



## Product/Process Change Notice - PCN 25\_0198 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. An acceptance or concern response should be submitted to ADI promptly. Any requests for samples of changed material or additional information must be made within 30 days of the notification. In accordance with JEDEC Standard 046, customers should acknowledge receipt of the PCN within 30 days of the PCN delivery. ADI contact information is listed below. Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

**Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change. After the acknowledgment, a lack of additional requests within 90 days constitutes acceptance of the change.**

<b>PCN Title:</b>	LTC6431-20 Data Sheet Revision
<b>Publication Date:</b>	14-Jul-2025
<b>Effectivity Date:</b>	16-Oct-2025 <i>(the earliest date that a customer could expect to receive changed material)</i>
<b>Revision Description:</b>	Initial Release.

### Description Of Change:

Data sheet revisions to temperature rating from 85°C to 105°C. Changes include an updated temperature range, thermal resistance (Theta JC), footnotes, and specific TPCs now featuring 105°C plots. See attached detailed change in the Supporting Document section of this PCN.

### Reason For Change:

Improve product robustness for applications up to 105C.

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

No impact on fit, form and reliability. Positive impact on function as temperature range is now extended up to 105C.

### Summary of Supporting Information:

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

### Supporting Documents:

**Attachment 1: Type:** Detailed Change Description

ADI\_PCN\_25\_0198\_Rev\_-\_LTC6431-20 Datasheet Changes RevA.pdf

**Attachment 2: Type:** Qualification Results Summary

ADI\_PCN\_25\_0198\_Rev\_-\_LTC6431-20\_Reliability Qualification Report.pdf

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.

<b>Americas:</b>	<b>Europe:</b>	<b>Japan:</b>	<b>Korea:</b>	<b>Rest of Asia:</b>
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 (4)

LTC6431-20 / LTC6431AIUF-20#PBF

LTC6431-20 / LTC6431AIUF-20#TRPBF

LTC6431-20 / LTC6431BIUF-20#PBF

LTC6431-20 / LTC6431BIUF-20#TRPBF

**Appendix B - Revision History:**

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	14-Jul-2025	16-Oct-2025	Initial Release.