



## Product/Process Change Notice - PCN 09\_0247 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:** AD8674 Data sheet specification changes  
**Publication Date:** 25-Nov-2009  
**Samples Available Date:** 12-Nov-2009  
**Effectivity Date:** 25-Nov-2009 *(the earliest date that a customer could expect to receive changed material)*

### Description Of Change

For the quad op amp, AD8674, the operating temperature range is changed from "-40C to +125C" to "-40C to +85C".

### Reason For Change

Junction temperature calculations show the junction temperature is too high when operating at an ambient temperature above 85C. There is no change to the AD8674 silicon.

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

The reliability will be improved by restricting the ambient operating temperature range, which will reduce the junction temperature.

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

Applies to all AD8674 material.

### Summary of Supporting Information

The changes will be reflected in Rev D of the AD8674 datasheet. Rel calculator on external ADI web site.

### Comments

The operating temperature range for the AD8674 was erroneously listed as "-40C to +125C"  
The correct information is "-40C to +85C".

**Supporting Documents** None

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

<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**

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

AD8674 / AD8674AR	AD8674 / AD8674AR-REEL	AD8674 / AD8674AR-REEL7	AD8674 / AD8674ARU	AD8674 / AD8674ARU-REEL	AD8674 / AD8674ARUZ
AD8674 / AD8674ARUZ-REEL	AD8674 / AD8674ARZ	AD8674 / AD8674ARZ-REEL	AD8674 / AD8674ARZ-REEL7		

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Rev Description</b>
Rev. -	25-Nov-2009	Initial Release

Analog Devices, Inc.

DocId:921 Parent DocId:None