



Product/Process Change Notice - PCN 19_0011 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 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: ADuM5210/ADuM5211/ADuM5212 Die Revision and Data Sheet Change

Publication Date: 18-Jul-2019

Effectivity Date: 20-Oct-2019 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release.

Description Of Change:

Die Revision:

- 1) Additional layer of polyimide passivation over non-coil die.
- 2) Increased look-ahead delay in coil driver circuitry.

Data Sheet Change:

- 1) Increased maximum propagation delay specification on C grade models(ADuM521xCRSZ). Specific changes outlined in attachment below.
- 2) Increased minimum operating voltage from 3.0V to 3.135V. Changed 3.3V Power Supply tolerance from +10%/-10% to +10%/-5%.
- 3) Added minimum and maximum limits to VISO setpoint specifications. Specific changes outlined in attachment below.

Reason For Change:

Die Revision:

- 1) Polyimide offers the following advantages: enhanced protection against die scratches, package stresses, surface ESD/EOS events.
- 2) Increase manufacturability to ensure continuity of supply.

Data Sheet Change:

- 1) Increase in look-ahead delay increased overall propagation delay through signal path.
- 2) Increase manufacturability to ensure continuity of supply.
- 3) Provide additional performance information for customer clarity.

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

No change to fit, form, or reliability. Improved robustness.

Product Identification *(this section will describe how to identify the changed material)*

Cut-Over Date Code provided upon request.

Summary of Supporting Information:

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary.

Data Sheet changes will be reflected in Rev D. See attached data sheet specification comparison for propagation delay and VISO setpoint revision details.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_19_0011_Rev_-_ADuM521x_Qualification_Results_Summary.pdf

Attachment 2: Type: Datasheet Specification Comparison

ADI_PCN_19_0011_Rev_-_ADuM521x_Data_Sheet_Limit_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 (20)**

ADUM5210 / ADUM5210ARSZ	ADUM5210 / ADUM5210ARSZ-RL7	ADUM5210 / ADUM5210BRSZ	ADUM5210 / ADUM5210BRSZ-RL7	ADUM5210 / ADUM5210CRSZ
ADUM5210 / ADUM5210CRSZ-RL7	ADUM5211 / AD71211ARSZ	ADUM5211 / AD71211ARSZ-RL7	ADUM5211 / ADUM5211ARSZ	ADUM5211 / ADUM5211ARSZ-RL7
ADUM5211 / ADUM5211BRSZ	ADUM5211 / ADUM5211BRSZ-RL7	ADUM5211 / ADUM5211CRSZ	ADUM5211 / ADUM5211CRSZ-RL7	ADUM5212 / ADUM5212ARSZ
ADUM5212 / ADUM5212ARSZ-RL7	ADUM5212 / ADUM5212BRSZ	ADUM5212 / ADUM5212BRSZ-RL7	ADUM5212 / ADUM5212CRSZ	ADUM5212 / ADUM5212CRSZ-RL7

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	18-Jul-2019	20-Oct-2019	Initial Release.

Analog Devices, Inc.

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