



Product/Process Change Notice - PCN 21_0260 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: LTC7150S Material Set Change

Publication Date: 09-Mar-2022

Effectivity Date: 11-Jun-2022 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change:

The material set for LTC7150S has been updated to:

New Flip Chip Substrate: PMS0231AS02E04, Daeduck 84SPP03859B

New SMD Attach Material: Heraeus F541 SAC305 Type 5

Reason For Change:

The substrate improvement is driven to improve the observed cracks on corner substrate trace post 10xreflow.

To improve manufacturability, quality, and reliability.

The change was initiated as part of ADI's Continuous Quality Improvement efforts.

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

The change does not affect existing applications for this device.

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

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

Summary of Supporting Information:

The qualification has been performed per QP18922, stress test qualification for integrated circuits, see attached qualification results summary.

Comments

The material set changes were qualified through rigorous engineering evaluation. In addition, the product successfully completed Temp Cycle 1000 Hours testing.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_21_0260_Rev_-_LTC7150S Summary of Rel. 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:
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Rest of Asia:
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Appendix A - Affected ADI Models

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

LTC7150S / LTC7150SEY#PBF

LTC7150S / LTC7150SIY#PBF

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	09-Mar-2022	11-Jun-2022	Initial Release

Analog Devices, Inc.

DocId:8743 Parent DocId:None Layout Rev:8