



## Product/Process Change Notice - PCN 21\_0236 Rev. -

Analog Devices, Inc. One Analog Way, Wilmington, MA 01887

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:** ADAU1850 Addition of an Alternate Test Site + Die and Data Sheet Revision

**Publication Date:** 07-Feb-2022

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

**Revision Description:**

Initial Release.

**Description Of Change:**

Die Changes:

1. Enhanced ADC THD+N in single input mode.
2. Added internal ring oscillator block.

Data Sheet Changes:

1. Changed single-ended line input and PGA input performance in analog performance specification.
2. Add ring oscillator performance.
3. Add ring oscillator function in features.

Test Site Change:

Add from UTAC Singapore(UT1) to JCET, China(JC3).

**Reason For Change:**

Die Changes:

1. To improve ADC performance in single input mode.
2. To be applicable to case without external 24.576MHz clock as system clock.

Data Sheet Changes:

1. To update enhanced single-ended line input and PGA input performance.
2. To add ring oscillator performance.
3. To add ring oscillator function.

Test Change:

Add new source for capacity.

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

No change to fit, form, or reliability. Improved functionality.

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

Chip REV ID register will be updated from 0x01 to 0x02.

**Summary of Supporting Information:**

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary.

Test correlation and validation has been performed per ADI's standard product site to site and/or platform change correlation procedure. See attached Test Qualification Report.

Product Data Sheet revision Rev0 to Rev1. See attached Specification Comparison

**Supporting Documents**

**Attachment 1: Type:** Revised Datasheet Specification

ADI\_PCN\_21\_0236\_Rev\_-\_ADAU1850 Data Sheet Rev0 to Rev1 Specification Comparison.pdf

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**Attachment 2: Type:** Test Correlation Report

ADI\_PCN\_21\_0236\_Rev\_-\_ADAU1850 TEST QUALIFICATION REPORT.pdf

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**Attachment 3: Type:** Qualification Results Summary

ADI\_PCN\_21\_0236\_Rev\_-\_ADAU1850 Reliability Report.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**

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

ADAU1850 / ADAU1850-W

ADAU1850 / ADAU1850BCBZRL

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	07-Feb-2022	12-May-2022	Initial Release.

Analog Devices, Inc.

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