



Product/Process Change Notice - PCN 18_0171 Rev. B

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.

Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

PCN Title: ADA4522 Die Revision

Publication Date: 24-Feb-2020

Effectivity Date: 28-May-2020 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Add parts ADA4522-4.

Add Qualification Results for ADA4522-1.

Add Qualification Plan for ADA4522-4.

Add conversion date for ADA4522-2.

Description Of Change:

Changes to the Metal 1 / Via / Metal 2 layers. All models will be affected.

Reason For Change:

Improved power on start-up robustness for both high source impedance configurations and high supply current conditions.

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

No Impact to fit, form or function. Reliability improved to cover application with power on start-up and high source impedance.

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

Material will be separated by date code for conversion to the new die. ADA4522-2 cutover date was 1918.

Summary of Supporting Information:

Qualification will be performed per Industry Standard Test Methods. See attached Qualification Plan.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_18_0171_Rev_B_Qualification Summary ADA4522-2 Die Revision.pdf

Attachment 2: Type: Qualification Plan

ADI_PCN_18_0171_Rev_B_Qualification Summary ADA4522-1 Die Revision.pdf

Attachment 3: Type: Qualification Plan

ADI_PCN_18_0171_Rev_B_ADA4522-4 Die Rev Qual Plan.pdf

Attachment 4: Type: Qualification Results Summary

ADI_PCN_18_0171_Rev_B_ADA4522-1 DR Qual Result Summary.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:
PCN_Europe@analog.com

Japan:
PCN_Japan@analog.com

Rest of Asia:
PCN_ROA@analog.com

Appendix A - Affected ADI Models

Existing Parts - Product Family / Model Number (12)

ADA4522-1 / ADA4522-1ARMZ	ADA4522-1 / ADA4522-1ARMZ-R7	ADA4522-1 / ADA4522-1ARMZ-RL	ADA4522-1 / ADA4522-1ARZ	ADA4522-1 / ADA4522-1ARZ-R7
ADA4522-1 / ADA4522-1ARZ-RL	ADA4522-2 / ADA4522-2ARMZ	ADA4522-2 / ADA4522-2ARMZ-R7	ADA4522-2 / ADA4522-2ARMZ-RL	ADA4522-2 / ADA4522-2ARZ
ADA4522-2 / ADA4522-2ARZ-R7	ADA4522-2 / ADA4522-2ARZ-RL			

Added Parts On This Revision - Product Family / Model Number (6)

ADA4522-4 / ADA4522-4ARUZ	ADA4522-4 / ADA4522-4ARUZ-R7	ADA4522-4 / ADA4522-4ARUZ-RL	ADA4522-4 / ADA4522-4ARZ	ADA4522-4 / ADA4522-4ARZ-R7
ADA4522-4 / ADA4522-4ARZ-RL				

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	20-Dec-2018	28-Feb-2019	Initial Release.
Rev. A	20-May-2019	22-Aug-2019	Add parts. Add Qualification Results for ADA4522-2. Add Qualification Plan for ADA4522-1.
Rev. B	24-Feb-2020	28-May-2020	Add parts ADA4522-4. Add Qualification Results for ADA4522-1. Add Qualification Plan for ADA4522-4. Add conversion date for ADA4522-2.

Analog Devices, Inc.

DocId:7964 Parent DocId:None Layout Rev:7