



## Product/Process Change Notice - PCN 17\_0004 Rev. -

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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:** ADuM1280/ADuM1281/ADuM1285/ADuM1286 Die Revision, and Data Sheet Change

**Publication Date:** 13-Jun-2017

**Effectivity Date:** 11-Sep-2017 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

#### Die Revision:

- 1) Additional layer of polyimide passivation over non-coil die.
- 2) Increased look-ahead delay in coil driver circuitry.

#### Data Sheet Change:

- 1) Increased maximum propagation delay specification on C grade models (ADuM128xWCRZ). Specific changes outlined in attachment below.
- 2) Increased minimum operating voltage from 3.0V to 3.135V. Changed 3.3V Power Supply tolerance from +10%/-10% to +10%/-5%.

### Reason For Change

#### Die Revision:

- 1) Polyimide offers the following advantages: enhanced protection against die scratches, package stresses, surface ESD/EOS events.
- 2) Increase manufacturability to ensure continuity of supply.

#### Data Sheet Change:

- 1) Increase in look-ahead delay increased overall propagation delay through signal path.
- 2) Increase manufacturability to ensure continuity of supply.

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

No change to fit, form, or reliability.

### Summary of Supporting Information

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary. Data Sheet changes will be reflected in Rev D. See attached data sheet specification comparison for propagation delay revision details.

### Supporting Documents

**Attachment 1: Type:** Datasheet Specification Comparison

ADI\_PCN\_17\_0004\_Rev\_-\_ADuM128x\_Propagation\_Delay\_Comparison.pdf

**Attachment 2: Type:** Qualification Results Summary

**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](mailto:PCN_Americas@analog.com)

**Europe:** [PCN\\_Europe@analog.com](mailto:PCN_Europe@analog.com)

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**Rest of Asia:** [PCN\\_ROA@analog.com](mailto:PCN_ROA@analog.com)

**Appendix A - Affected ADI Models****Added Parts On This Revision - Product Family / Model Number (24)**

ADUM1280 / ADUM1280ARZ	ADUM1280 / ADUM1280ARZ-RL7	ADUM1280 / ADUM1280BRZ	ADUM1280 / ADUM1280BRZ-RL7	ADUM1280 / ADUM1280CRZ
ADUM1280 / ADUM1280CRZ-RL7	ADUM1281 / ADUM1281ARZ	ADUM1281 / ADUM1281ARZ-RL7	ADUM1281 / ADUM1281BRZ	ADUM1281 / ADUM1281BRZ-RL7
ADUM1281 / ADUM1281CRZ	ADUM1281 / ADUM1281CRZ-RL7	ADUM1285 / ADUM1285ARZ	ADUM1285 / ADUM1285ARZ-RL7	ADUM1285 / ADUM1285BRZ
ADUM1285 / ADUM1285BRZ-RL7	ADUM1285 / ADUM1285CRZ	ADUM1285 / ADUM1285CRZ-RL7	ADUM1286 / ADUM1286ARZ	ADUM1286 / ADUM1286ARZ-RL7
ADUM1286 / ADUM1286BRZ	ADUM1286 / ADUM1286BRZ-RL7	ADUM1286 / ADUM1286CRZ	ADUM1286 / ADUM1286CRZ-RL7	

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	13-Jun-2017	11-Sep-2017	Initial Release

Analog Devices, Inc.

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