



## Product/Process Change Notice - PCN 14\_0168 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:** AD5390/AD5391/AD5392 Data Sheet Timing Corrections and Power Supply Sequencing Information added.

**Publication Date:** 17-Jul-2014

**Effectivity Date:** 17-Jul-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 AD5390, AD5391 and AD5392 Data Sheets as per attached document.

#### Power Supply Sequencing

The AD5390/AD5391/AD5392 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 Rev F of the data sheet.

### 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

The timing specification corrections and power supply sequencing information have been added to the AD5390/AD5391/AD5392 Rev F data sheet

### Supporting Documents

**Attachment 1: Type:** Datasheet Specification Comparison

ADI\_PCN\_14\_0168\_Rev\_-\_AD539x timing spec changes.pdf

**Attachment 2: Type:** Other

ADI\_PCN\_14\_0168\_Rev\_-\_AD5390\_5391\_5392-5 Datasheet Rev F.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

**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 (18)**

AD5390 / AD5390BCPZ-3	AD5390 / AD5390BCPZ-3-REEL	AD5390 / AD5390BCPZ-3-REEL7	AD5390 / AD5390BCPZ-5	AD5390 / AD5390BCPZ-5-REEL
AD5390 / AD5390BCPZ-5-REEL7	AD5390 / AD5390BSTZ-3	AD5390 / AD5390BSTZ-5	AD5391 / AD5391BCPZ-3	AD5391 / AD5391BCPZ-5
AD5391 / AD5391BCPZ-5-REEL	AD5391 / AD5391BCPZ-5-REEL7	AD5391 / AD5391BSTZ-3	AD5391 / AD5391BSTZ-5	AD5392 / AD5392BCPZ-3
AD5392 / AD5392BCPZ-5	AD5392 / AD5392BSTZ-3	AD5392 / AD5392BSTZ-5		

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	17-Jul-2014	17-Jul-2014	Initial Release

Analog Devices, Inc.

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