



## Product/Process Change Notice - PCN 22\_0082 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:** LTC2977 Datasheet Limit Change

**Publication Date:** 02-May-2022

**Effectivity Date:** 04-Aug-2022 *(the earliest date that a customer could expect to receive changed material)*

**Revision Description:**

Initial Release

**Description Of Change:**

Please be advised that Analog Devices has made changes to the LTC2977 product datasheet to facilitate improvement in manufacturing capability. The changes are shown on the attached pages of the marked-up datasheet.

Electrical Characteristics table changes (pages 5 and 7 of datasheet):

1. Offset Error at condition: Current Sense Mode, Odd Numbered Channels Only maximum spec limit changed from +/-35uV to +/-100uV.
2. Output Sinking Current at condition: Weak Pull-Down Enabled minimum spec limit changed from 33uA to 28uA. Typical value changed from 50uA to 43uA.
3. Output Sinking Current at condition: Strong Pulldown Enabled temperature condition changed from Tri-temperature to Room temperature only. Also, remove the minimum and maximum specification.

**Reason For Change:**

To facilitate improvement in manufacturing capability.

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

This datasheet change does not impact the fit, form, function, or reliability of the LTC2977.

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

Product shipped after effectivity date will be tested to the new limits.

Can be identified with date code and lot traceability identification.

**Summary of Supporting Information:**

Changes will be reflected on the new product datasheet. See changes on Electrical Characteristics table on page 5 and 7.

**Supporting Documents**

**Attachment 1: Type:** Datasheet Specification Comparison

ADI\_PCN\_22\_0082\_Rev\_-\_LTC2977\_Datasheet\_Marked-up\_Pages.pdf

**Attachment 2: Type:** Delta Qualification Matrix

ADI\_PCN\_22\_0082\_Rev\_-\_LTC2977\_Datasheet\_Limit\_Changes\_PCN-Delta-Qualification-Matrix-ZVEI-5\_0\_9.xlsm

**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 (8)**

LTC2977 / LTC2977CUP#PBF	LTC2977 / LTC2977CUP#TRMPBF	LTC2977 / LTC2977CUP#TRPBF	LTC2977 / LTC2977IUP#PBF	LTC2977 / LTC2977IUP#TRMPBF
LTC2977 / LTC2977IUP#TRPBF	LTC2977 / LTC2977IUP#WPBF	LTC2977 / LTC2977IUP#WTRPBF		

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	02-May-2022	04-Aug-2022	Initial Release

Analog Devices, Inc.

DocId:8863 Parent DocId:None Layout Rev:8