



Product/Process Change Notice - PCN 15_0216 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: ADP5300,ADP5301,ADP5302,ADP5303,ADP5304 Die Revision
Publication Date: 04-Dec-2015
Effectivity Date: 03-Mar-2016 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Change the metal and revise the logic circuit to solve the internal PWM reference settling issue during the mode transition.

Reason For Change

During the operation mode transition from hysteresis mode to PWM mode, the output voltage drops and impact the system power. The reason of this issue is the internal PWM reference cannot be settled when the transition generates a narrow pulse triggering the internal logic circuit. The reason for the change is to improve the product robustness.

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

it's a function revision and there is no any impact on the specification.

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

15xx depend on the exact date for new material build. will update later

Summary of Supporting Information

Qualification will be performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Plan.

Supporting Documents None

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 (15)

ADP5300 / ADP5300ACPZ-1-R7	ADP5300 / ADP5300ACPZ-2-R7	ADP5300 / ADP5300ACPZ-3-R7	ADP5301 / ADP5301ACBZ-1-R7	ADP5301 / ADP5301ACBZ-2-R7
ADP5301 / ADP5301ACBZ-3-R7	ADP5302 / ADP5302ACPZ-1-R7	ADP5302 / ADP5302ACPZ-2-R7	ADP5302 / ADP5302ACPZ-3-R7	ADP5303 / ADP5303ACBZ-1-R7
ADP5303 / ADP5303ACBZ-2-R7	ADP5303 / ADP5303ACBZ-3-R7	ADP5304 / ADP5304ACPZ-1-R7	ADP5304 / ADP5304ACPZ-2-R7	ADP5304 / ADP5304ACPZ-3-R7

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	04-Dec-2015	03-Mar-2016	Initial Release

Analog Devices, Inc.

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