

Product/Process Change Notice - PCN 18_0156 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: Revision to AD8418A Data Sheet Absolute Maximum Ratings Table

Publication Date: 12-Oct-2018

Effectivity Date: 14-Jan-2019 (the earliest date that a customer could expect to receive changed material)

Revision Description:

Initial Release.

Description Of Change:

The Absolute Maximum Ratings Table in the Data Sheet is changing as follows:

- 1. The Input Voltage Range Continuous specification will be removed.
- 2. The Input Voltage Range Survival will be renamed Input Voltage Range Common-mode.
- 3. The Differential Input Survival specification will be renamed Input Voltage Range Differential.
- 4. The Rating for Input Voltage Range Common-mode will change from "-4V to +85V" to "-3V to +80V".
- 5. The Rating for Input Voltage Range Differential will change from "+/-5.5V" to "5.5V (Magnitude)".

Reason For Change:

The reasons below correspond to the numbered Description of Change (above):

- 1. Refers to Operating Range, not Absolute Maximum Rating.
- 2. Clarifies definition of specification.
- 3. Clarifies definition of specification
- 4. Revise limits on device performance.
- 5. Clarifies rating as input voltage magnitude in on direction or the other rather than -5.5V to +5.5V.

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

Does not affect form, fit, functionality or reliability.

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

Date Code: 1836

Summary of Supporting Information:

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary.

Supporting Documents

Attachment 1: Type: Datasheet Specification Comparison

ADI_PCN_18_0156_Rev_-_AD8418A_Datasheet_Changes_Rev_C_to_Rev_D.pdf

Attachment 2: Type: Delta Qualification Matrix

ADI PCN 18 0156 Rev - AD8418A AMR Table Change on Data Sheet DELTA QUALIFICATION MATRIX.XLSM

Attachment 3: Type: Qualification Results Summary

ADI_PCN_18_0156_Rev_-_AD8418A_AMR_Table_Change_on_Data Sheet_Qual_Summary .PDF

For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.

Americas: Europe: Japan: Rest of Asia:

Appendix A - Affected ADI Models					
Added Parts On This Revision - Product Family / Model Number (10)					
AD8418A / AD8418ABRMZ	AD8418A / AD8418ABRMZ-RL	AD8418A / AD8418AWBRMZ	AD8418A / AD8418AWBRMZ-RL	AD8418A / AD8418AWBRZ	
AD8418A / AD8418AWBRZ-RL	AD8418A / AD8418AWHRMZ	AD8418A / AD8418AWHRMZ-RL	AD8418A / AD8418AWHRZ	AD8418A / AD8418AWHRZ-RL	

Appendix B - Revision History				
Rev	Publish Date	Effectivity Date	Rev Description	
Rev	12-Oct-2018	14-Jan-2019	Initial Release.	

Analog Devices, Inc.

DocId:4522 Parent DocId:None Layout Rev:7