



## Product/Process Change Notice - PCN 19\_0085 Rev. -

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.

**PCN Title:** Notification of Change to LTC2975  
**Publication Date:** 29-Apr-2019  
**Effectivity Date:** 01-Aug-2019 *(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, Inc., has made improvements to the LTC2975 product die to add error correction code (ECC) to the on-chip EEPROM and fix some minor errata.

ECC was added to the non-volatile memory to enhance its reliability. This change is transparent to the user and requires no modifications to programming files or system firmware.

Minor errata and enhancements were also addressed in the new silicon:

- The servo DAC voltage buffer layout was modified to improve offset and improve yield.
- The package mold compound was converted to a low alpha version of the same material. This continual improvement effort reduces the chance of soft errors occurring in the RAM.
- Added read-only command MFR\_INFO and command MFR\_CLEAR\_ENERGY
- Modified the via layers in the metal pad stack to support other potential package options
- Fixed some minor errata most customers will not encounter. Contact factory for more detail.

### Reason For Change:

ECC was added to the non-volatile memory to enhance its reliability. The package mold compound was converted to a low alpha version of the same material. This continual improvement effort reduces the chance of soft errors occurring in the RAM.

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

This change is transparent to the user and requires no modifications to programming files or system firmware. Product specifications are unaffected.

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

The new silicon can be identified with the MFR\_SPECIAL\_ID PMBus register value of 0x0226.

### Summary of Supporting Information:

Qualification has been performed per industry standard test methods. See attached qualification test results.

### Supporting Documents

**Attachment 1: Type:** Qualification Results Summary

ADI\_PCN\_19\_0085\_Rev\_-\_Qualification Results Summary - G770SHC Low Alpha MC at UTAC.pdf

**Attachment 2: Type:** Datasheet Specification Comparison

ADI\_PCN\_19\_0085\_Rev\_-\_2975fa\_redline.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 (4)**

LTC2975 / LTC2975CUP#PBF	LTC2975 / LTC2975CUP#TRPBF	LTC2975 / LTC2975IUP#PBF	LTC2975 / LTC2975IUP#TRPBF	
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**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	29-Apr-2019	01-Aug-2019	Initial Release.

Analog Devices, Inc.

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