



Product/Process Change Notice - PCN 23_0146 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:	Process Revision for Select Low Noise Amplifier Products
Publication Date:	28-Sep-2023
Effectivity Date:	31-Dec-2023 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release.

Description Of Change:

Change in wafer fabrication to remove final Silicon Nitride.

Reason For Change:

To tighten up transistor parameter distributions and improve performance uniformity.

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

The device fit, form, function, and reliability as specified by Product Data Sheets will be unaffected by this change.

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

New material will be identified by date code.

Summary of Supporting Information:

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

Supporting Documents

Attachment 1: Type: Qualification Results Summary

[ADI_PCN_23_0146_Rev_-Qualification_Results.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.

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 (43)

ADL8100 / ADL8100ACPZN	ADL8100 / ADL8100ACPZN-R7	ADL8102 / ADL8102ACPZN	ADL8102 / ADL8102ACPZN-R7	ADL8104 / ADL8104ACPZN
ADL8104 / ADL8104ACPZN-R7	ADL8105 / ADL8105ACPZN	ADL8105 / ADL8105ACPZN-R7	ADL8107 / ADL8107ACPZN	ADL8107 / ADL8107ACPZN-R7
ADL8111 / ADL8111ACCZN	ADL8111 / ADL8111ACCZN-R7	ADL8112 / ADL8112ACCZ	ADL8112 / ADL8112ACCZ-R7	ADL8121 / ADL8121ACPZN
ADL8121 / ADL8121ACPZN-R7	ADL8141 / ADL8141ACPZN	ADL8141 / ADL8141ACPZN-R7	ADL8142 / ADL8142ACPZN	ADL8142 / ADL8142ACPZN-R7
ADL8142-2 / ADL8142-2C-CSL	ADL8142-2 / ADL8142-2C-SX	ADL8142-2 / ADL8142-2CHIP	ADL9005 / ADL9005ACPZN	ADL9005 / ADL9005ACPZN-R7
HMC8411 / AD45294	HMC8411 / AD45294TR	HMC8411 / HMC8411LP2FE	HMC8411 / HMC8411LP2FETR	HMC8411 / HMC8411TCPZ-EP-PT
HMC8411 / HMC8411TCPZ-EP-R7	HMC8412 / HMC8412CHIPS	HMC8412 / HMC8412CHIPS-SX	HMC8412 / HMC8412LP2FE	HMC8412 / HMC8412LP2FETR
HMC8412 / HMC8412TCPZ-EP-PT	HMC8412 / HMC8412TCPZ-EP-R7	HMC8413 / AD45299	HMC8413 / AD45299TR	HMC8413 / HMC8413LP2FE
HMC8413 / HMC8413LP2FE-CSL	HMC8413 / HMC8413LP2FETR	HMC8413 / HMC8413LP2FETR-CSL		

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	28-Sep-2023	31-Dec-2023	Initial Release.