



Product/Process Change Notice - PCN 23_0178 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.

PCN Title:	Bond Wire Conversion from Gold to Copper for ADSP-2156x Processors
Publication Date:	06-Nov-2023
Effectivity Date:	08-Feb-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release.

Description Of Change:

Change of bond wire material from Gold (Au) to Copper (Cu) for select LQFP and BGA products. Bond wire thickness remains 0.8 mil with no change.

Reason For Change:

Adding capacity to ensure continuity of supply in order to meet customer demand.

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

There is no change to form, fit, functionality or reliability.

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

Change will be differentiated by date code.

Summary of Supporting Information:

Qualification was performed per AEC-Q100, Stress Test Qualification for Integrated Circuits. Product Qualification report is attached.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

[ADI_PCN_23_0178_Rev - BGA_Qualification_Report.pdf...](#)

Attachment 2: Type: Qualification Results Summary

[ADI_PCN_23_0178_Rev - LQFP_Qualification_Report.pdf...](#)

Attachment 3: Type: Datasheet Specification Comparison

[ADI_PCN_23_0178_Rev - Bond_wire_comparison.pdf...](#)

Attachment 4: Type: Delta Qualification Matrix

[ADI_PCN_23_0178_Rev - Delta-Qualification-Matrix-ZVEI-5_0_16.xlsm...](#)

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:

Appendix A - Affected ADI Models:

Added Parts On This Revision - Product Family / Model Number (42)

ADSP-21562 / ADSP-21562BSWZ4	ADSP-21562 / ADSP-21562KSWZ4	ADSP-21562W / ADSP-21562WCSWZ4	ADSP-21562W / ADSP-21562WCSWZ4RL	ADSP-21562W / ADSW-ALEAS21562ROY
ADSP-21563 / ADSP-21563BSWZ8	ADSP-21563 / ADSP-21563KSWZ8	ADSP-21563-D / ADSP-21563KSWZ8D1	ADSP-21563W / ADSP-21563WCSWZ6	ADSP-21563W / ADSP-21563WCSWZ6RL
ADSP-21563W / ADSP-21563WCSWZ8	ADSP-21563W / ADSP-21563WCSWZ8RL	ADSP-21565 / ADSP-21565BSWZ10	ADSP-21565 / ADSP-21565BSWZ8	ADSP-21565 / ADSP-21565KSWZ10
ADSP-21565 / ADSP-21565KSWZ8	ADSP-21565W / ADSP-21565WCSWZ10	ADSP-21565W / ADSP-21565WCSWZ8	ADSP-21565W / ADSP-21565WCSWZ8RL	ADSP-21566 / ADSP-21566BBCZ4
ADSP-21566 / ADSP-21566KBCZ4	ADSP-21566W / ADSP-21566WCBCZ4	ADSP-21566W / ADSP-21566WCBCZ4RL	ADSP-21567 / ADSP-21567BBCZ6	ADSP-21567 / ADSP-21567BBCZ8
ADSP-21567 / ADSP-21567KBCZ8	ADSP-21567W / ADSP-21567WCBCZ6	ADSP-21567W / ADSP-21567WCBCZ6RL	ADSP-21567W / ADSP-21567WCBCZ8	ADSP-21567W / ADSP-21567WCBCZ8RL
ADSP-21569 / ADSP-21569BBCZ10	ADSP-21569 / ADSP-21569BBCZ8	ADSP-21569 / ADSP-21569KBCZ10	ADSP-21569 / ADSP-21569KBCZ8	ADSP-21569-D / ADSP-21569KBCZ10D1
ADSP-21569-D / ADSP-21569KBCZ10D2	ADSP-21569-D / ADSP-21569KBCZ10D4	ADSP-21569-D / ADSP-21569KBCZ10D6	ADSP-21569-D / ADSP-21569KBCZ8D1	ADSP-21569W / ADSP-21569WCBCZ10
ADSP-21569W / ADSP-21569WCBCZ8	ADSP-21569W / ADSP-21569WCBCZ8RL			

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	06-Nov-2023	08-Feb-2024	Initial Release.