



## Product/Process Change Notice - PCN 16\_0103 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 Appendix A) that you may have purchased in the last 2 years. **Any inquiries or requests with this PCN (additional data or samples) must be sent to ADI within 30 days of publication date.** ADI contact information is listed below.

**PCN Title:** Die Revision 1.1 for ADSP-BF70x Blackfin Processor Products  
**Publication Date:** 22-Jun-2016  
**Effectivity Date:** 20-Sep-2016 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

ADSP-BF70x die revision to fix the following documented anomalies:

ID# 19-00-0054: Dynamic Branch Prediction during self-nested ISR's causes unpredictable results

ID# 16-00-0055: Core writes to CAN MMR's may not occur

ID# 19-00-0057: Locked processors cannot be unlocked by emulator if other devices are present in the JTAG scan chain

ID# 19-00-0059: SMC Byte Enable Signals Tri-State During Read Operations

### Reason For Change

The changes have been implemented for continuous product improvement.

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

These changes improve the functionality of the ADSP-BF70x products and have no impact on form, fit or reliability.

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

Die Rev 1.1 will be branded on each device for identification.

### Summary of Supporting Information

Qualification has been performed per AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Qualification Results Summary. Changes will be reflected in the Rev F IC Anomaly sheet.

### Supporting Documents

**Attachment 1: Type:** Qualification Results Summary

ADI\_PCN\_16\_0103\_Rev\_-\_Qualification Results Summary for Die Revision of ADSP-BF70x.docx

For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.

**Americas:** [PCN\\_Americas@analog.com](mailto:PCN_Americas@analog.com)

**Europe:** [PCN\\_Europe@analog.com](mailto:PCN_Europe@analog.com)

**Japan:** [PCN\\_Japan@analog.com](mailto:PCN_Japan@analog.com)

**Rest of Asia:** [PCN\\_ROA@analog.com](mailto:PCN_ROA@analog.com)

**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (36)**

ADSP-BF700 / ADSP-BF700BCPZ-2	ADSP-BF700 / ADSP-BF700KCPZ-1	ADSP-BF700 / ADSP-BF700KCPZ-2	ADSP-BF700W-10 / ADBF700WCCPZ210	ADSP-BF701 / ADSP-BF701BBCZ-2
ADSP-BF701 / ADSP-BF701KBCZ-1	ADSP-BF701 / ADSP-BF701KBCZ-2	ADSP-BF702 / ADSP-BF702BCPZ-3	ADSP-BF702 / ADSP-BF702BCPZ-4	ADSP-BF702 / ADSP-BF702KCPZ-3
ADSP-BF702 / ADSP-BF702KCPZ-4	ADSP-BF703 / ADSP-BF703BBCZ-3	ADSP-BF703 / ADSP-BF703BBCZ-4	ADSP-BF703 / ADSP-BF703KBCZ-3	ADSP-BF703 / ADSP-BF703KBCZ-4
ADSP-BF703W-10 / ADBF703WCBCZ410	ADSP-BF704 / ADSP-BF704BCPZ-3	ADSP-BF704 / ADSP-BF704BCPZ-4	ADSP-BF704 / ADSP-BF704KCPZ-3	ADSP-BF704 / ADSP-BF704KCPZ-4
ADSP-BF705 / ADSP-BF705BBCZ-3	ADSP-BF705 / ADSP-BF705BBCZ-4	ADSP-BF705 / ADSP-BF705KBCZ-3	ADSP-BF705 / ADSP-BF705KBCZ-4	ADSP-BF706 / AD91207Z
ADSP-BF706 / AD91207Z-RL	ADSP-BF706 / ADSP-BF706BCPZ-3	ADSP-BF706 / ADSP-BF706BCPZ-4	ADSP-BF706 / ADSP-BF706KCPZ-3	ADSP-BF706 / ADSP-BF706KCPZ-4
ADSP-BF706W-10 / ADBF706WCCPZ410	ADSP-BF707 / ADSP-BF707BBCZ-3	ADSP-BF707 / ADSP-BF707BBCZ-4	ADSP-BF707 / ADSP-BF707KBCZ-3	ADSP-BF707 / ADSP-BF707KBCZ-4
ADSP-BF707W-10 / ADBF707WCBCZ410				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	22-Jun-2016	20-Sep-2016	Initial Release

Analog Devices, Inc.

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