



## Product/Process Change Notice - PCN 19\_0215 Rev. -

Analog Devices, Inc. Three Technology Way Norwood, Massachusetts 02062-9106

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:** LTC3114 - Die Revision

**Publication Date:** 18-Nov-2019

**Effectivity Date:** 20-Feb-2020 *(the earliest date that a customer could expect to receive changed material)*

**Revision Description:**

Initial Release

**Description Of Change:**

Analog Devices Corporation has made a minor change to the LTC3114-1 die to enhance device performance and improve manufacturing yield. The performance enhancement improves the part's robustness to disturbances from electrical noise in applications with significant impedance in the connections to the part as may be present in PCB designs with minimal copper layers, interrupted ground planes and long physical routes to the part's power pins. The improvement in manufacturing yield is achieved through a minor re-centering of the input undervoltage lockout threshold.

**Reason For Change:**

To improve manufacturability, quality and reliability.

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

This change does not affect fit form function and reliability.

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

The parts that will be assembled with new die will be identified by Date Code.

**Summary of Supporting Information:**

Qualification has been performed per Industry Standard Test Methods.

**Supporting Documents**

**Attachment 1: Type:** Delta Qualification Matrix

ADI\_PCN\_19\_0215\_Rev\_-\_LTC3114\_PCN-Delta-Qualification-Matrix-ZVEI-3\_1.xlsm

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**Attachment 2: Type:** Other

ADI\_PCN\_19\_0215\_Rev\_-\_ESD-LTC3114IDHC-1 TRPBF.pdf

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**Attachment 3: Type:** Other

ADI\_PCN\_19\_0215\_Rev\_-\_3114\_Char\_Overlay\_For\_PCN\_25C.pdf

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**Attachment 4: Type:** Other

ADI\_PCN\_19\_0215\_Rev\_-\_3114\_Char\_Overlay\_For\_PCN\_125C.pdf

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**Attachment 5: Type:** Other

ADI\_PCN\_19\_0215\_Rev\_-\_3114\_Char\_Overlay\_For\_PCN\_minus40C.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:**

PCN\_Europe@analog.com

**Japan:**

PCN\_Japan@analog.com

**Rest of Asia:**

PCN\_ROA@analog.com

**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (21)**

LTC3114-1/LTC3114EDHC-1#PBF	LTC3114-1/LTC3114EDHC-1#TRPBF	LTC3114-1/LTC3114EDHC-1#WPBF	LTC3114-1/LTC3114EDHC-1#WTRPBF	LTC3114-1/LTC3114EFE-1#PBF
LTC3114-1/LTC3114EFE-1#TRMPBF	LTC3114-1/LTC3114EFE-1#TRPBF	LTC3114-1/LTC3114HDHC-1#PBF	LTC3114-1/LTC3114HDHC-1#TRPBF	LTC3114-1/LTC3114HFE-1#PBF
LTC3114-1/LTC3114HFE-1#TRPBF	LTC3114-1/LTC3114IDHC-1#PBF	LTC3114-1/LTC3114IDHC-1#TRPBF	LTC3114-1/LTC3114IDHC-1#WPBF	LTC3114-1/LTC3114IDHC-1#WTRPBF
LTC3114-1/LTC3114IFE-1#PBF	LTC3114-1/LTC3114IFE-1#TRPBF	LTC3114-1/LTC3114MPDHC-1#PBF	LTC3114-1/LTC3114MPDHC-1#TRPBF	LTC3114-1/LTC3114MPFE-1#PBF
LTC3114-1/LTC3114MPFE-1#TRPBF				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	18-Nov-2019	20-Feb-2020	Initial Release

Analog Devices, Inc.

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