



Product/Process Change Notice - PCN 13_0310 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: 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

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	03-Dec-2013	03-Mar-2014	Initial Release

Analog Devices, Inc.

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