



## Product/Process Change Notice - PCN 24\_0004 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.

<b>PCN Title:</b>	Epoxy Change from Henkel 8290 to 8290A for MSOP (3)
<b>Publication Date:</b>	05-Jun-2024
<b>Effectivity Date:</b>	05-Jun-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
<b>Revision Description:</b>	Initial Release.

### Description Of Change:

Epoxy formulation change from Henkel 8290 to Henkel 8290A.

### Reason For Change:

8290A is a more robust epoxy with minimal outgassing due to its less volatile fluorocarbon content.

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

This change will not impact fit, form, function while improving the reliability of the products.

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

Implementation effectively on parts with date code 2242 onwards.

### 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\\_24\\_0004\\_Rev\\_-\\_Automotive\\_Qualification\\_Result\\_Summary\\_ABA3.pdf...](#)

**Attachment 2: Type:** Delta Qualification Matrix

[ADI\\_PCN\\_24\\_0004\\_Rev\\_-\\_PCN-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.

<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 (1,150)

LTC1403 / LTC1403CMSE#PBF	LTC1403 / LTC1403CMSE#TRPBF	LTC1403 / LTC1403HMSE#PBF	LTC1403 / LTC1403HMSE#TRPBF	LTC1403 / LTC1403IMSE#PBF
LTC1403 / LTC1403IMSE#TRPBF	LTC1403-1 / LTC1403CMSE-1#PBF	LTC1403-1 / LTC1403CMSE-1#TRPBF	LTC1403-1 / LTC1403IMSE-1#PBF	LTC1403-1 / LTC1403IMSE-1#TRPBF
LTC1403A / LTC1403ACMSE#PBF	LTC1403A / LTC1403ACMSE#TRPBF	LTC1403A / LTC1403AHMSE#PBF	LTC1403A / LTC1403AHMSE#TRPBF	LTC1403A / LTC1403AIMSE#PBF
LTC1403A / LTC1403AIMSE#TRPBF	LTC1403A-1 / LTC1403ACMSE-1#PBF	LTC1403A-1 / LTC1403ACMSE-1#TRPBF	LTC1403A-1 / LTC1403AIMSE-1#PBF	LTC1403A-1 / LTC1403AIMSE-1#TRPBF
LTC1407 / LTC1407ACMSE#PBF	LTC1407 / LTC1407ACMSE#TRPBF	LTC1407 / LTC1407AHMSE#PBF	LTC1407 / LTC1407AHMSE#TRPBF	LTC1407 / LTC1407AIMSE#PBF
LTC1407 / LTC1407AIMSE#TRPBF	LTC1407 / LTC1407CMSE#PBF	LTC1407 / LTC1407CMSE#TRPBF	LTC1407 / LTC1407HMSE#PBF	LTC1407 / LTC1407HMSE#TRPBF
LTC1407 / LTC1407IMSE#PBF	LTC1407 / LTC1407IMSE#TRPBF	LTC1407-1 / LTC1407ACMSE-1#PBF	LTC1407-1 / LTC1407ACMSE-1#TRPBF	LTC1407-1 / LTC1407AIMSE-1#PBF
LTC1407-1 / LTC1407AIMSE-1#TRPBF	LTC1407-1 / LTC1407CMSE-1#PBF	LTC1407-1 / LTC1407CMSE-1#TRPBF	LTC1407-1 / LTC1407IMSE-1#PBF	LTC1407-1 / LTC1407IMSE-1#TRPBF
