



## Product/Process Change Notice - PCN 14\_0059 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 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:** ADUM3210 Die Revision and Datasheet Change  
**Publication Date:** 05-Mar-2014  
**Effectivity Date:** 03-Jun-2014 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

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

Datasheet changes as follows:

1. Increase of 0.2mA in Idd Max @ 10Mbps for the 5.0V/5.0V, 3.3V/3.3V and 5.0/3.3V configurations

### Reason For Change

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

Datasheet 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 Report Summary

ADI\_PCN\_14\_0059\_Rev\_-\_ADuM3210 R2 Qualification.doc

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

<b>Americas:</b>	PCN_Americas@analog.com	<b>Europe:</b>	PCN_Europe@analog.com	<b>Japan:</b>	PCN_Japan@analog.com
				<b>Rest of Asia:</b>	PCN_ROA@analog.com

**Appendix A - Affected ADI Models**

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

ADUM3210 / ADUM3210ARZ	ADUM3210 / ADUM3210ARZ-RL7	ADUM3210 / ADUM3210BRZ	ADUM3210 / ADUM3210BRZ-RL7	ADUM3210 / ADUM3210TRZ
ADUM3210 / ADUM3210TRZ-RL7				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	05-Mar-2014	03-Jun-2014	Initial Release

Analog Devices, Inc.

DocId:2802 Parent DocId:2670 Layout Rev:7