



## Product/Process Change Notice - PCN 22\_0192 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:** Qualification of an Alternate Adhesive Material and Molding Compound for Select LFCSP Packages

**Publication Date:** 08-Aug-2022

**Effectivity Date:** 10-Nov-2022 *(the earliest date that a customer could expect to receive changed material)*

**Revision Description:**  
Initial Release.

### Description Of Change:

Qualification of an alternative adhesive material and molding compound for select LFCSP packages (smaller than 3x3).

1. For Ag-plating lead frame, new adhesive material: Hitachi EN4900 GC; new mold compound: Sumitomo G700LA.
2. For NiPdAu-plating lead frame, new mold compound: Hitachi CEL 9240HF10.

No change on package outline dimension.

### Reason For Change:

Additional adhesive material and molding compound for increased capability.

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

The devices' fit, form, function or reliability as specified by the product data sheet will be unaffected by these changes. The Lead Foot Print Dimension will remain the same for LFCSP packages.

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

Date Code and Lot number will be used for product identification.

### Summary of Supporting Information:

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

### Supporting Documents

**Attachment 1: Type:** Qualification Results Summary

ADI\_PCN\_22\_0192\_Rev\_-\_Qualification Report (2x2).pdf

**Attachment 2: Type:** Detailed Change Description

ADI\_PCN\_22\_0192\_Rev\_-\_Detailed Change Description.pdf

**For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.**

**Americas:**  
PCN\_Americas@analog.com

**Europe:**  
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**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (161)**

