the feedback control channel.
2. Change in Polyimide material formulation used in the insulation process on coil die.
3. Additional layer of Polyimide passivation on top of the non-coil die.

### Reason For Change

Die Changes:

1. Improve the robustness of the Viso start-up circuitry at low temperature.
2. Transition away from a Polyimide insulation material in obsolescence. The new Polyimide material formulation will continue to support the UL, CSA, and VDE safety certifications obtained with the original Polyimide insulation.
3. Polyimide overcoats offer the following advantages: improved ESD robustness, enhanced protection against die scratches, package stresses, surface ESD/EOS events and radiation.

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

No change to fit, form, or reliability.  
No change to the data sheet.  
Improved robustness.

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

Cut-Over Date Code provided upon request after PCN approvals.

### Summary of Supporting Information

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary.

### Supporting Documents

**For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.**

**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 (4)**

ADUM5010 / ADUM5010ARSZ

ADUM5010 / ADUM5010ARSZ-RL7

ADUM6010 / ADUM6010ARSZ

ADUM6010 / ADUM6010ARSZ-RL7

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	26-Sep-2016	25-Dec-2016	Initial Release

Analog Devices, Inc.

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