



## Product/Process Change Notice - PCN 11\_0184 Rev. B

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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:** ADF7023-J Metal Mask Revision

**Publication Date:** 20-Feb-2012

**Effectivity Date:** 20-Feb-2012 (the earliest date that a customer could expect to receive changed material)

### Revision Description:

Advise of additional functional changes

### Description Of Change

The metal mask of ADF7023-J product has been revised from silicon revision 1.2 to 1.3.

(Note: 1.3 is an internal ADI reference number)

Rev B: Additional functional changes have been made as described in attached document "ADF7023-J Silicon Rev. 2.2 PCN Technical Content"

### Reason For Change

To address all issues in published anomaly list (attached).

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

This change has no impact on fit, form or reliability of the ADF7023 product.

The published anomaly list is no longer applicable to the new revision and the device and will operate as per the existing datasheet with the exception of the items listed in the attached document (ADF7023-J Silicon Rev. 2.2 PCN Technical Content). It is important to review this document to determine if control firmware needs to be modified to ensure full backward compatibility.

A datasheet update (RevA) will be made to include the listed functionality changes and to document new optional functionality.

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

All devices on or after date code 1143 will use the new silicon revision.

The device can be identified by reading back firmware revision number 2.2 from the internal ROM code space. See datasheet for details.

### Summary of Supporting Information

A combination of simulation and ATE Testing has been completed to support this change.

### Supporting Documents

**Attachment 1: Type:** Detailed Change Description

ADI\_PCN\_11\_0184\_Rev\_B\_ADF7023-J\_Anomaly\_to\_Yuet\_Apr21.doc

**Attachment 2: Type:** Detailed Change Description

ADI\_PCN\_11\_0184\_Rev\_B\_PCN technical content list ADF7023-J.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**

**Existing Parts - Product Family / Model Number (2)**

|                           |                              |  |  |  |
|---------------------------|------------------------------|--|--|--|
| ADF7023-J / ADF7023-JBCPZ | ADF7023-J / ADF7023-JBCPZ-RL |  |  |  |
|---------------------------|------------------------------|--|--|--|

**Appendix B - Revision History**

| <b>Rev</b> | <b>Publish Date</b> | <b>Rev Description</b>                  |
|------------|---------------------|---|
| Rev. -     | 08-Sep-2011         | Initial Release                         |
| Rev. A     | 11-Jan-2012         | Update to advise date code effectivity  |
| Rev. B     | 20-Feb-2012         | Advise of additional functional changes |

Analog Devices, Inc.

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