



Product/Process Change Notice - PCN 13_0220 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: ADXRS646/ADXRS646-EP Die Revision and Datasheet Update
Publication Date: 17-Oct-2013
Effectivity Date: 15-Jan-2014 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Minor metal mask edits are being made to the ADXRS642/649 die.
Layout modifications involving metal re-routing, gain switch removal and trim range increase.

The datasheet update is to clarify actual product performance and is not a result of the die revision.

Sensitivity limit change:

From: 8.5mv/deg/sec to 9.5 mv/deg/sec

To: 7.5mv/deg/sec to 10.5 mv/deg/sec

All other datasheet specifications remain unchanged.

Reason For Change

Die revision:
Improved start up performance, ESD performance and device manufacturability.

Datasheet:
Datasheet change to accommodate for consistent performance.

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

These changes will improve ESD performance. There is no negative impact to fit, form, function & reliability.

Summary of Supporting Information

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

The datasheet update will be reflected in Revision B of the ADXRS646 datasheet and Revision A of the ADXRS646-EP datasheet.

Supporting Documents

Attachment 1: Type: Qualification Report Summary

ADI_PCN_13_0220_Rev_-_ADXRS64X Qual Summary.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 (4)

ADXRS646 / ADXRS646BBGZ	ADXRS646 / ADXRS646BBGZ-RL	ADXRS646 / ADXRS646TBGZ-EP	ADXRS646 / ADXRS646TBGZ-EP-RL	
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Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	17-Oct-2013	15-Jan-2014	Initial Release

Analog Devices, Inc.

DocId:2547 Parent DocId:None Layout Rev:7