



Product/Process Change Notice - PCN 11_0256 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 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.

PCN Title: Polyimide Thickness Change for AD158x Series

Publication Date: 21-Nov-2011

Effectivity Date: 19-Feb-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

The current polyimide thickness for the AD158x series of products, is being increased from 5um to 20um. The AD1583 is being converted first. Other products in the AD158x series will change at a later date and the PCN will be revised accordingly.

Reason For Change

Output voltage can drift due to package stress after board level assembly. The 20um thick Polyimide, provides an increased stress relief to the die, leading to a more predictable performance and delivery.

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

This is a positive improvement to the output initial accuracy and temperature performance. Fit, form, function and reliability remain unaffected.

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

There will be no part marking changes. Date Code and lot tracing will be used to track the change, and the PCN will be updated to reflect implementation dates.

Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Report Summary.

Comments

A temperature product analysis was generated by ADI to confirm performance to specification for the AD1583.

Supporting Documents

Attachment 1: Type: Qualification Report Summary

ADI_PCN_11_0256_Rev_-_Polyimide Qual Summary.pdf

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

Rest of Asia: PCN_ROA@analog.com

Appendix A - Affected ADI Models**Added Parts On This Revision - Product Family / Model Number (7)**

AD1583 / AD15830001RTR	AD1583 / AD15830001RTZR7	AD1583 / AD1583ART-REEL7	AD1583 / AD1583ARTZ-R2	AD1583 / AD1583ARTZ-REEL7
AD1583 / AD1583BRT-REEL7	AD1583 / AD1583BRTZ-REEL7			

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	21-Nov-2011	Initial Release

Analog Devices, Inc.

DocId:1718 Parent DocId:None Layout Rev:6