



## Product/Process Change Notice - PCN 14\_0209 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:** ADUM1300/01 Die Revision

**Publication Date:** 21-Jan-2015

**Effectivity Date:** 21-Apr-2015 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

Design Changes:

1. Increased pulse width of disable signal for refresh block. Increased separation between falling edge of disable signal for refresh block and first refresh high pulse. Increased separation between consecutive pulses on rising edge and refresh high pulses.
2. Reduced the internal propagation delay time of receiver circuitry.

### Reason For Change

1. Ensure the driver can reliably send out the refresh pulses. Ensure the receiver can reliably detect all edge pulses and refresh pulses.
2. Maintain the same total device propagation delay time as the original version.

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

No change to fit, form, or reliability.  
No change to the data sheet.  
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\_0209\_Rev\_-\_ADuM130x Die Rev Qualification 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 (21)**

ADUM1300 / ADUM1300ARW	ADUM1300 / ADUM1300ARW-RL	ADUM1300 / ADUM1300ARWZ	ADUM1300 / ADUM1300ARWZ-RL	ADUM1300 / ADUM1300BRWZ
ADUM1300 / ADUM1300BRWZ-RL	ADUM1300 / ADUM1300CRW	ADUM1300 / ADUM1300CRW-RL	ADUM1300 / ADUM1300CRWZ	ADUM1300 / ADUM1300CRWZ-RL
ADUM1301 / ADUM1301ARW	ADUM1301 / ADUM1301ARW-RL	ADUM1301 / ADUM1301ARWZ	ADUM1301 / ADUM1301ARWZ-RL	ADUM1301 / ADUM1301BRW
ADUM1301 / ADUM1301BRW-RL	ADUM1301 / ADUM1301BRWZ	ADUM1301 / ADUM1301BRWZ-RL	ADUM1301 / ADUM1301CRW	ADUM1301 / ADUM1301CRWZ
ADUM1301 / ADUM1301CRWZ-RL				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	21-Jan-2015	21-Apr-2015	Initial Release

Analog Devices, Inc.

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