



## Product/Process Change Notice - PCN 13\_0310 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:** ADUM3223 Die Revision

**Publication Date:** 03-Dec-2013

**Effectivity Date:** 03-Mar-2014 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

1. Add delay to input glitch filter resulting in 5ns increase in propagation delay specifications, tDLH and tDHL
2. Modify thermal shutdown (TSD) to allow device startup at junction temperatures where  $TSD- < T_j < TSD+$
3. Add AC coupled demodulator to data transmission path
4. Improve noise immunity to 10V/us on startup

### Reason For Change

1. Eliminate potential output glitch at low voltage and high temperature when refresh collides with input edge
2. TSD circuit would not allow device startup when  $TSD- < T_j < TSD+$
3. Improv common-mode transient immunity (CMTI)
4. Eliminat potential output glitch at startup

### 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 AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Qualification Report Summary.

### Supporting Documents

**Attachment 1: Type:** Qualification Report Summary

ADI\_PCN\_13\_0310\_Rev\_-\_ADuM3223W Qual Summary.doc

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

**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 (12)**

ADUM3223 / ADUM3223ARZ	ADUM3223 / ADUM3223ARZ-RL7	ADUM3223 / ADUM3223BRZ	ADUM3223 / ADUM3223BRZ-RL7	ADUM3223 / ADUM3223CRZ
ADUM3223 / ADUM3223CRZ-RL7	ADUM3223 / ADUM3223WARZ	ADUM3223 / ADUM3223WARZ-RL7	ADUM3223 / ADUM3223WBRZ	ADUM3223 / ADUM3223WBRZ-RL7
ADUM3223 / ADUM3223WCRZ	ADUM3223 / ADUM3223WCRZ-RL7			

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	03-Dec-2013	03-Mar-2014	Initial Release

Analog Devices, Inc.

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