



## Product/Process Change Notice - PCN 15\_0188 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:** Addition of Amkor Philippines as Alternate Assembly and Test Sites for SC70 Package  
**Publication Date:** 02-Nov-2015  
**Effectivity Date:** 31-Jan-2016 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

SC70 package is currently assembled and tested at Carsem, Malaysia.

ADI has qualified and will be utilizing Amkor(AP1), Philippines, as an alternate assembly and Amkor(AP3), Philippines, as test supplier for products in SC70 package.

ADI has qualified Amkor's standard assembly bill of materials, see attached BOM for change details.

### Reason For Change

The addition of Amkor, Philippines as ADI assembly and test sites of SC70 package will ensure continued source of supply, optimize on-time delivery, and is aligned with ADI Worldwide Manufacturing strategic plans.

ADI assembly suppliers manufacture ADI products using Analog Devices specified assembly process flows, materials, process controls and monitors. Products will continue to be tested on the same platform, using the same Analog Devices test programs, monitors and controls.

This assures that ADI customers receive the same level of quality and reliability on products they receive from different manufacturing locations.

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

The device fit, form, function, and reliability, as specified by Product Data Sheets, will be unaffected by this change.

The addition of Amkor Philippines as an alternate assembly and test supplier allows future shipments of all lead counts of SC70 package from either Carsem Malaysia or Amkor Philippines.

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

Amkor, Philippines has a Matte mold surface finish versus Carsem, Malaysia Smooth mold surface finish.

### Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Results Summary.

Test correlation and validation has been performed per ADI's standard site to site product transfer correlation procedure. See attached qualification report.

## Supporting Documents

**Attachment 1: Type:** Detailed Change Description

ADI\_PCN\_15\_0188\_Rev\_-\_Material Set Change.pdf

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**Attachment 2: Type:** Qualification Results Summary

ADI\_PCN\_15\_0188\_Rev\_-\_Qualification Results Summary of SC70 at Amkor Philippines.pdf

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**Attachment 3: Type:** Test Correlation Report

ADI\_PCN\_15\_0188\_Rev\_-\_ADM80X Test Correlation Report.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 (55)**

ADM803 / AD51092Z-0RL	ADM803 / ADM803LAKSZ-REEL	ADM803 / ADM803LAKSZ-REEL7	ADM803 / ADM803MAKS-REEL	ADM803 / ADM803MAKS-REEL7
ADM803 / ADM803MAKSZ-REEL7	ADM803 / ADM803RAKS-REEL	ADM803 / ADM803RAKSZ-REEL7	ADM803 / ADM803SAKS-REEL7	ADM803 / ADM803SAKSZ-REEL
ADM803 / ADM803SAKSZ-REEL7	ADM803 / ADM803TAKS-REEL7	ADM803 / ADM803TAKSZ-REEL7	ADM803 / ADM803ZAKSZ-REEL7	ADM809 / ADM809-5LAKS-REEL
ADM809 / ADM809-5LAKS-REEL7	ADM809 / ADM809-5LAKSZ-REEL	ADM809 / ADM809-5LAKSZ-RL7	ADM809 / ADM809-5SAKS-REEL	ADM809 / ADM809-5SAKS-REEL7
ADM809 / ADM809-5SAKSZ-RL	ADM809 / ADM809-5SAKSZ-RL7	ADM809 / ADM809JAKS-REEL7	ADM809 / ADM809JAKSZ-REEL	ADM809 / ADM809JAKSZ-REEL7
ADM809 / ADM809LAKS-REEL	ADM809 / ADM809LAKS-REEL7	ADM809 / ADM809LAKSZ-REEL	ADM809 / ADM809LAKSZ-REEL7	ADM809 / ADM809MAKS-REEL7
ADM809 / ADM809MAKSZ-REEL	ADM809 / ADM809MAKSZ-REEL7	ADM809 / ADM809RAKS-REEL	ADM809 / ADM809RAKS-REEL7	ADM809 / ADM809RAKSZ-REEL
ADM809 / ADM809RAKSZ-REEL7	ADM809 / ADM809SAKS-REEL	ADM809 / ADM809SAKS-REEL7	ADM809 / ADM809SAKSZ-REEL	ADM809 / ADM809SAKSZ-REEL7
ADM809 / ADM809TAKS-REEL	ADM809 / ADM809TAKS-REEL7	ADM809 / ADM809TAKSZ-REEL	ADM809 / ADM809TAKSZ-REEL7	ADM809 / ADM809ZAKS-REEL
ADM809 / ADM809ZAKS-REEL7	ADM809 / ADM809ZAKSZ-REEL	ADM809 / ADM809ZAKSZ-REEL7	ADM810 / ADM810JAKSZ-REEL7	ADM810 / ADM810LAKSZ-REEL7
ADM810 / ADM810MAKSZ-REEL7	ADM810 / ADM810RAKSZ-REEL7	ADM810 / ADM810SAKSZ-REEL7	ADM810 / ADM810TAKSZ-REEL7	ADM810 / ADM810ZAKSZ-REEL7

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	02-Nov-2015	31-Jan-2016	Initial Release

Analog Devices, Inc.

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