



## Product/Process Change Notice - PCN 14\_0193 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:** ADUM3200 Die Revision and Data Sheet Changes  
**Publication Date:** 06-Oct-2014  
**Effectivity Date:** 04-Jan-2015 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

Design Changes (Both Die):

1. Increased pulse width of edge pulses and refresh pulses.
2. Increased separation between consecutive pulses on rising edge and refresh high pulses.

Data sheet changes are as follows:

1. Minimum operating voltage increased from 2.7V to 3.0V.
2. Typical 3V voltage increased from 3.0V to 3.3V.

For the list of IDD typical and maximum limit changes, see data sheet specification comparison attachment.

### Reason For Change

Design Changes:

1. Ensure receiver can reliably detect all edge pulses and all refresh pulses.
2. Ensure 2nd pulse on rising edge or refresh high is consistently detected by receiver.

Data sheet changes:

1. Increase in size of existing capacitors in receiver block caused increase in Idd-Dynamic current.

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

No change to fit, form, or reliability. Improved functionality.

### Summary of Supporting Information

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

### Supporting Documents

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

ADI\_PCN\_14\_0193\_Rev\_-\_ADuM320x Die Rev Qual Summary.pdf

**Attachment 2: Type:** Datasheet Specification Comparison

**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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**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (6)**

ADUM3200 / ADuM3200ARZ	ADUM3200 / ADuM3200ARZ-RL7	ADUM3200 / ADuM3200BRZ	ADUM3200 / ADuM3200BRZ-RL7	ADUM3200 / ADuM3200CRZ
ADUM3200 / ADuM3200CRZ-RL7				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	06-Oct-2014	04-Jan-2015	Initial Release

Analog Devices, Inc.

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