



## Product/Process Change Notice - PCN 15\_0190 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:** ADuM2210/ADuM2211 Die Revision and Data Sheet Change

**Publication Date:** 06-Oct-2015

**Effectivity Date:** 04-Jan-2016 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

#### Die Changes:

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:

1. Increased Idd-Dynamic current specifications. See data sheet specification comparison attachment for resulting values.
2. Changed Voh/Vol test conditions from Iox=4mA/4mA to Iox=3.2mA/3.2mA.

### Reason For Change

#### Die 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.
2. Express Voh/Vol levels with a load equal to the current required to drive two standard TTL gates.

### 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\_15\_0190\_Rev\_-\_ADuM221x\_SOIC\_W\_Qual\_Results\_Summary.pdf

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

ADI\_PCN\_15\_0190\_Rev\_-\_ADuM221x\_SOIC\_IC\_Qual\_Results\_Summary.pdf

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**Attachment 3: Type:** Datasheet Specification Comparison

ADI\_PCN\_15\_0190\_Rev\_-\_ADUM2210\_R2 IDD Data Sheet Comparison.pdf

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**Attachment 4: Type:** Datasheet Specification Comparison

ADI\_PCN\_15\_0190\_Rev\_-\_ADUM2211\_R2 IDD Data Sheet Comparison.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 (16)**

ADUM2210 / ADUM2210SRIZ	ADUM2210 / ADUM2210SRIZ-RL	ADUM2210 / ADUM2210SRWZ	ADUM2210 / ADUM2210SRWZ-RL	ADUM2210 / ADUM2210TRIZ
ADUM2210 / ADUM2210TRIZ-RL	ADUM2210 / ADUM2210TRWZ	ADUM2210 / ADUM2210TRWZ-RL	ADUM2211 / ADUM2211SRIZ	ADUM2211 / ADUM2211SRIZ-RL
ADUM2211 / ADUM2211SRWZ	ADUM2211 / ADUM2211SRWZ-RL	ADUM2211 / ADUM2211TRIZ	ADUM2211 / ADUM2211TRIZ-RL	ADUM2211 / ADUM2211TRWZ
ADUM2211 / ADUM2211TRWZ-RL				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	06-Oct-2015	04-Jan-2016	Initial Release

Analog Devices, Inc.

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