LTC1440 / LTC1440CMS#PBF	LTC1440 / LTC1440CMS#TRPBF	LTC1440 / LTC1440IMS#PBF	LTC1440 / LTC1440IMS#TRPBF	LTC1474 / LTC1474CMS#PBF
LTC1474 / LTC1474CMS#TRPBF	LTC1474 / LTC1474CMS8-3.3#PBF	LTC1474 / LTC1474CMS8-3.3#TRPBF	LTC1474 / LTC1474CMS8-5#PBF	LTC1474 / LTC1474CMS8-5#TRPBF
LTC1475 / LTC1475CMS#PBF	LTC1475 / LTC1475CMS#TRPBF	LTC1475 / LTC1475CMS8-3.3#PBF	LTC1475 / LTC1475CMS8-3.3#TRPBF	LTC1475 / LTC1475CMS8-5#PBF
LTC1475 / LTC1475CMS8-5#TRPBF	LTC1482 / LTC1482CMS#PBF	LTC1482 / LTC1482CMS#TRPBF	LTC1502-3.3 / LTC1502CMS8-3.3#PBF	LTC1502-3.3 / LTC1502CMS8-3.3#TRPBF
LTC1503 / LTC1503CMS8-1.8#PBF	LTC1503 / LTC1503CMS8-1.8#TRPBF	LTC1503 / LTC1503CMS8-2#PBF	LTC1522 / LTC1522CMS#PBF	LTC1522 / LTC1522CMS#TRPBF
LTC1536 / LTC1536CMS#PBF	LTC1536 / LTC1536CMS#TRPBF	LTC1540 / LTC1540CMS#PBF	LTC1540 / LTC1540CMS#TRPBF	LTC1540 / LTC1540IMS#PBF
LTC1540 / LTC1540IMS#TRPBF	LTC1550L / LTC1550LIMS#PBF	LTC1550L / LTC1550LIMS#TRPBF	LTC1550L / LTC1550LIMS8-2#PBF	LTC1550L / LTC1550LIMS8-2#TRPBF
LTC1550L / LTC1550LIMS8-2.5#PBF	LTC1550L / LTC1550LIMS8-2.5#TRPBF	LTC1550L / LTC1550LIMS8-4.1#PBF	LTC1550L / LTC1550LIMS8-4.1#TRPBF	LTC1551L / LTC1551LIMS#PBF
LTC1551L / LTC1551LIMS#TRPBF	LTC1551L / LTC1551LIMS8-4.1#PBF	LTC1551L / LTC1551LIMS8-4.1#TRPBF	LTC1623 / LTC1623CMS#PBF	LTC1623 / LTC1623CMS#TRPBF
LTC1659 / LTC1659CMS#PBF	LTC1659 / LTC1659CMS#TRPBF	LTC1659 / LTC1659IMS#PBF	LTC1659 / LTC1659IMS#TRPBF	LTC1661 / LTC1661CMS#PBF
LTC1661 / LTC1661CMS#TRPBF	LTC1661 / LTC1661IMS#PBF	LTC1661 / LTC1661IMS#TRPBF	LTC1663 / LTC1663-8CMS#PBF	LTC1663 / LTC1663-8CMS#TRPBF
LTC1663 / LTC1663-8IMS#PBF	LTC1663 / LTC1663-8IMS#TRPBF	LTC1663 / LTC1663IMS#PBF	LTC1663 / LTC1663IMS#TRPBF	LTC1669 / LTC1669-8IMS#PBF
LTC1669 / LTC1669-8IMS#TRPBF	LTC1669 / LTC1669IMS#PBF	LTC1669 / LTC1669IMS#TRPBF	LTC1682 / LTC1682CMS#PBF	LTC1682 / LTC1682CMS#TRPBF
LTC1682 / LTC1682CMS8-3.3#PBF	LTC1682 / LTC1682CMS8-3.3#TRPBF	LTC1682 / LTC1682CMS8-5#PBF	LTC1682 / LTC1682CMS8-5#TRPBF	LTC1682 / LTC1682IMS#PBF
LTC1682 / LTC1682IMS#TRPBF	LTC1682 / LTC1682IMS8-3.3#PBF	LTC1682 / LTC1682IMS8-3.3#TRPBF	LTC1682 / LTC1682IMS8-5#PBF	LTC1682 / LTC1682IMS8-5#TRPBF
LTC1690 / LTC1690CMS#PBF	LTC1690 / LTC1690CMS#TRPBF	LTC1693 / LTC1693-3CMS#PBF	LTC1693 / LTC1693-3CMS#TRPBF	LTC1693-5 / LTC1693-5CMS#PBF
LTC1693-5 / LTC1693-5CMS#TRPBF	LTC1697 / LTC1697EMS#PBF	LTC1697 / LTC1697EMS#TRPBF	LTC1699 / LTC1699EMS8-80#PBF	LTC1699 / LTC1699EMS8-80#TRPBF
