



## Product/Process Change Notice - PCN 23\_0178 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.

<b>PCN Title:</b>	Bond Wire Conversion from Gold to Copper for ADSP-2156x Processors
<b>Publication Date:</b>	06-Nov-2023
<b>Effectivity Date:</b>	08-Feb-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 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:**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	06-Nov-2023	08-Feb-2024	Initial Release.