



## Product/Process Change Notice - PCN 19\_0030 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-SC58x & ADSP-2158x SHARC Processors  
**Publication Date:** 20-Feb-2019  
**Effectivity Date:** 25-May-2019 *(the earliest date that a customer could expect to receive changed material)*

**Revision Description:**  
Initial Release.

**Description Of Change:**

Die revision 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.

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

A date code can be supplied prior to introduction of the revised product.

**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\_0030\_Rev\_-\_ADSP-2158x\_ADSP-SC58x-SHARC-Anomaly\_D.pdf

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**Attachment 2: Type:** Delta Qualification Matrix

ADI\_PCN\_19\_0030\_Rev\_-\_ADSP-SC58x-ADSP-2158x\_Delta-Qualification-Matrix-ZVEI-3\_1.xlsm

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**Attachment 3: Type:** Qualification Results Summary

ADI\_PCN\_19\_0030\_Rev\_-\_Qualification Results ADSP-SC58x and ADSP-2158x.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 (77)

ADSP-21487-D / ADSST-AVR-4051	ADSP-21583 / AD91214Z	ADSP-21583 / ADSP-21583BBCZ-4A	ADSP-21583 / ADSP-21583CBCZ-4A	ADSP-21583 / ADSP-21583KBCZ-4A
ADSP-21583W-10 / AD21583WCBCZ4A10	ADSP-21583W-10 / ADW95149Z-10RL	ADSP-21584 / AD91208Z	ADSP-21584 / ADSP-21584BBCZ-4A	ADSP-21584 / ADSP-21584BBCZ-5A
ADSP-21584 / ADSP-21584CBCZ-4A	ADSP-21584 / ADSP-21584CBCZ-5A	ADSP-21584 / ADSP-21584KBCZ-4A	ADSP-21584 / ADSP-21584KBCZ-5A	ADSP-21584-D / AD91212Z
ADSP-21584-D / AD91219Z	ADSP-21584-D / ADSP-21584KBCZ4AD1	ADSP-21584-D / ADSP-21584KBCZ4AD2	ADSP-21584-D / ADSP-21584KBCZ4AD3	ADSP-21584-D / ADSP-21584KBCZ4AD4
ADSP-21584-D / ADSP-21584KBCZ4AD5	ADSP-21584-D / ADSP-21584KBCZ4AD6	ADSP-21584-D / ADSP-21584KBCZ5AD1	ADSP-21584-D / ADSP-21584KBCZ5AD3	ADSP-21584-D / ADSP-21584KBCZ5AD4
ADSP-21584W-10 / AD21584WCBCZ4A10	ADSP-21584W-10 / AD21584WCBCZ5A10	ADSP-21584W-10 / ADW95159Z-10	ADSP-21584W-10 / ADW95159Z-10RL	ADSP-21584W-11 / ADW95167Z-11
ADSP-21587 / ADSP-21587BBCZ-4B	ADSP-21587 / ADSP-21587BBCZ-5B	ADSP-21587 / ADSP-21587KBCZ-4B	ADSP-21587 / ADSP-21587KBCZ-5B	ADSP-SC582 / ADSP-SC582BBCZ-4A
ADSP-SC582 / ADSP-SC582CBCZ-4A	ADSP-SC582 / ADSP-SC582KBCZ-4A	ADSP-SC582W-10 / ADSC582WCBCZ4A10	ADSP-SC583 / ADSP-SC583BBCZ-3A	ADSP-SC583 / ADSP-SC583BBCZ-4A
ADSP-SC583 / ADSP-SC583CBCZ-3A	ADSP-SC583 / ADSP-SC583CBCZ-4A	ADSP-SC583 / ADSP-SC583KBCZ-3A	ADSP-SC583 / ADSP-SC583KBCZ-4A	ADSP-SC583W-10 / ADSC583WCBCZ3A10
ADSP-SC583W-10 / ADSC583WCBCZ4A10	ADSP-SC584 / ADSP-SC584BBCZ-3A	ADSP-SC584 / ADSP-SC584BBCZ-4A	ADSP-SC584 / ADSP-SC584BBCZ-5A	ADSP-SC584 / ADSP-SC584CBCZ-3A
ADSP-SC584 / ADSP-SC584CBCZ-4A	ADSP-SC584 / ADSP-SC584CBCZ-5A	ADSP-SC584 / ADSP-SC584KBCZ-3A	ADSP-SC584 / ADSP-SC584KBCZ-4A	ADSP-SC584 / ADSP-SC584KBCZ-5A
ADSP-SC584-D / ADSP-SC584KBCZ4AD1	ADSP-SC584W-10 / ADSC584WCBCZ3A10	ADSP-SC584W-10 / ADSC584WCBCZ4A10	ADSP-SC584W-10 / ADSC584WCBCZ5A10	ADSP-SC584W-10 / ADW95148Z-10
ADSP-SC584W-10 / ADW95148Z-10RL	ADSP-SC584W-10 / ADW95173Z-10RL	ADSP-SC584W-10 / ADW95174Z-10	ADSP-SC584W-10 / ADW95174Z-10RL	ADSP-SC584W-11 / ADW95166Z-11
ADSP-SC587 / AD91218Z	ADSP-SC587 / ADSP-SC587BBCZ-4B	ADSP-SC587 / ADSP-SC587BBCZ-5B	ADSP-SC587 / ADSP-SC587KBCZ-4B	ADSP-SC587 / ADSP-SC587KBCZ-5B
ADSP-SC587W-10 / ADSC587WBBCZ5B10	ADSP-SC587W-10 / ADSC587WCBCZ4B10	ADSP-SC589 / ADSP-SC589BBCZ-4B	ADSP-SC589 / ADSP-SC589BBCZ-5B	ADSP-SC589 / ADSP-SC589KBCZ-4B
ADSP-SC589 / ADSP-SC589KBCZ-5B	ADSP-SC589-D / ADSP-SC589KBCZ4BD4			

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	20-Feb-2019	25-May-2019	Initial Release.

Analog Devices, Inc.

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