|                               |                               |                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| AD5110 / AD5110BCPZ10-1-RL7   | AD5110 / AD5110BCPZ10-500R7   | AD5110 / AD5110BCPZ10-RL7     | AD5110 / AD5110BCPZ80-1-RL7   | AD5110 / AD5110BCPZ80-500R7   |
| AD5110 / AD5110BCPZ80-RL7     | AD5111 / AD5111BCPZ10-500R7   | AD5111 / AD5111BCPZ10-RL7     | AD5111 / AD5111BCPZ80-500R7   | AD5111 / AD5111BCPZ80-RL7     |
| AD5112 / AD5112BCPZ10-1-RL7   | AD5112 / AD5112BCPZ10-500R7   | AD5112 / AD5112BCPZ10-RL7     | AD5112 / AD5112BCPZ5-1-RL7    | AD5112 / AD5112BCPZ5-500R7    |
| AD5112 / AD5112BCPZ5-RL7      | AD5112 / AD5112BCPZ80-1-RL7   | AD5112 / AD5112BCPZ80-500R7   | AD5112 / AD5112BCPZ80-RL7     | AD5113 / AD5113BCPZ10-500R7   |
| AD5113 / AD5113BCPZ10-RL7     | AD5113 / AD5113BCPZ5-500R7    | AD5113 / AD5113BCPZ5-RL7      | AD5113 / AD5113BCPZ80-500R7   | AD5113 / AD5113BCPZ80-RL7     |
| AD5114 / AD5114BCPZ10-1-RL7   | AD5114 / AD5114BCPZ10-500R7   | AD5114 / AD5114BCPZ10-RL7     | AD5114 / AD5114BCPZ80-1-RL7   | AD5114 / AD5114BCPZ80-500R7   |
| AD5114 / AD5114BCPZ80-RL7     | AD5115 / AD5115BCPZ10-500R7   | AD5115 / AD5115BCPZ10-RL7     | AD5115 / AD5115BCPZ80-500R7   | AD5115 / AD5115BCPZ80-RL7     |
| AD5116 / AD5116BCPZ10-500R7   | AD5116 / AD5116BCPZ10-RL7     | AD5116 / AD5116BCPZ5-500R7    | AD5116 / AD5116BCPZ5-RL7      | AD5116 / AD5116BCPZ80-500R7   |
| AD5116 / AD5116BCPZ80-RL7     | AD5601 / AD5601BCPZ-RL7       | AD5611 / AD5611ACPZ-RL7       | AD5612 / AD5612ACPZ-2-RL7     | AD5621 / AD5621ACPZ-RL7       |
| AD5681R / AD5681RBCPZ-1RL7    | AD5681R / AD5681RBCPZ-RL7     | AD5682R / AD5682RBCPZ-RL7     | AD5683 / AD5683BCPZ-RL7       | AD5683R / AD5683RACPZ-1RL7    |
| AD5683R / AD5683RACPZ-2RL7    | AD5683R / AD5683RACPZ-RL7     | AD5683R / AD5683RBCPZ-1RL7    | AD5683R / AD5683RBCPZ-RL7     | AD5691R / AD5691RACPZ-1RL7    |
| AD5691R / AD5691RBCPZ-RL7     | AD5692R / AD5692RACPZ-RL7     | AD5693 / AD5693BCPZ-RL7       | AD5693R / AD5693RACPZ-1RL7    | AD5693R / AD5693RACPZ-RL7     |
| AD5693R / AD5693RBCPZ-2RL7    | AD7091 / AD7091BCPZ-RL        | AD7091 / AD7091BCPZ-RL7       | AD7091R / AD7091RBCPZ-RL      | AD7091R / AD7091RBCPZ-RL7     |
| AD8218 / AD8218BCPZ-RL        | AD8218 / AD8218BCPZ-WP        | ADA4096-2 / ADA4096-2ACPZ-R7  | ADA4096-2 / ADA4096-2ACPZ-RL  | ADA4800 / ADA4800ACPZ-R7      |
| ADA4800 / ADA4800ACPZ-RL      | ADG1401 / ADG1401BCPZ-REEL7   | ADG1419 / ADG1419BCPZ-REEL7   | ADG721 / ADG721ACPZ-REEL7     | ADL5903 / ADL5903ACPZ-N-R7    |
| ADL5903 / ADL5903SCPZ-N-R7    | ADL6010 / ADL6010SCPZ-N       | ADL6010 / ADL6010SCPZ-N-R2    | ADL6010 / ADL6010SCPZ-N-R7    | ADL6010S / HMC8498            |
| ADM7160 / ADM7160ACPZ-N1.8-R2 | ADM7160 / ADM7160ACPZ-N1.8-R7 | ADM7160 / ADM7160ACPZ-N2.5-R2 | ADM7160 / ADM7160ACPZ-N2.5-R7 | ADM7160 / ADM7160ACPZ-N3.3-R2 |
| ADM7160 / ADM7160ACPZ-N3.3-R7 | ADP122 / ADP122ACPZ-1.8-R7    | ADP122 / ADP122ACPZ-3.0-R7    | ADP122 / ADP122ACPZ-3.3-R7    | ADP123 / ADP123ACPZ-R7        |
| ADP124 / ADP124ACPZ-1.8-R7    | ADP124 / ADP124ACPZ-2.8-R7    | ADP124 / ADP124ACPZ-2.9-R7    | ADP124 / ADP124ACPZ-3.0-R7    | ADP124 / ADP124ACPZ-3.3-R7    |
| ADP125 / ADP125ACPZ-R7        | ADP151 / ADP151ACPZ-1.2-R7    | ADP151 / ADP151ACPZ-1.5-R7    | ADP151 / ADP151ACPZ-1.8-R7    | ADP151 / ADP151ACPZ-2.5-R7    |
| ADP151 / ADP151ACPZ-2.7-R7    | ADP151 / ADP151ACPZ-2.8-R7    | ADP151 / ADP151ACPZ-3.0-R7    | ADP151 / ADP151ACPZ-3.3-R7    | ADP1606 / ADP1606ACPZ-N1.8-R7 |
| ADP1607 / ADP1607ACPZ-N-R7    | ADP1607 / ADP1607ACPZ-N001-R7 | ADP165 / ADP165ACPZ-N1.2-R7   | ADP165 / ADP165ACPZ-N1.8-R7   | ADP165 / ADP165ACPZ-N2.3-R7   |
| ADP165 / ADP165ACPZ-N3.0-R7   | ADP165 / ADP165ACPZ-N3.3-R7   | ADP165 / ADP165ACPZ-N-R7      | ADP166 / ADP166ACPZ-N1.2-R7   | ADP166 / ADP166ACPZ-N1.8-R7   |
| ADP166 / ADP166ACPZ-N2.3-R7   | ADP166 / ADP166ACPZ-N3.0-R7   | ADP166 / ADP166ACPZ-N3.3-R7   | ADP166 / ADP166ACPZ-N-R7      | ADP195 / ADP195ACPZ-R7        |
| ADP196 / ADP196ACPZ-N01-R7    | ADP196 / ADP196ACPZ-N-R7      | ADP197 / ADP197ACPZ-N01-R7    | ADP197 / ADP197ACPZ-N02-R7    | ADP198 / ADP198ACPZ-R7        |
| ADP222 / ADP222ACPZ-1218-R7   | ADP222 / ADP222ACPZ-1228-R7   | ADP222 / ADP222ACPZ-1233-R7   | ADP222 / ADP222ACPZ-1528-R7   | ADP222 / ADP222ACPZ-1533-R7   |
| ADP222 / ADP222ACPZ-1815-R7   | ADP222 / ADP222ACPZ-1825-R7   | ADP222 / ADP222ACPZ-1827-R7   | ADP222 / ADP222ACPZ-1833-R7   | ADP222 / ADP222ACPZ-2725-R7   |
| ADP222 / ADP222ACPZ-2818-R7   | ADP222 / ADP222ACPZ-2827-R7   | ADP222 / ADP222ACPZ-3325-R7   | ADP222 / ADP222ACPZ-3328-R7   | ADP222 / ADP222ACPZ-3330-R7   |
| ADP223 / ADP223ACPZ-R7        | ADP224 / ADP224ACPZ-2818-R7   | ADP225 / ADP225ACPZ-R7        | ADP7118 / ADP7118ACPZ-N-R7    | ADP7118 / ADP7118ACPZ-N1.8-R7 |
| ADP7118 / ADP7118ACPZ-N2.5-R7 | ADP7118 / ADP7118ACPZ-N3.3-R7 | ADP7118 / ADP7118ACPZ-N5.0-R7 | ADP7142 / ADP7142ACPZ-N-R7    | ADP7142 / ADP7142ACPZ-N1.8-R7 |
| ADP7142 / ADP7142ACPZ-N2.5-R7 | ADP7142 / ADP7142ACPZ-N3.3-R7 | ADP7142 / ADP7142ACPZ-N3.8-R7 | ADP7142 / ADP7142ACPZ-N5.0-R7 | ADP7182 / ADP7182ACPZ-N1.2R7  |
| ADP7182 / ADP7182ACPZ-N1.5R7  | ADP7182 / ADP7182ACPZ-N2.5R7  | ADP7182 / ADP7182ACPZ-N5.0R7  | ADP7182 / ADP7182ACPZ-N-R7    | ADPD2210 / ADPD2210ACPZ-R7    |
| ADPD2210 / ADPD2210ACPZ-RL    |                               |                               |                               |                               |

**Appendix B - Revision History**

| <b>Rev</b> | <b>Publish Date</b> | <b>Effectivity Date</b> | <b>Rev Description</b> |
|------------|---------------------|-------------------------|------------------------|
| Rev. -     | 08-Aug-2022         | 10-Nov-2022             | Initial Release.       |
|            |                     |                         |                        |

Analog Devices, Inc.

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