



## Product/Process Change Notice - PCN 16\_0107 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:** AD9680-500/820/1000/1250 Die Revision and Data Sheet Change  
**Publication Date:** 09-Dec-2016  
**Effectivity Date:** 09-Mar-2017 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

Minor metal changes were made.  
Lowered PORB Voltage Threshold typical by 70mV.

Data Sheet has changed as follows:  
Extend absolute maximum thermal junction temperature (Tj)  
From 115C  
To 125C

### Reason For Change

Improved Manufacturability  
Enhanced Digital Test coverage by fixing "At-Speed" Scan.  
The Extended Temperature Range Eases Customer's System Level Thermal Requirements.

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

No change to fit, form, function or reliability.

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

Revision number (R5) available through SPI read back in Customer Register Block.

### Summary of Supporting Information

No qualification required due to minor nature of changes.  
Changes will be reflected new revision of the appropriate Data Sheets for each generic/model.

**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



**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (10)**

AD9680 / AD80349BCPZ	AD9680 / AD80349BCPZRL7	AD9680 / AD9680BCPZ-1000	AD9680 / AD9680BCPZ-1250	AD9680 / AD9680BCPZ-500
AD9680 / AD9680BCPZ-820	AD9680 / AD9680BCPZRL7-1000	AD9680 / AD9680BCPZRL7-1250	AD9680 / AD9680BCPZRL7-500	AD9680 / AD9680BCPZRL7-820

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	09-Dec-2016	09-Mar-2017	Initial Release

Analog Devices, Inc.

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