LTC1699 / LTC1699EMS8-81#PBF	LTC1699 / LTC1699EMS8-81#TRPBF	LTC1699 / LTC1699EMS8-82#PBF	LTC1699 / LTC1699EMS8-82#TRPBF	LTC1700 / LTC1700EMS#PBF
LTC1700 / LTC1700EMS#TRPBF	LTC1710 / LTC1710CMS#PBF	LTC1710 / LTC1710CMS#TRPBF	LTC1726 / LTC1726EMS8-2.5#PBF	LTC1726 / LTC1726EMS8-2.5#TRPBF
LTC1726 / LTC1726EMS8-5#PBF	LTC1726 / LTC1726EMS8-5#TRPBF	LTC1726 / LTC1726HMS8-5#PBF	LTC1726 / LTC1726HMS8-5#TRPBF	LTC1727 / LTC1727EMS8-2.5#PBF
LTC1727 / LTC1727EMS8-2.5#TRPBF	LTC1727 / LTC1727EMS8-5#PBF	LTC1727 / LTC1727EMS8-5#TRPBF	LTC1729 / LTC1729CMS8-4.1#PBF	LTC1729 / LTC1729CMS8-4.1#TRPBF
LTC1729 / LTC1729CMS8-4.2#PBF	LTC1729 / LTC1729CMS8-4.2#TRPBF	LTC1729 / LTC1729CMS8-8.2#PBF	LTC1729 / LTC1729CMS8-8.2#TRPBF	LTC1729 / LTC1729CMS8-8.4#PBF
LTC1729 / LTC1729CMS8-8.4#TRPBF	LTC1731-4.1 / LTC1731EMS8-4.1#PBF	LTC1731-4.1 / LTC1731EMS8-4.1#TRPBF	LTC1731-4.1 / LTC1731EMS8-4.2#PBF	LTC1731-4.1 / LTC1731EMS8-4.2#TRPBF
LTC1731-8.2 / LTC1731EMS8-8.2#PBF	LTC1731-8.2 / LTC1731EMS8-8.2#TRPBF	LTC1731-8.2 / LTC1731EMS8-8.4#PBF	LTC1731-8.2 / LTC1731EMS8-8.4#TRPBF	LTC1732-4 / LTC1732EMS-4#PBF
LTC1732-4 / LTC1732EMS-4#TRPBF	LTC1732-4 / LTC1732EMS-4.2#PBF	LTC1732-4 / LTC1732EMS-4.2#TRPBF	LTC1732-8.4 / LTC1732EMS-8.4#PBF	LTC1732-8.4 / LTC1732EMS-8.4#TRPBF
LTC1751 / LTC1751EMS#PBF	LTC1751 / LTC1751EMS#TRPBF	LTC1751 / LTC1751EMS8-3.3#PBF	LTC1751 / LTC1751EMS8-3.3#TRPBF	LTC1751 / LTC1751EMS8-5#PBF
LTC1751 / LTC1751EMS8-5#TRPBF	LTC1771 / LTC1771EMS#PBF	LTC1771 / LTC1771EMS#TRPBF	LTC1773 / LTC1773EMS#PBF	LTC1773 / LTC1773EMS#TRPBF
LTC1860 / LTC1860CMS#PBF	LTC1860 / LTC1860CMS#TRPBF	LTC1860 / LTC1860HMS#PBF	LTC1860 / LTC1860HMS#TRPBF	LTC1860 / LTC1860IMS#PBF
LTC1860 / LTC1860IMS#TRPBF	LTC1860L / LTC1860LIMS#PBF	LTC1860L / LTC1860LIMS#TRPBF	LTC1860L / LTC1860LIMS#PBF	LTC1860L / LTC1860LIMS#TRPBF
LTC1861L / LTC1861LIMS#PBF	LTC1861L / LTC1861LIMS#TRPBF	LTC1861L / LTC1861LIMS#PBF	LTC1861L / LTC1861LIMS#TRPBF	LTC1864 / LTC1864ACMS#PBF
LTC1864 / LTC1864ACMS#TRPBF	LTC1864 / LTC1864AHMS#PBF	LTC1864 / LTC1864AHMS#TRPBF	LTC1864 / LTC1864AIMS#PBF	LTC1864 / LTC1864AIMS#TRPBF
LTC1864 / LTC1864CMS#PBF	LTC1864 / LTC1864CMS#TRPBF	LTC1864 / LTC1864HMS#PBF	LTC1864 / LTC1864HMS#TRPBF	LTC1864 / LTC1864IMS#PBF
LTC1864 / LTC1864IMS#TRPBF	LTC1864L / LTC1864LACS#PBF	LTC1864L / LTC1864LACS#TRPBF	LTC1864L / LTC1864LAIMS#PBF	LTC1864L / LTC1864LAIMS#TRPBF
LTC1864L / LTC1864LIMS#PBF	LTC1864L / LTC1864LIMS#TRPBF	LTC1864L / LTC1864LIMS#PBF	LTC1864L / LTC1864LIMS#TRPBF	LTC1865 / LTC1865ACMS#PBF
