



## Product/Process Change Notice - PCN 23\_0287 Rev. -

Analog Devices, Inc. One Analog Way, Wilmington, MA 01887, USA

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.

<b>PCN Title:</b>	Notification of Qualification on SMT Paste, and Die Thickness Change for LT8648S
<b>Publication Date:</b>	06-Mar-2024
<b>Effectivity Date:</b>	08-Jun-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
<b>Revision Description:</b>	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 / LT8648SJ#PBF	LT8648S / LT8648SJ#TRPBF
LT8648S / LT8648SJ#WPBF	LT8648S / LT8648SJ#WTRPBF			

**Appendix B - Revision History:**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	06-Mar-2024	08-Jun-2024	Initial Release