



## Product/Process Change Notice - PCN 11\_0288 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 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:** AD7734 Fab Process Transfer and Minor Specification Changes  
**Publication Date:** 14-Nov-2011  
**Effectivity Date:** 12-Feb-2012 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

### Description Of Change

AD7734 wafer fabrication transfer from 6" 0.5um CMOS process at TSMC 2B, Taiwan and Analog Devices, Limerick, Ireland to 8" 0.35um CMOS process at Analog Devices, Limerick, Ireland.

This transfer has resulted in the following minor data sheet updates:  
INL at 6.144 MHz widened from 45ppm max to 60ppm max  
Offset max spec widened from 10mV to 13mV  
Offset drift spec changed from 2.5uV/C max to 2.5uV/C typ  
Full scale error drift spec changed from 3ppm/C max to 3ppm/C typ  
Channel to Channel Isolation increased from 100dB typ to 110 dB typ

### Reason For Change

Increased wafer fabrication capacity.

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

With the exception of the specification updates documented above, the AD7734 form, fit, function quality or reliability will not change.

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

Material from date code 1143 will incorporate the above changes.  
The new specification values will be documented in Rev. A of the AD7734 data sheet.

### Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Report Summary.

### Supporting Documents

**Attachment 1: Type:** Qualification Report Summary  
ADI\_PCN\_11\_0288\_Rev\_-\_AD7734\_Qual Data.pdf

**Attachment 2: Type:** Revised Datasheet Specification  
ADI\_PCN\_11\_0288\_Rev\_-\_AD7734\_RevA.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

**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (4)**

AD7734 / AD7734BRU	AD7734 / AD7734BRUZ	AD7734 / AD7734BRUZ-REEL	AD7734 / AD7734BRUZ-REEL7	
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**Appendix B - Revision History**

Rev	Publish Date	Rev Description
Rev. -	14-Nov-2011	