



## Product/Process Change Notice - PCN 19\_0227 Rev. A

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.

*Note: Revised fields are indicated by a red field name. See Appendix B for revision history.*

**PCN Title:** LTM4648, LTM4649 - MOSFET Supplier Material Change

**Publication Date:** 20-Nov-2019

**Effectivity Date:** 22-Feb-2020 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Corrected typo referencing inductor. This is a MOSFET and always has been a MOSFET.

### Description Of Change:

OnSemi is changing the process in manufacturing their MOSFET. They are converting an internal connection from Copper Clip to Copper Wire Bond. This MOSFET is used in ADI's LTM4648 & LTM4649.

### Reason For Change:

The vendor, OnSemi, is obsoleting the part using the Copper Clip and replacing the part with one that uses a Copper Wire Bond. The obsoleted part will no longer be available.

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

The change is transparent in customer applications since there is no change in form, fit, function, quality or reliability of the products. The product datasheet is unchanged.

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

The approximate date code of the first units assembled will be available from PCN effectivity date.

### Summary of Supporting Information:

The replacement MOSFET has been qualified through characterization over the full operating junction temperature range and through rigorous engineering bench evaluations. Electrical and thermal performance of devices using the alternate source MOSFET is unchanged. In addition, standard qualification tests were successfully completed, including power cycling, Thermal shock, temperature cycling and high temperature operating life. The summary of qualification results is attached.

### Supporting Documents

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

ADI\_PCN\_19\_0227\_Rev\_A\_rPMU9053 rel data.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**

**Existing Parts - Product Family / Model Number (7)**

LTM4648 / LTM4648EY#PBF	LTM4648 / LTM4648IY	LTM4648 / LTM4648IY#PBF	LTM4649 / LTM4649EY#3MDPBF	LTM4649 / LTM4649EY#PBF
LTM4649 / LTM4649IY	LTM4649 / LTM4649IY#PBF			

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	04-Oct-2019	06-Jan-2020	Initial Release
Rev. A	20-Nov-2019	22-Feb-2020	Corrected typo referencing inductor. This is a MOSFET and always has been a MOSFET.

Analog Devices, Inc.

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