



Product/Process Change Notice - PCN 19_0029 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 for ADSP-SC57x & ADSP-2157x SHARC Processors
Publication Date: 08-Feb-2019
Effectivity Date: 13-May-2019 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:
Initial Release.

Description Of Change:

Die revision change to fix IC Anomaly # 20000093 "Processor pins can drive actively during power up".
See IC Anomaly sheet for technical details.

Reason For Change:

To improve functionality of impacted products

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

There is no impact to fit, form or reliability. Functionality is improved with this die revision.

Summary of Supporting Information:

Qualification has been performed per AEC-Q100. See attached Qualification Results Summary.

Supporting Documents

Attachment 1: Type: Detailed Change Description

ADI_PCN_19_0029_Rev_-_ADSP-SC570_571_572_573_ADSP-21571_573-Silicon-Anomaly-List_D.pdf

Attachment 2: Type: Delta Qualification Matrix

ADI_PCN_19_0029_Rev_-_ADSP-SC57x and ADSP-2157x CSP-BGA and LQFP-EP Product Revision Rev0.2.xlsm

Attachment 3: Type: Qualification Results Summary

ADI_PCN_19_0029_Rev_-_Qualification Results ADSP-SC57x and ADSP-2157x.pdf

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

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 (75)

ADSP-21571 / ADSP-21571BSWZ-4	ADSP-21571 / ADSP-21571BSWZ-5	ADSP-21571 / ADSP-21571CSWZ-4	ADSP-21571 / ADSP-21571CSWZ-5	ADSP-21571 / ADSP-21571KSWZ-4
ADSP-21571 / ADSP-21571KSWZ-5	ADSP-21571W / AD21571WCSWZ400	ADSP-21571W / AD21571WCSWZ500	ADSP-21571W / ADW9517ZZ-00	ADSP-21571W / ADW9517ZZ-00RL
ADSP-21573 / ADSP-21573BBCZ-4	ADSP-21573 / ADSP-21573BBCZ-5	ADSP-21573 / ADSP-21573CBCZ-4	ADSP-21573 / ADSP-21573CBCZ-5	ADSP-21573 / ADSP-21573KBCZ-4
ADSP-21573 / ADSP-21573KBCZ-5	ADSP-21573-D / ADSP-21573KBCZ4D1	ADSP-21573-D / ADSP-21573KBCZ4D2	ADSP-21573-D / ADSP-21573KBCZ4D3	ADSP-21573-D / ADSP-21573KBCZ4D4
ADSP-21573-D / ADSP-21573KBCZ4D6	ADSP-21573-D / ADSP-21573KBCZ4D7	ADSP-21573-D / ADSP-21573KBCZ5D1	ADSP-21573-D / ADSP-21573KBCZ5D2	ADSP-21573-D / ADSP-21573KBCZ5D3
ADSP-21573-D / ADSP-21573KBCZ5D4	ADSP-21573W / AD21573WCBCZ400	ADSP-21573W / AD21573WCBCZ500	ADSP-21573W / ADW95168Z-00	ADSP-21573W / ADW95168Z-00RL
ADSP-21573W / ADW95168Z-00	ADSP-21573W / ADW95168Z-00RL	ADSP-SC570 / ADSP-SC570BSWZ-4	ADSP-SC570 / ADSP-SC570BSWZ-42	ADSP-SC570 / ADSP-SC570CSWZ-4
ADSP-SC570 / ADSP-SC570CSWZ-42	ADSP-SC570 / ADSP-SC570KSWZ-4	ADSP-SC570 / ADSP-SC570KSWZ-42	ADSP-SC570W / ADSC570WCSWZ400	ADSP-SC570W / ADSC570WCSWZ4200
ADSP-SC570W / ADW95171Z-00	ADSP-SC570W / ADW95171Z-00RL	ADSP-SC571 / ADSP-SC571BSWZ-3	ADSP-SC571 / ADSP-SC571BSWZ-4	ADSP-SC571 / ADSP-SC571BSWZ-5
ADSP-SC571 / ADSP-SC571CSWZ-3	ADSP-SC571 / ADSP-SC571CSWZ-4	ADSP-SC571 / ADSP-SC571CSWZ-5	ADSP-SC571 / ADSP-SC571KSWZ-3	ADSP-SC571 / ADSP-SC571KSWZ-4
ADSP-SC571 / ADSP-SC571KSWZ-5	ADSP-SC571W / ADSC571WCSWZ300	ADSP-SC571W / ADSC571WCSWZ400	ADSP-SC571W / ADSC571WCSWZ500	ADSP-SC572 / ADSP-SC572BBCZ-4
ADSP-SC572 / ADSP-SC572BBCZ-42	ADSP-SC572 / ADSP-SC572CBCZ-4	ADSP-SC572 / ADSP-SC572CBCZ-42	ADSP-SC572 / ADSP-SC572KBCZ-4	ADSP-SC572 / ADSP-SC572KBCZ-42
ADSP-SC572W / ADSC572WCBCZ400	ADSP-SC572W / ADSC572WCBCZ4200	ADSP-SC573 / ADSP-SC573BBCZ-3	ADSP-SC573 / ADSP-SC573BBCZ-4	ADSP-SC573 / ADSP-SC573BBCZ-5
ADSP-SC573 / ADSP-SC573CBCZ-3	ADSP-SC573 / ADSP-SC573CBCZ-4	ADSP-SC573 / ADSP-SC573CBCZ-5	ADSP-SC573 / ADSP-SC573KBCZ-3	ADSP-SC573 / ADSP-SC573KBCZ-4
ADSP-SC573 / ADSP-SC573KBCZ-5	ADSP-SC573-D / ADSP-SC573KBCZ4D1	ADSP-SC573W / ADSC573WCBCZ300	ADSP-SC573W / ADSC573WCBCZ400	ADSP-SC573W / ADSC573WCBCZ500

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	08-Feb-2019	13-May-2019	Initial Release.

Analog Devices, Inc.

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