



## 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**

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

Analog Devices, Inc.

DocId:4407 Parent DocId:None Layout Rev:7