



Product/Process Change Notice - PCN 19_0168 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: Notification of qualification of a new mold compound for the LTM4650, LTM4650A, LTM4650A-1 μ Module Regulator

Publication Date: 25-Jul-2019

Effectivity Date: 27-Oct-2019 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:
Initial Release

Description Of Change:

A new mold compound has been qualified in LTM4650, LTM4650A, and LTM4650A-1 which is the next generation mold compound going forward. The new mold compound uses fine filler and facilitates the filling of tighter spaces.

Reason For Change:

Higher density component assembly in a μ Module substrate requires mold filling in tighter spaces between and underneath components. The new mold compound facilitates this task which also improves assembly yield.

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

The change is transparent in customer applications since there is no change in form, fit, function, quality or reliability of the products. The product datasheet is unchanged.

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

Production shipment of the product incorporating the new material will begin no sooner than effective date.

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_19_0168_Rev_-_G311 Reliability data.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 (16)**

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|-------------------------------|----------------------------|-------------------------------|---------------------------|----------------------------------|
| LTM4650 / LTM4650EY#PBF | LTM4650 / LTM4650EY#PBF-ES | LTM4650 / LTM4650Y | LTM4650 / LTM4650Y#PBF | LTM4650 / LTM4650Y#PBF-ES |
| LTM4650 / LTM4650MPY | LTM4650 / LTM4650MPY#PBF | LTM4650A / LTM4650AEV#PBF | LTM4650A / LTM4650AEY#PBF | LTM4650A / LTM4650AV#PBF |
| LTM4650A / LTM4650AIY | LTM4650A / LTM4650AIY#PBF | LTM4650A-1 / LTM4650AEY-1#PBF | LTM4650A-1 / LTM4650AIY-1 | LTM4650A-1 / LTM4650AIY-1#3NSPBF |
| LTM4650A-1 / LTM4650AIY-1#PBF | | | | |

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|------------------------|
| Rev. - | 25-Jul-2019 | 27-Oct-2019 | Initial Release |

Analog Devices, Inc.

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