LTC1865 / LTC1865ACMS#TRPBF	LTC1865 / LTC1865AHMS#PBF	LTC1865 / LTC1865AHMS#TRPBF	LTC1865 / LTC1865AIMS#PBF	LTC1865 / LTC1865AIMS#TRPBF
LTC1865 / LTC1865CMS#PBF	LTC1865 / LTC1865CMS#TRPBF	LTC1865 / LTC1865HMS#PBF	LTC1865 / LTC1865HMS#TRPBF	LTC1865 / LTC1865IMS#PBF
LTC1865 / LTC1865IMS#TRPBF	LTC1865L / LTC1865LACS#PBF	LTC1865L / LTC1865LACS#TRPBF	LTC1865L / LTC1865LAIMS#PBF	LTC1865L / LTC1865LAIMS#TRPBF
LTC1865L / LTC1865LIMS#PBF	LTC1865L / LTC1865LIMS#TRPBF	LTC1865L / LTC1865LIMS#PBF	LTC1865L / LTC1865LIMS#TRPBF	LTC1871 / LTC1871EMS#PBF
LTC1871 / LTC1871EMS#TRPBF	LTC1871 / LTC1871IMS#PBF	LTC1871 / LTC1871IMS#TRPBF	LTC1871-1 / LTC1871EMS-1#PBF	LTC1871-1 / LTC1871EMS-1#TRPBF
LTC1871-1 / LTC1871IMS-1#PBF	LTC1871-1 / LTC1871IMS-1#TRPBF	LTC1871-7 / LTC1871EMS-7#PBF	LTC1871-7 / LTC1871EMS-7#TRPBF	LTC1871-7 / LTC1871IMS-7#PBF
LTC1871-7 / LTC1871IMS-7#TRPBF	LTC1877 / LTC1877IMS#PBF	LTC1877 / LTC1877IMS#TRPBF	LTC1878 / LTC1878EMS#PBF	LTC1878 / LTC1878EMS#TRPBF
LTC1992 / LTC1992-10CMS#PBF	LTC1992 / LTC1992-10CMS#TRPBF	LTC1992 / LTC1992-10HMS#PBF	LTC1992 / LTC1992-10HMS#TRPBF	LTC1992 / LTC1992-10IMS#PBF
LTC1992 / LTC1992-10IMS#TRPBF	LTC1992 / LTC1992-1CMS#PBF	LTC1992 / LTC1992-1CMS#TRPBF	LTC1992 / LTC1992-1HMS#PBF	LTC1992 / LTC1992-1HMS#TRPBF
LTC1992 / LTC1992-1IMS#PBF	LTC1992 / LTC1992-2CMS#PBF	LTC1992 / LTC1992-2CMS#TRPBF	LTC1992 / LTC1992-2CMS#PBF	LTC1992 / LTC1992-2CMS#TRPBF
LTC1992 / LTC1992-2HMS#PBF	LTC1992 / LTC1992-2IMS#PBF	LTC1992 / LTC1992-2IMS#TRPBF	LTC1992 / LTC1992-5CMS#PBF	LTC1992 / LTC1992-5CMS#TRPBF
LTC1992 / LTC1992-5HMS#PBF	LTC1992 / LTC1992-5HMS#TRPBF	LTC1992 / LTC1992-5IMS#PBF	LTC1992 / LTC1992-5IMS#TRPBF	LTC1992 / LTC1992CMS#PBF
LTC1992 / LTC1992CMS#TRPBF	LTC1992 / LTC1992HMS#PBF	LTC1992 / LTC1992HMS#TRPBF	LTC1992 / LTC1992IMS#PBF	LTC1992 / LTC1992IMS#TRPBF
LTC2051 / LTC2051CMS10#PBF	LTC2051 / LTC2051CMS10#TRPBF	LTC2051 / LTC2051CMS#PBF	LTC2051 / LTC2051CMS#TRPBF	LTC2051 / LTC2051HMS#PBF
LTC2051 / LTC2051HMS#TRPBF	LTC2051 / LTC2051HMS#PBF	LTC2051 / LTC2051HVCMS10#PBF	LTC2051 / LTC2051HVCMS10#TRPBF	LTC2051 / LTC2051HVCMS#PBF
LTC2051 / LTC2051HVCMS#TRPBF	LTC2051 / LTC2051HVHMS#PBF	LTC2051 / LTC2051HVHMS#TRPBF	LTC2051 / LTC2051HVIMS10#PBF	LTC2051 / LTC2051HVIMS10#TRPBF
LTC2051 / LTC2051HVIMS#PBF	LTC2051 / LTC2051HVIMS#TRPBF	LTC2051 / LTC2051IMS10#PBF	LTC2051 / LTC2051IMS10#TRPBF	LTC2051 / LTC2051IMS#PBF







