



Product/Process Change Notice - PCN 13_0312 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: ADUM4223 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:

ADUM4223 Die Revision

Description Of Change

1. Added 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. Added 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. Improve common-mode transient immunity (CMTI)
4. Eliminate 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 ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Report Summary.

Supporting Documents

Attachment 1: Type: Qualification Report Summary

ADI_PCN_13_0312_Rev_-_ADuM4223 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 (6)

ADUM4223 / ADUM4223ARWZ	ADUM4223 / ADUM4223ARWZ-RL	ADUM4223 / ADUM4223BRWZ	ADUM4223 / ADUM4223BRWZ-RL	ADUM4223 / ADUM4223CRWZ
ADUM4223 / ADUM4223CRWZ-RL				

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	03-Dec-2013	03-Mar-2014	ADUM4223 Die Revision

Analog Devices, Inc.

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