



Product/Process Change Notice - PCN 22_0301 Rev. -

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

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:	LTC4013 Die Revision
Publication Date:	20-Feb-2023
Effectivity Date:	25-May-2023 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release

Description Of Change:

Analog Devices, Inc. has made a minor change to the LTC4013 die to optimize device performance in dropout operation. The refresh pulse has been changed to be synchronous with the PWM clock (previously asynchronous).

Reason For Change:

Optimize device performance.

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

No impact to fit, form or reliability.

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

The parts that assembled with the new die will be identified by the date code.

Summary of Supporting Information:

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

Supporting Documents

Attachment 1: Type: Qualification Results Summary

[ADI_PCN_22_0301_Rev_-LTC4013_Qual_summary_table_for_PCN.pdf..](#)

Note: If applicable, the device material declaration will be updated due to material change.

ADI Contact Information:

For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.

Americas:	Europe:	Japan:	Rest of Asia:
PCN_Americas@analog.com	PCN_Europe@analog.com	PCN_Japan@analog.com	PCN_ROA@analog.com

Appendix A - Affected ADI Models:

Added Parts On This Revision - Product Family / Model Number (4)

LTC4013 / LTC4013EUFDF#PBF

LTC4013 / LTC4013EUFDF#TRPBF

LTC4013 / LTC4013IUFDF#PBF

LTC4013 / LTC4013IUFDF#TRPBF

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	20-Feb-2023	25-May-2023	Initial Release

Qualification Results Summary: LTC4013 Die Revision

TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
Latch-Up	JEDEC <i>JESD78</i>	6	Pass $\pm 200\text{mA}$
Electrostatic Discharge <i>Human Body Model</i>	ESDA/JEDEC <i>JS-001</i>	3/voltage	Pass $\pm 3000\text{V}$
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass $\pm 2000\text{V}$