LTC2946 / LTC2946IMS#TRPBF	LTC2946 / LTC2946IMS-1#PBF	LTC2946 / LTC2946IMS-1#TRPBF	LTC2946 / LTC2946MPMS#PBF	LTC2946 / LTC2946MPMS#TRPBF
LTC2946 / LTC2946MPMS-1#PBF	LTC2946 / LTC2946MPMS-1#TRPBF	LTC2956 / LTC2956CMS-1#PBF	LTC2956 / LTC2956CMS-1#TRPBF	LTC2956 / LTC2956CMS-2#PBF
LTC2956 / LTC2956CMS-2#TRPBF	LTC2956 / LTC2956IMS-1#PBF	LTC2956 / LTC2956IMS-1#TRPBF	LTC2956 / LTC2956IMS-2#PBF	LTC2956 / LTC2956IMS-2#TRPBF
LTC2965 / LTC2965CMS#PBF	LTC2965 / LTC2965CMS#TRPBF	LTC2965 / LTC2965HMS#PBF	LTC2965 / LTC2965HMS#TRPBF	LTC2965 / LTC2965IMS#PBF
LTC2965 / LTC2965IMS#TRPBF	LTC2990 / LTC2990CMS#PBF	LTC2990 / LTC2990CMS#TRPBF	LTC2990 / LTC2990IMS#PBF	LTC2990 / LTC2990IMS#TRPBF
LTC2991 / LTC2991CMS#PBF	LTC2991 / LTC2991CMS#TRPBF	LTC2991 / LTC2991IMS#PBF	LTC2991 / LTC2991IMS#TRPBF	LTC3026 / LTC3026EMSE#PBF
LTC3026 / LTC3026EMSE#TRPBF	LTC3026 / LTC3026IMSE#PBF	LTC3026 / LTC3026IMSE#TRPBF	LTC3026-1 / LTC3026EMSE-1#PBF	LTC3026-1 / LTC3026EMSE-1#TRPBF
LTC3026-1 / LTC3026IMSE-1#PBF	LTC3026-1 / LTC3026IMSE-1#TRPBF	LTC3103 / LTC3103EMSE#PBF	LTC3103 / LTC3103EMSE#TRPBF	LTC3103 / LTC3103IMSE#PBF
LTC3103 / LTC3103IMSE#TRPBF	LTC3104 / LTC3104EMSE#PBF	LTC3104 / LTC3104EMSE#TRPBF	LTC3104 / LTC3104IMSE#PBF	LTC3104 / LTC3104IMSE#TRPBF
LTC3105 / LTC3105EMS#PBF	LTC3105 / LTC3105EMS#TRPBF	LTC3111 / LTC3111EMSE#PBF	LTC3111 / LTC3111EMSE#TRPBF	LTC3111 / LTC3111HMSE#PBF
LTC3111 / LTC3111HMSE#TRPBF	LTC3111 / LTC3111IMSE#PBF	LTC3111 / LTC3111IMSE#TRPBF	LTC3111 / LTC3111IMPMS#PBF	LTC3111 / LTC3111IMPMS#TRPBF

**Appendix B - Revision History:**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	05-Jun-2024	05-Jun-2024	Initial Release.