



Product/Process Change Notice - PCN 19_0124 Rev. -

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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: AD8417 Data Sheet Revisions

Publication Date: 18-Jun-2019

Effectivity Date: 18-Jun-2019 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change:

Page 1: Changed "High Common-mode input voltage range" survival ratings in "Features" section on page 1.

Page 4: The Absolute Maximum Ratings table of 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)".

Page 13: Figure 33. 3-Phase Motor Control schematic edited.

Reason For Change:

Page 1: Features section updated to match modifications to Absolute Maximum Ratings Table.

Page 4: 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 of device performance.
5. Clarifies rating as input voltage magnitude in one direction or the other rather than -5.5V to 5.5V.

Page 13: Corrected errors in schematic.

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

Does not affect fit, form, functionality or reliability.

Summary of Supporting Information:

Changes will be reflected on Product Data Sheet Revision D.

Supporting Documents

Attachment 1: Type: Datasheet Specification Comparison

ADI_PCN_19_0124_Rev_-_AD8417_Data_Sheet_Changes_Rev_C_to_Rev_D.pdf

Attachment 2: Type: Delta Qualification Matrix

ADI_PCN_19_0124_Rev_-_AD8417_DELTA_QUALIFICATION_MATRIX.xlsm

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

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Appendix A - Affected ADI Models

Added Parts On This Revision - Product Family / Model Number (11)

| | | | | |
|---------------------------|------------------------|-------------------------|-------------------------|------------------------|
| AD8417 / AD8417BRMZ | AD8417 / AD8417BRMZ-RL | AD8417 / AD8417WBRMZ | AD8417 / AD8417WBRMZ-RL | AD8417 / AD8417WBRZ |
| AD8417 / AD8417WBRZ-RL | AD8417 / AD8417WHRMZ | AD8417 / AD8417WHRMZ-RL | AD8417 / AD8417WHRZ | AD8417 / AD8417WHRZ-RL |
| AD8417 / ADW68417WHRMZ-RL | | | | |

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|------------------------|
| Rev. - | 18-Jun-2019 | 18-Jun-2019 | Initial Release |

Analog Devices, Inc.

DocId:6740 Parent DocId:None Layout Rev:7