



## Product/Process Change Notice - PCN 18\_0051 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:** ADXL372 ASIC Die and Data Sheet Revision

**Publication Date:** 20-Jul-2018

**Effectivity Date:** 22-Oct-2018 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release.

### Description Of Change:

1) Modification of digital circuitry through revision of ASIC metal layer.

--See attached detailed change description in the supporting documents section of this PCN for I2C communication bench testing results and comparison.

2) Data sheet revision updated to Rev B. (see page 26)

--Rev ID register (register 0x03) value has changed from '0x02' to '0x03'. 'Register map' and 'Register Details' section of data sheet have been updated appropriately.

--'I2C Protocol' section in the 'Serial Communications' section of the data sheet has been updated to account for I2C communication fix.

### Reason For Change:

I2C communication fix allows full usability in systems with multiple I2C-connected parts.

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

No impact on fit or form, or reliability. Positive impact on functionality due to ability to use I2C with multiple parts on bus.

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

Rev ID register (register 0x03) value is '3'

### Summary of Supporting Information:

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

### Supporting Documents

**Attachment 1: Type:** Detailed Change Description

ADI\_PCN\_18\_0051\_Rev\_-\_Rev 3 I2C Validation.pdf

**Attachment 2: Type:** Qualification Results Summary

ADI\_PCN\_18\_0051\_Rev\_-\_ADXL372 ASIC Rev Qualification 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

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**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (2)**

ADXL372 / ADXL372BCCZ-RL

ADXL372 / ADXL372BCCZ-RL7

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	20-Jul-2018	22-Oct-2018	Initial Release.

Analog Devices, Inc.

DocId:4388 Parent DocId:None Layout Rev:7