



Product/Process Change Notice - PCN 18_0019 Rev. A

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.

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

PCN Title: Revision to Thickness of Polyimide and Redistribution Layers for ADN8833 and ADN8834 in WLCSP

Publication Date: 30-May-2018

Effectivity Date: 14-Mar-2018 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Updated Qualification Plan to include gating stresses.

Description Of Change:

ADN8833 and ADN8834 (WLCSP) will have new material which will have thicker polyimide/repassivation and thicker redistribution layers.

- Polyimide/repassivation layers 1 and 2 will increase in thickness from 5 microns and 5 microns to 7.5 microns and 8.3 microns respectively.
- Redistribution layer thickness is increasing from 3 microns to 5 microns.

Reason For Change:

The thicker polyimide/repassivation and redistribution layers lower the internal stress on the part thereby enhancing the overall reliability of the part.

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

The device quality, performance, and function as specified by the data sheets will be unaffected by this change. The reliability of the device will be enhanced.

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

All products with this change will be from date code 1804 forward.

Summary of Supporting Information:

Qualification is being performed per Industry Standard Test Methods. See attached Qualification Plan Summary.

Supporting Documents

Attachment 1: Type: Qualification Plan

ADI_PCN_18_0019_Rev_A_QualPlan ADN8833 ADN8834_Rev2.docx

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

Existing Parts - Product Family / Model Number (2)

ADN8833 / ADN8833ACBZ-R7

ADN8834 / ADN8834ACBZ-R7

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	13-Feb-2018	14-Mar-2018	Initial Release.
Rev. A	30-May-2018	14-Mar-2018	Updated Qualification Plan to include gating stresses.

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