



Product/Process Change Notice - PCN 22_0084 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: AD8422 Die and Data Sheet Revision

Publication Date: 10-Aug-2022

Effectivity Date: 12-Nov-2022 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release.

Description Of Change:

1. Die revision changed metals and connections for capacitor and resistor to eliminate signal oscillation.
2. Data sheet revision from Rev B to Rev C.
3. Data sheet changes in Quiescent Current Limits; Iq typical from 300uA to 338uA, Iq max from 330 uA to 368uA. These changes apply particularly in Features (Page 1), Table 1 (page 6), Table 2 (page 9), Table 3 (page 12).
4. Additional note in the description of the RG pins 2,3 in Table 7 (page 14) from "Gain Setting Terminals. Place resistor across the RG pins to set the gain. $G = 1 + (19.8k/RG)$." only to "Gain Setting Terminals. Place resistor across the RG pins to set the gain. $G = 1 + (19.8k/RG)$. Do not connect anything else to these pins. The minimum allowed value of RG is 19.8 ohms."

Reason For Change:

New die aims to improve the device input common-mode levels, reference voltages, and outputs.

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

No impact on fit, form, function and reliability when operated within data sheet specifications.

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

Date codes starting 94 days after the publication of this PCN.

Summary of Supporting Information:

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary. Data Sheet changes will be reflected in Rev. C of the Product Data Sheet.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_22_0084_Rev_-_AD8422 Reliability Report.pdf

Attachment 2: Type: Datasheet Specification Comparison

ADI_PCN_22_0084_Rev_-_AD8422 Data Sheet Change Description.pdf

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

Americas:
PCN_Americas@analog.com

Europe:
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Japan:
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Rest of Asia:
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Appendix A - Affected ADI Models

Added Parts On This Revision - Product Family / Model Number (14)

AD8422 / AD8422ACPZ-R7	AD8422 / AD8422ACPZ-RL	AD8422 / AD8422ARMZ	AD8422 / AD8422ARMZ-R7	AD8422 / AD8422ARMZ-RL
AD8422 / AD8422ARZ	AD8422 / AD8422ARZ-R7	AD8422 / AD8422ARZ-RL	AD8422 / AD8422BRMZ	AD8422 / AD8422BRMZ-R7
AD8422 / AD8422BRMZ-RL	AD8422 / AD8422BRZ	AD8422 / AD8422BRZ-R7	AD8422 / AD8422BRZ-RL	

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	10-Aug-2022	12-Nov-2022	Initial Release.

Analog Devices, Inc.

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