



## Product/Process Change Notice - PCN 15\_0165 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:** Addition of a Polyimide Layer for ADuM7440/ADuM7441/ADuM7442 Devices

**Publication Date:** 19-Aug-2015

**Effectivity Date:** 17-Nov-2015 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

ADI will add a polyimide passivation layer on top of the existing coil die.

### Reason For Change

Polyimide offers the following advantages: improved ESD robustness, enhanced protection against die scratches, package stresses, surface ESD/EOS events and radiation.

Numerous ADI products have always had a polyimide passivation layer on top of their die. These products have proven highly reliable through numerous qualifications and many years of field application.

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

Changes to the device will not impact fit, function, quality or reliability.

### Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Results Summary.

### Supporting Documents

**Attachment 1: Type:** Qualification Results Summary

ADI\_PCN\_15\_0165\_Rev\_-\_ADuM744x\_Qual\_Results\_Summary.pdf

**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 (12) |                             |                             |                             |                             |
| ADUM7440 / ADUM7440ARQZ                                           | ADUM7440 / ADUM7440ARQZ-RL7 | ADUM7440 / ADUM7440CRQZ     | ADUM7440 / ADUM7440CRQZ-RL7 | ADUM7441 / ADUM7441ARQZ     |
| ADUM7441 / ADUM7441ARQZ-RL7                                       | ADUM7441 / ADUM7441CRQZ     | ADUM7441 / ADUM7441CRQZ-RL7 | ADUM7442 / ADUM7442ARQZ     | ADUM7442 / ADUM7442ARQZ-RL7 |
| ADUM7442 / ADUM7442CRQZ                                           | ADUM7442 / ADUM7442CRQZ-RL7 |                             |                             |                             |

| Appendix B - Revision History |              |                  |                 |
|-------------------------------|--------------|------------------|-----------------|
| Rev                           | Publish Date | Effectivity Date | Rev Description |
| Rev. -                        | 19-Aug-2015  | 17-Nov-2015      | Initial Release |
|                               |              |                  |                 |

Analog Devices, Inc.

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