



## Product/Process Change Notice - PCN 11\_0284 Rev. A

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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.

*Note: Revised fields are indicated by a red field name. See Appendix B for revision history.*

**PCN Title:** Die rev. to ADP160/161/162/163

**Publication Date:** 02-Apr-2012

**Effectivity Date:** 18-Jan-2012 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Adding date code cutover information.

### Description Of Change

A minor metal3 routing change was made to eliminate two minor start-up issues:

- 1) When  $V_{in} > 4.2V$
- 2) When operating below  $-30C$ .

Also another minor metal3 routing change was made as an enhancement to increase the absolute maximum rating of the enable (EN) pin voltage to 6.5V.

### Reason For Change

Start-up Issue when:

- 1) Small % of devices can't operate when VIN is greater than 4.2 Volts
- 2) Small % of devices can't operate below  $-30^{\circ}C$

Datasheet change for absolute maximum rating of EN pin voltage:

From: VIN

To: +6.5V

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

All parts will start-up properly over the full specified VIN range and temperature range. Also, the EN pin can now be connected to voltages greater than VIN, up to +6.5V. This will not impact form, fit or function of the device.

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

Any material with DC 1148 and higher is the new revH material

### 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\_0284\_Rev\_A\_Qual Plan.pdf

For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative

**Appendix A - Affected ADI Models****Existing Parts - Product Family / Model Number (37)**

ADP160 / ADP160ACBZ-1.2-R7	ADP160 / ADP160ACBZ-1.5-R7	ADP160 / ADP160ACBZ-1.8-R7	ADP160 / ADP160ACBZ-2.1-R7	ADP160 / ADP160ACBZ-2.5-R7
ADP160 / ADP160ACBZ-2.75-R7	ADP160 / ADP160ACBZ-2.8-R7	ADP160 / ADP160ACBZ-2.85-R7	ADP160 / ADP160ACBZ-3.0-R7	ADP160 / ADP160ACBZ-3.3-R7
ADP160 / ADP160AUJZ-1.2-R7	ADP160 / ADP160AUJZ-1.5-R7	ADP160 / ADP160AUJZ-1.8-R7	ADP160 / ADP160AUJZ-2.3-R7	ADP160 / ADP160AUJZ-2.5-R7
ADP160 / ADP160AUJZ-2.7-R7	ADP160 / ADP160AUJZ-2.8-R7	ADP160 / ADP160AUJZ-3.0-R7	ADP160 / ADP160AUJZ-3.3-R7	ADP160 / ADP160AUJZ-4.2-R7
ADP161 / ADP161AUJZ-R7	ADP162 / ADP162ACBZ-1.2-R7	ADP162 / ADP162ACBZ-1.8-R7	ADP162 / ADP162ACBZ-2.1-R7	ADP162 / ADP162ACBZ-2.8-R7
ADP162 / ADP162ACBZ-3.0-R7	ADP162 / ADP162ACBZ-4.2-R7	ADP162 / ADP162AUJZ-1.5-R7	ADP162 / ADP162AUJZ-1.8-R7	ADP162 / ADP162AUJZ-2.3-R7
ADP162 / ADP162AUJZ-2.5-R7	ADP162 / ADP162AUJZ-2.7-R7	ADP162 / ADP162AUJZ-2.8-R7	ADP162 / ADP162AUJZ-3.0-R7	ADP162 / ADP162AUJZ-3.3-R7
ADP162 / ADP162AUJZ-4.2-R7	ADP163 / ADP163AUJZ-R7			

**Appendix B - Revision History**

Rev	Publish Date	Rev Description
Rev. -	12-Dec-2011	Initial Release
Rev. A	02-Apr-2012	Adding date code cutover information.