



Product/Process Change Notice - PCN 10_0245 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 publication date. ADI contact information is listed below.

PCN Title: ADuM520x / ADuM540x Die and Data Sheet Revisions

Publication Date: 17-Mar-2011

Effectivity Date: 15-Jun-2011 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Die and data sheet revision to remove restrictions on load and start-up slew rate. Data sheet changes are as follows:

IEC 60747-5-2 certification for basic insulation replaces VDE 0884-10.
Added support for 5V-to-3.3V regulation, including supporting tables and graphs.
Removed "pending" from CSA certification and changed to latest edition (second) of IEC 60950-1.
Replaced CSA IEC 60950-1 400 Vrms reinforced insulation with 600 V rms basic and 250 V rms reinforced.
Reduced minimum external tracking (creepage) distance from 8 mm to 7.6 mm.
Removed requirements for minimum load.
Added text and graphs to explain start-up operation for information purposes only.

Reason For Change

The isolated output supply voltage did not always regulate to the specified value under certain load conditions and slew rates.

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

No change to fit, form, or reliability. Positive change to start-up functionality (removed slew rate restrictions).

Summary of Supporting Information

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

Supporting Documents

Attachment 1: Type: Reliability Report

ADI_PCN_10_0245_Rev_-_Rel_Report_8551 ADuM520x rev.pdf

Attachment 2: Type: Reliability Report

ADI_PCN_10_0245_Rev_-_Rel_Report_9023 ADuM5400 rev.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 (32)

ADUM5200 / ADUM5200ARWZ	ADUM5200 / ADUM5200ARWZ-RL	ADUM5200 / ADUM5200CRWZ	ADUM5200 / ADUM5200CRWZ-RL	ADUM5201 / ADUM5201ARWZ	ADUM5201 / ADUM5201ARWZ-RL
ADUM5201 / ADUM5201CRWZ	ADUM5201 / ADUM5201CRWZ-RL	ADUM5202 / ADUM5202ARWZ	ADUM5202 / ADUM5202ARWZ-RL	ADUM5202 / ADUM5202CRWZ	ADUM5202 / ADUM5202CRWZ-RL
ADUM5400 / ADUM5400ARWZ	ADUM5400 / ADUM5400ARWZ-RL	ADUM5400 / ADUM5400CRWZ	ADUM5400 / ADUM5400CRWZ-RL	ADUM5401 / ADUM5401ARWZ	ADUM5401 / ADUM5401ARWZ-RL
ADUM5401 / ADUM5401CRWZ	ADUM5401 / ADUM5401CRWZ-RL	ADUM5402 / ADUM5402ARWZ	ADUM5402 / ADUM5402ARWZ-RL	ADUM5402 / ADUM5402CRWZ	ADUM5402 / ADUM5402CRWZ-RL
ADUM5403 / ADUM5403ARWZ	ADUM5403 / ADUM5403ARWZ-RL	ADUM5403 / ADUM5403CRWZ	ADUM5403 / ADUM5403CRWZ-RL	ADUM5404 / ADUM5404ARWZ	ADUM5404 / ADUM5404ARWZ-RL
ADUM5404 / ADUM5404CRWZ	ADUM5404 / ADUM5404CRWZ-RL				

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	17-Mar-2011	Initial Release

Analog Devices, Inc.

DocId:1273 Parent DocId:None Layout Rev.4