



Product/Process Change Notice - PCN 12_0027 Rev. A

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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.

Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

PCN Title: AD5235 and ADN2850 Metal Edit Resulting in Datasheet Specification Changes

Publication Date: 03-Feb-2012

Effectivity Date: 03-May-2012 (the earliest date that a customer could expect to receive changed material)

Revision Description:

PCN updated to reflect improved Idd and Iss Specifications

Description Of Change

The AD5235 and ADN2850 have undergone a minor metal mask edit resulting in the following data sheet changes:

Idd specification:

From: 2 uA (typ) 5uA (max) at $V_{IH} = V_{DD}$ or $V_{IL} = GND$, and 0.2 mA (typ) 1mA (max) if RDY and/or SDO floating

To: 2uA (typ) 5uA (max) in all cases

Iss specifications:

From: -2 uA (typ) -4uA (min) at $V_{IH} = V_{DD}$ or $V_{IL} = GND$, and 0.2 mA (typ) 1mA (max) if RDY and/or SDO floating

To: -2uA (typ) -4uA (min) in all cases

Reason For Change

This metal edit will address an issue whereby Idd and Iss are higher if RDY and/or SDO are floating

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

This change will result in an improvement in functionality. There will be no impact on fit, form or reliability.

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

All AD5235 and ADN2850 product with a date-code of 1209 or greater will contain this metal edit.

Summary of Supporting Information

Samples of the new silicon have been bench-tested to confirm the metal fix.

Comments

The above specification changes will be reflected in Rev. F of AD5235 and Rev. E of ADN2850 datasheets which will be posted on the ADI website in April 2012.

Supporting Documents None

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

Appendix A - Affected ADI Models**Existing Parts - Product Family / Model Number (11)**

AD5235 / AD5235BRU25-EP-RL7	AD5235 / AD5235BRUZ25	AD5235 / AD5235BRUZ25-RL7	AD5235 / AD5235BRUZ250	AD5235 / AD5235BRUZ250-R7
ADN2850 / ADN2850BCPZ25	ADN2850 / ADN2850BCPZ25-RL7	ADN2850 / ADN2850BCPZ250	ADN2850 / ADN2850BCPZ250-RL7	ADN2850 / ADN2850BRUZ25
ADN2850 / ADN2850BRUZ25-RL7				

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	30-Jan-2012	Initial Release
Rev. A	03-Feb-2012	PCN updated to reflect improved Idd and Iss Specifications

Analog Devices, Inc.

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