Product/Process Change Notice - PCN 15_0204 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: ADuM3210W/ADuM3211W Die Revision and Data Sheet Change

Publication Date: 09-Nov-2015

Effectivity Date: 07-Feb-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.
3. Additional layer of polyimide passivation on top of the non-coil die.

Data Sheet Changes:
1. Increased Idd-Dynamic current specifications at 10Mbps and 25Mbps operating conditions. 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.
3. Polyimide offers the following advantages: improved ESD robustness, enhanced protection against die scratches, package stresses, surface ESD/EOS events and radiation.

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

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_15_0204_Rev_-_ADuM321xW_Qualification_Results_Summary.pdf

Attachment 2: Type: Datasheet Specification Comparison

ADI_PCN_15_0204_Rev_-_ADUM3210W_IDD_Specification_Comparison.pdf

Attachment 3: Type: Datasheet Specification Comparison

ADI_PCN_15_0204_Rev_-_ADUM3211W_IDD_Specification_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 (12)				
ADUM3210 / ADUM3210WARZ	ADUM3210 / ADUM3210WARZ-RL7	ADUM3210 / ADUM3210WBRZ	ADUM3210 / ADUM3210WBRZ-RL7	ADUM3210 / ADUM3210WCRZ
ADUM3210 / ADUM3210WCRZ-RL7	ADUM3211 / ADUM3211WARZ	ADUM3211 / ADUM3211WARZ-RL7	ADUM3211 / ADUM3211WBRZ	ADUM3211 / ADUM3211WBRZ-RL7
ADUM3211 / ADUM3211WCRZ	ADUM3211 / ADUM3211WCRZ-RL7			

Appendix B - Revision History			
Rev	**Publish Date**	**Effectivity Date**	**Rev Description**
Rev. -	09-Nov-2015	07-Feb-2016	Initial Release

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