Product/Process Change Notice - PCN 11_0097 Rev. C

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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 Revision 0.2 for ADSP-21469 High Performance SHARC Processors

Publication Date: 20-Aug-2012

Effectivity Date: 17-Sep-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

New effectivity date.
Add Qualification results.

Description Of Change

Die rev 0.2 incorporates fixes for the following documented IC Anomalies: # 15000005, 15000007, 15000011, 15000013, 15000015, 15000016, 15000020 & 15000022.
In addition, Revision 0.2 will incorporate the additional of Polyimide protective coating for increased quality and reliability.

PCN Rev A: Revise Anomaly list to correctly document IC Anomaly # 15000020 which still exists in die revision 0.2.

PCN Rev. B: Revise PCN to highlight product change to Pin Functionality for silicon Rev. 0.2.
In silicon Rev. 0.0, unused MediaLB (MLB) input pins-K03, K04, L02, L03, L04, should be left floating. However, For silicon Rev. 0.2, unused MLB input pins must be connected to Ground.
Please consult ADSP-21467/21469 Rev. A product datasheet Pg #12, Table 9 for additional information.

PCN Rev C:
Revise PCN to provide updated effectivity date for transition to Die Rev 0.2, from March 12, 2012 to Sept. 17, 2012.
All ADSP-21469 component shipments, made on/after September 17, 2012, using standard product model numbers, will be made with Rev 0.2 material.

Reason For Change

To improve product performance and functionality.

PCN Rev A: IC Anomaly # 15000020 was not fixed as originally documented in PCN Rev-.

PCN Rev B: To notify customers of change in MLB Pin Functionality.

PCN Rev C: To notify customers of updated effectivity date for transition to Rev 0.2

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

No change to fit, form, function or reliability.

PCN RevB: The change associated with PCN RevB may require a change to customers PCB design.

PCN Rev C: Same as Rev B.

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

Die revision will be marked on each product.

Summary of Supporting Information

Qualification has been performed per AEC-Q100, Stress Test Qualification for Integrated Circuits.
Updated Anomaly List RevG is attached for reference.

Supporting Documents

Attachment 1: Type: Datasheet Specification Comparison

ADI_PCN_11_0097_Rev_C_ADSP-21467_21469_anomaly_Rev.E.pdf

Attachment 2: Type: Revised Datasheet Specification

ADI_PCN_11_0097_Rev_C_ADSP-21467_21469_A.pdf

Attachment 3: Type: Detailed Change Description

ADI_PCN_11_0097_Rev_C_PCN_11_0097_Rev_B_2146xMLBPinFunctionality_PCN11_0097.ppt

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Attachment 4: Type: Qualification Report Summary

ADI_PCN_11_0097_Rev_C_ADSP-21469Rev02.doc

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 (14)				
ADSP-21469 / ADSP-21469BBC-3	ADSP-21469 / ADSP-21469BBCZ-3	ADSP-21469 / ADSP-21469KBCZ-3	ADSP-21469 / ADSP-21469KBCZ-4	ADSP-21469W-00 / AD21469WBBCZ300
ADSP-21469W-00 / ADW95096Z-00	ADSP-21469W-00 / ADW95096Z-00RL	ADSP-21469W-00 / ADW95098Z-00	ADSP-21469W-00 / ADW95098Z-00RL	ADSP-21469W-02 / AD21469WBBCZ302
ADSP-21469W-02 / ADW95096Z-02	ADSP-21469W-02 / ADW95096Z-02RL	ADSP-21469W-02 / ADW95098Z-02	ADSP-21469W-02 / ADW95098Z-02RL	

Appendix B - Revision History			
Rev	**Publish Date**	**Effectivity Date**	**Rev Description**
Rev. -	26-Jul-2011	23-Oct-2011	Initial Release
Rev. A	31-Jan-2012	27-Jan-2012	Correction to Anomaly # 15000020. Added parts
Rev. B	08-Mar-2012	12-Mar-2012	To highlight pin functionality change for unused MediaLB (MLB) pins
Rev. C	20-Aug-2012	17-Sep-2012	New effectivity date. Add Qualification results.