



Product/Process Change Notice - PCN 20_0219 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: LT3922-1 Die Revision

Publication Date: 02-Sep-2020

Effectivity Date: 05-Dec-2020 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change:

Analog Devices Corporation has made a minor change to the LT3922-1 die to enhance device performance. The performance enhancement improves upon protection against electrically induced physical damage (EIPD) by shorting out a resistor near the top gate driver circuitry with metal on the die.

Reason For Change:

Abnormal switching behavior was observed on the units from a previous wafer fabrication site, Hillview. It was determined to have been caused by a damaged thin-film resistor. Further internal investigation suggests the cause of this damage was due to EIPD from electrical overstress. While this was never observed in material from the current wafer fabrication site Vanguard, Analog Devices has taken the aforementioned preemptive steps to ensure die robustness and reliability.

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

This change does not impact fit, form, function nor reliability.

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

The parts that will be assembled with new die will be identified by Date Code.

Summary of Supporting Information:

Qualification has been performed per AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Qualification results.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_20_0219_Rev_-_LTC3922-1_QualificationResultsSummary.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 (6)

LT3922-1 / LT3922EUF-1#PBF	LT3922-1 / LT3922EUF-1#TRPBF	LT3922-1 / LT3922HUF-1#PBF	LT3922-1 / LT3922HUF-1#TRPBF	LT3922-1 / LT3922IUF-1#PBF
LT3922-1 / LT3922IUF-1#TRPBF				

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	02-Sep-2020	05-Dec-2020	Initial Release

Analog Devices, Inc.

DocId:8200 Parent DocId:None Layout Rev:7