



## Product/Process Change Notice - PCN 17\_0106 Rev. A

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.

*Note: Revised fields are indicated by a red field name. See Appendix B for revision history.*

**PCN Title:** Data Sheet corrections for ADSP-2158x and ADSP-SC58x Products  
**Publication Date:** 20-Jul-2017  
**Effectivity Date:** 20-Jul-2017 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Correcting Table numbers for Rev A data sheet changes.

### Description Of Change

Correcting table numbers below for the changes made in Rev A data sheet.  
The following specification changes will be made to the Rev A 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 #55: 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 #61: 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.**

<b>Americas:</b> PCN_Americas@analog.com	<b>Europe:</b> PCN_Europe@analog.com	<b>Japan:</b> PCN_Japan@analog.com
		<b>Rest of Asia:</b> PCN_ROA@analog.com

**Appendix A - Affected ADI Models**

**Existing Parts - Product Family / Model Number (52)**

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**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	30-May-2017	30-May-2017	Initial Release
Rev. A	20-Jul-2017	20-Jul-2017	Correcting Table numbers for Rev A data sheet changes.

Analog Devices, Inc.

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