



## 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

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**Attachment 2: Type:** Qualification Plan

ADI\_PCN\_18\_0171\_Rev\_B\_Qualification Summary ADA4522-1 Die Revision.pdf

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**Attachment 3: Type:** Qualification Plan

ADI\_PCN\_18\_0171\_Rev\_B\_ADA4522-4 Die Rev Qual Plan.pdf

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**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**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
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.

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