



Product/Process Change Notice - PCN 12_0142 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: AD669 Improved ESD Performance
Publication Date: 11-Jul-2012
Effectivity Date: 09-Oct-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

A change was made to the internal ESD structure on the digital input pin DB7, pin 15 to enhance its robustness. This involved a slight modification to the size of the poly resistor within the ESD structure resulting in an ESD improvement from 2kV to 2.5kV.

Reason For Change

To enhance the ESD robustness and performance.

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

There will be no impact on the form, fit, function of the material. Improved ESD performance will improve reliability.

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

The change over date code will be advised at a future revision of this PCN.

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_0142_Rev_-_AD669 QUALIFICATION RESULTS.docx

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 (17)

| | | | | |
|------------------|-----------------------|------------------|------------------|----------------------|
| AD669 / AD43059Z | AD669 / AD669AN | AD669 / AD669ANZ | AD669 / AD669AR | AD669 / AD669AR-REEL |
| AD669 / AD669ARZ | AD669 / AD669ARZ-REEL | AD669 / AD669BN | AD669 / AD669BNZ | AD669 / AD669BR |

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|----------------------|------------------|-----------------------|-----------------|----------------------|
| AD669 / AD669BR-REEL | AD669 / AD669BRZ | AD669 / AD669BRZ-REEL | AD669 / AD669SQ | AD669 / AD669SQ/883B |
| AD669 / AD71005 | AD669 / AD71006 | | | |

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|--------|--------------|------------------|-----------------|
| Rev. - | 11-Jul-2012 | 09-Oct-2012 | Initial Release |

Analog Devices, Inc.

DocId:2003 Parent DocId:None Layout Rev.7