



Product/Process Change Notice - PCN 11_0123 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: AD590 Mask Revision

Publication Date: 14-Jun-2011

Effectivity Date: 12-Sep-2011 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

The layout of one resistor was modified to optimize the AD590 performance to the wafer fab process. Only the resistor and metal mask were changed. No schematic design changes were made to the device.

Reason For Change

As part of ADI's ongoing Continuous Improvement Program, ADI is implementing the change to improve the manufacturability of the AD590, which will result in more predictable delivery to our customers.

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

This change will have no impact on the electrical performance, form, fit, or function of the device.

Summary of Supporting Information

Full wafer level test and final package test Cpk analysis was performed and all parameters were the same or better than current production material. In addition, qualification will be performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Plan.

Supporting Documents

Attachment 1: Type: Qualification Plan Summary

ADI_PCN_11_0123_Rev_-_Qual_Plan.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 (28)

AD590 / 5962-8757101XA	AD590 / 5962-8757101YA	AD590 / 5962-8757102XA	AD590 / 5962-8757102YA	AD590 / 5962-8757103XA	AD590 / 5962-8757103YA
AD590 / 5962-8757104XA	AD590 / 5962-8757104YA	AD590 / AD40914	AD590 / AD41351	AD590 / AD41534	AD590 / AD590JCHIPS
AD590 / AD590JF	AD590 / AD590JF/883B	AD590 / AD590JH	AD590 / AD590JH/883B	AD590 / AD590KF	AD590 / AD590KF/883B
AD590 / AD590KH	AD590 / AD590KH/883B	AD590 / AD590LF	AD590 / AD590LF/883B	AD590 / AD590LH	AD590 / AD590LH/883B

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	14-Jun-2011	Initial Release

Analog Devices, Inc.

DocId:1557 Parent DocId:None Layout Rev:4