



Product/Process Change Notice - PCN 09_0131 Rev. -

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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 receiving this notification. The information contained within this PCN is considered proprietary and should not be shared outside of your company. ADI contact information is listed below.

Revision Description*:

Initial Release

PCN Title: Replacement of Microsemi diode (6.4V Zener)with an equivalent assembly for the 1B22 and 1B41 models and derivatives.

Publication Date: 06-Jul-2009

Samples Available Date: not applicable

Effectivity Date: 14-Sep-2009 *(the earliest date that a customer could expect to receive changed material)*

Description Of Change

Custom 6.4V zener diode from Microsemi will be replaced by an equivalent PCB assembly alternative device which utilizes ADI components, namely the AD1580BKSZ and the ADR550BKSZ. Both the standard part and the alternative PCB device are surface mount components and have the same attachment foot print. Resistor value changes to R22 (1B22) from 28K ohms to 24.3K ohms and R12 (1B41) from 15.4K ohms to 15.0K ohms are necessary to achieve duplicate electrical performance.

Reason For Change

Increased raw material availability.

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

There will be no change to the product fit, form, electrical performance or product reliability.

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

Earliest possible date code is 0938.

Summary of Supporting Information

Representative samples from the 1B21 family will be used as the qualification vehicle per the attached qualification plan.

Supporting Documents

Attachment 1: ADI_PCN_09_0131_Rev_-_Zener Diode Assy Evaln 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 Parts - Generic Number / Material Number (3)

1B22 / 1B22AN

1B41 / 1B41AN

1B41 / 1B41BN

Appendix B - Revision History

Rev	Publish Date	Rev Description
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Analog Devices, Inc. Proprietary Information

DocId:774 Parent DocId:759