



Product/Process Change Notice - PCN 23_0287 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 on SMT Paste, and Die Thickness Change for LT8648S
Publication Date:	06-Mar-2024
Effectivity Date:	08-Jun-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release

Description Of Change:

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

Reason For Change:

Improve the manufacturability and add substrate supplier.

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

There is no change on fit, form, function, and reliability of the products.

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 the effective date.

Summary of Supporting Information:

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

Supporting Documents

Attachment 1: Type: Qualification Results Summary

[ADI_PCN_23_0287_Rev_-LT8648S_Reliability_Report.pdf...](#)

Attachment 2: Type: Delta Qualification Matrix

[ADI_PCN_23_0287_Rev_-PCN-Delta-Qualification-Matrix-ZVEI-5_0_14_1.xls...](#)

Attachment 3: Type: Other

[ADI_PCN_23_0287_Rev_-Thermal_analysis_summary_LT8648S_20240117.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:	Korea:	Rest of Asia:
PCN_Americas@analog.com	PCN_Europe@analog.com	PCN_Japan@analog.com	PCN_Korea@analog.com	PCN_ROA@analog.com

Appendix A - Affected ADI Models:

Added Parts On This Revision - Product Family / Model Number (12)

LT8648S / LT8648SEV#PBF	LT8648S / LT8648SEV#TRPBF	LT8648S / LT8648SEV#WPBF	LT8648S / LT8648SEV#WTRPBF	LT8648S / LT8648SHV#PBF
LT8648S / LT8648SHV#TRPBF	LT8648S / LT8648SHV#WPBF	LT8648S / LT8648SHV#WTRPBF	LT8648S / LT8648SJV#PBF	LT8648S / LT8648SJV#TRPBF
LT8648S / LT8648SJV#WPBF	LT8648S / LT8648SJV#WTRPBF			

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	06-Mar-2024	08-Jun-2024	Initial Release