



Product/Process Change Notice - PCN 17_0106 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: Data Sheet Corrections for ADSP-2158x and ADSP-SC58x Products
Publication Date: 30-May-2017
Effectivity Date: 30-May-2017 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

The following specification changes will be made to the product data sheet:

- 1) Correction to DDR2 SDRAM Read Cycle Timing to align to JEDEC JESD79 specifications.
From: Rev 0 data sheet, table #52: tQH parameter 0.9 ns
To : Rev A data sheet, table #54: tQH parameter 0.8 ns
- 2) Correction to DDR3 SDRAM Read Cycle Timing to align to JEDEC JESD79 specifications.
From: Rev 0 data sheet, table #58: tDQSQ parameter 0.2 ns
To: Rev A data sheet, table #60: tDQSQ parameter 0.15 ns

Reason For Change

To better align to JEDEC JESD79 specifications and represent the actual functionality of the products.

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

Customers are advised to confirm these changes against their product designs. These changes are not expected to impact the fit, form, function or reliability of the ADSP-2158x and ADSP-SC58x products.

Summary of Supporting Information

These corrections will be reflected in Rev A of the product datasheet.

Supporting Documents None

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 (52)

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|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| ADSP-21487-D / ADSST-AVR-4051 | ADSP-21583 / ADSP-21583BBCZ-4A | ADSP-21583 / ADSP-21583CBCZ-4A | ADSP-21583 / ADSP-21583KBCZ-4A | 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 / ADSP-21584KBCZ4AD1 | ADSP-21584-D / ADSP-21584KBCZ4AD2 | ADSP-21584-D / ADSP-21584KBCZ4AD3 |
| ADSP-21584-D / ADSP-21584KBCZ4AD4 | ADSP-21584-D / ADSP-21584KBCZ5AD1 | ADSP-21584W-10 / AD21584WCBCZ4A10 | ADSP-21584W-10 / AD21584WCBCZ5A10 | ADSP-21584W-10 / ADW95159Z-10 |
| ADSP-21584W-10 / ADW95159Z-10RL | 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-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-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-SC584W-10 / ADSC584WCBCZ3A10 | ADSP-SC584W-10 / ADSC584WCBCZ4A10 |
| ADSP-SC584W-10 / ADSC584WCBCZ5A10 | ADSP-SC584W-10 / ADW95148Z-10 | ADSP-SC584W-10 / ADW95148Z-10RL | ADSP-SC587 / ADSP-SC587BBCZ-4B | ADSP-SC587 / ADSP-SC587BBCZ-5B |
| ADSP-SC587 / ADSP-SC587KBCZ-4B | ADSP-SC587 / ADSP-SC587KBCZ-5B | | | |

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|------------------------|
| Rev. - | 30-May-2017 | 30-May-2017 | Initial Release |
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Analog Devices, Inc.

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