



Product/Process Change Notice - PCN 09_0172 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: AD7877 Datasheet specification changes
Publication Date: 25-Aug-2009
Samples Available Date:
Effectivity Date: 25-Aug-2009 *(the earliest date that a customer could expect to receive changed material)*

Description Of Change

Data sheet updated as follows:

- 1) ADC Offset error: From ± 2 LSB typ. and ± 6 LSB max. to ± 5 LSB typ (specified for 11 bits)
- 2) ADC Gain error: From ± 4 LSB max. to ± 3 typ. (specified for 11 bits)
- 3) DAC Register power up value: From 0x000 to 0x008
- 4) Alert Status/Enable Register: From bit3 (TEMP1HI) and bit7(TEMP1LO) to bit3(TEMP1LO) and bit7(TEMP1HI). Bits 3 and 7 in Table 18 were reversed in previous datasheet versions.
- 5) Master sequencer. Added a comment on Power Management section to indicate that master sequencer does not work in full power mode (PM=10).

Reason For Change

The datasheet is being updated to accurately reflect actual device capabilities. There is no change to the AD7877 silicon.

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

There is no change to the product design or operation of the AD7877 therefore there is no impact on the fit, form, function or reliability of the device.

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

Applies to all AD7877 material.

Summary of Supporting Information

The changes described in this notification are reflected in the attached Revision C of the AD7877 datasheet.

Supporting Documents

Attachment 1: ADI_PCN_09_0172_Rev_-_AD7877_Rev.C_.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 (9)

AD7877 / AD7877ACBZ-REEL	AD7877 / AD7877ACBZ-REEL7	AD7877 / AD7877ACP-500RL7	AD7877 / AD7877ACP-REEL	AD7877 / AD7877ACP-REEL7	AD7877 / AD7877ACPZ-500RL7
AD7877 / AD7877ACPZ-REEL	AD7877 / AD7877ACPZ-REEL7	AD7877 / EVAL-AD7877EB			

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	25-Aug-2009	Initial Release

Analog Devices, Inc.

DocId:824 Parent DocId:None