



## Product/Process Change Notice - PCN 14\_0106 Rev. -

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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.

**PCN Title:** AD5380/AD5381/AD5382/AD5383/AD5384 Data Sheet Timing Corrections and Power Supply Sequencing Information

**Publication Date:** 11-Apr-2014

**Effectivity Date:** 11-Apr-2014 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

This PCN details corrections to the text of the Serial Interface Timing section of the AD5380, AD5381, AD5382, AD5383 and AD5384 Data Sheets as per attached document.

#### Power Supply Sequencing

The AD5380/AD5381/AD5382/AD5383/AD5384 require that for correct operation the DVDD supply is applied first and that the AVDD supply is applied within 10ms of the DVDD supply. Where this is not possible there are a number of work-arounds available as detailed in the attached document.

### Reason For Change

Correct data sheet to accurately reflect devices' performance.

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

No impact on form, fit or function for designs currently implementing the recommended power supply sequencing. Data sheet changes indicate best design practice for new designs.

### Summary of Supporting Information

These timing specification corrections will be added to the following data sheets:

AD5380 Rev D  
AD5381 Rev E  
AD5382 Rev D  
AD5383 Rev D  
AD5384 Rev C

### Supporting Documents

**Attachment 1: Type:** Detailed Change Description

ADI\_PCN\_14\_0106\_Rev\_-\_AD538x Timing Table.pdf

**Attachment 2: Type:** Detailed Change Description

ADI\_PCN\_14\_0106\_Rev\_-\_AD538x Power Supply Sequencing.pdf

**For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative**

**Americas:** [PCN\\_Americas@analog.com](mailto:PCN_Americas@analog.com)

**Europe:** [PCN\\_Europe@analog.com](mailto:PCN_Europe@analog.com)

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**Rest of Asia:** [PCN\\_ROA@analog.com](mailto:PCN_ROA@analog.com)

**Appendix A - Affected ADI Models****Added Parts On This Revision - Product Family / Model Number (12)**

AD5380 / AD5380BSTZ-3	AD5380 / AD5380BSTZ-5	AD5381 / AD5381BSTZ-3	AD5381 / AD5381BSTZ-3-REEL	AD5381 / AD5381BSTZ-5
AD5381 / AD5381BSTZ-5-REEL	AD5382 / AD5382BSTZ-3	AD5382 / AD5382BSTZ-5	AD5383 / AD5383BSTZ-3	AD5383 / AD5383BSTZ-5
AD5384 / AD5384BBCZ-5	AD5384 / AD5384BBCZ-5REEL7			

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	11-Apr-2014	11-Apr-2014	Initial Release

Analog Devices, Inc.

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