



## Product/Process Change Notice - PCN 12\_0004 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:** AD571/AD570 Conversion from 100mm Bipolar Process to 150mm Bipolar process

**Publication Date:** 26-Apr-2012

**Effectivity Date:** 25-Jul-2012 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

Wafer fabrication change from 100mm Bipolar process to the 150mm Bipolar process at Analog Devices Wilmington MA. The digital logic circuit has been redesigned for improved compatibility with the 150mm process.

This will result in the following data sheet specification changes:

1. Change in +5V I Supply spec from 10mA to 15mA
2. Change in Full-Scale Calibration Drift (Temperature Coefficient) spec from +/-5LSB to +/-8LSB for the AD571 S grade only

### Reason For Change

The 100mm production process is no longer available. This change is required to allow production wafer fabrication for this product and will ensure continuity of supply to our customers.

The datasheet change is to accurately reflect device capabilities and improve manufacturability.

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

Except for the design and specification changes detailed above, this change will have no impact to the device's fit, form, function and reliability.

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

Date Code cutover will be advised once available.

The new specification values will be documented in Rev. B of the AD571/AD570 data sheet.

### Summary of Supporting Information

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

### Supporting Documents

**Attachment 1: Type:** Qualification Report Summary

ADI\_PCN\_12\_0004\_Rev\_-\_Qual\_Result.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 (8)**

AD570 / 5962-8680201VA	AD570 / AD570JD	AD570 / AD570SD	AD570 / AD570SD/883B	AD571 / 5962-8680202VA
AD571 / AD571JD	AD571 / AD571SD	AD571 / AD571SD/883B		

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Rev Description</b>
Rev. -	26-Apr-2012	Initial Release

Analog Devices, Inc.

DocId:1810 Parent DocId:718 Layout Rev:6