



Product/Process Change Notice - PCN 23_0224 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:	Qualification of SMT Attach Material and Die Thickness Update For LTC3312S
Publication Date:	15-Nov-2023
Effectivity Date:	17-Feb-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release.

Description Of Change:

- Die thickness updated from 450um to 200um.
- Change passive component attach material from SnSb5 to SAC305.

Reason For Change:

Improve the manufacturability.

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

No impact on form, fit, or function. Improves reliability.

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

The Date Code will be provided to the customer upon implementation.

Summary of Supporting Information:

Qualification performed per AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Qualification Result Summary

Supporting Documents

Attachment 1: Type: Delta Qualification Matrix

[ADI_PCN_23_0224_Rev_-_LTC3312S_Delta-Qualification-Matrix-ZVEI.xlsm...](#)

Attachment 2: Type: Qualification Results Summary

[ADI_PCN_23_0224_Rev_-_LTC3312S-Release_report.pdf...](#)

Attachment 3: Type: Other

[ADI_PCN_23_0224_Rev_-_Thermal_Analysis_LTC3312S.xlsx...](#)

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 (2)

LTC3312S / LTC3312SAAV#PBF

LTC3312S / LTC3312SAJV#W/PBF

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	15-Nov-2023	17-Feb-2024	Initial Release.