



Product/Process Change Notice - PCN 11_0188 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: ADuM640x Die and Data Sheet Revision

Publication Date: 16-Nov-2011

Effectivity Date: 14-Feb-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Die revision and increased insulation (dielectric) thickness.

Data sheet changes as follows:

Changed maximum current from 500 mA to 400 mA.

IEC 60747-5-2 certification for basic insulation replaces VDE 0884-10.

Fixed typographic error for Creepage (changed from > 8 mm to > 7.6 mm).

Fixed typographic error for Clearance (changed from > 7.6 mm to > 8 mm).

Removed "Pending" from UL certification.

Reason For Change

Die change to modify design to improve start-up.

Polyimide insulation (dielectric) increased from 20um to 32um to improve manufacturability.

Data sheet updated to reflect current capability and typographic errors.

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

No change to form or fit. Start-up behavior improved.

Summary of Supporting Information

Qualification will be performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Plan Summary.

Supporting Documents

Attachment 1: Type: Qualification Plan Summary

ADI_PCN_11_0188_Rev_-_ADuM640x Die Revision Qualification 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 (20)**

ADUM6400 / ADUM6400ARVZ	ADUM6400 / ADUM6400ARVZ-RL	ADUM6400 / ADUM6400CRVZ	ADUM6400 / ADUM6400CRVZ-RL	ADUM6401 / ADUM6401ARVZ
ADUM6401 / ADUM6401ARVZ-RL	ADUM6401 / ADUM6401CRVZ	ADUM6401 / ADUM6401CRVZ-RL	ADUM6402 / ADUM6402ARVZ	ADUM6402 / ADUM6402ARVZ-RL
ADUM6402 / ADUM6402CRVZ	ADUM6402 / ADUM6402CRVZ-RL	ADUM6403 / ADUM6403ARVZ	ADUM6403 / ADUM6403ARVZ-RL	ADUM6403 / ADUM6403CRVZ
ADUM6403 / ADUM6403CRVZ-RL	ADUM6404 / ADUM6404ARVZ	ADUM6404 / ADUM6404ARVZ-RL	ADUM6404 / ADUM6404CRVZ	ADUM6404 / ADUM6404CRVZ-RL

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	16-Nov-2011	Initial Release

Analog Devices, Inc.

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