



## 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**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	12-Oct-2018	14-Jan-2019	Initial Release.

Analog Devices, Inc.

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