



## Product/Process Change Notice - PCN 16\_0291 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 Site for 5L, 6L and 8L SOT23 Chip-On-Lead Packages

**Publication Date:** 06-Feb-2017

**Effectivity Date:** 07-May-2017 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

5L/6L/8L SOT23 Chip-On-Lead (COL) packages are currently assembled at Carsem, Malaysia.

ADI has qualified and will be utilizing Amkor(AP1), Philippines, as an alternate assembly supplier for products in 5L/6L/8L SOT23 COL Packages.

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 site of 5L/6L/8L SOT23 COL packages 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 get 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 supplier allows future shipments of 5L/6L/8L SOT23 COL packages 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.

### Supporting Documents

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

ADI\_PCN\_16\_0291\_Rev\_-\_Material Set Change - SOT23 COL .pdf

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

ADI\_PCN\_16\_0291\_Rev\_-\_Qualification Results Summary.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](mailto:PCN_Americas@analog.com)

**Europe:** [PCN\\_Europe@analog.com](mailto:PCN_Europe@analog.com)

**Japan:** [PCN\\_Japan@analog.com](mailto:PCN_Japan@analog.com)

**Rest of Asia:** [PCN\\_ROA@analog.com](mailto:PCN_ROA@analog.com)

**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (90)**

AD5301 / AD5301BRTZ-500RL7	AD5301 / AD5301BRTZ-REEL7	AD5311 / AD5311BRTZ-500RL7	AD5311 / AD5311BRTZ-REEL7	AD5321 / AD5321BRTZ-500RL7
AD5321 / AD5321BRTZ-REEL7	AD7414 / AD7414ARTZ-0500RL7	AD7414 / AD7414ARTZ-0REEL7	AD7414 / AD7414ARTZ-1500RL7	AD7414 / AD7414ARTZ-1REEL7
AD7414 / AD7414ARTZ-2REEL7	AD7414 / AD7414ARTZ-3REEL7	AD7415 / AD7415ARTZ-0500RL7	AD7415 / AD7415ARTZ-0REEL7	AD7415 / AD7415ARTZ-1500RL7
AD7415 / AD7415ARTZ-1REEL7	AD7440 / AD7440BRTZ-R2	AD7440 / AD7440BRTZ-REEL7	AD7441 / AD7441BRTZ-REEL7	AD7450A / AD7450ABRTZ-REEL7
AD7452 / AD7452BRTZ-R2	AD7452 / AD7452BRTZ-REEL7	AD7453 / AD7453BRTZ-R2	AD7453 / AD7453BRTZ-REEL7	AD7457 / AD7457BRTZ-REEL7
AD7466 / AD7466BRTZ-R2	AD7466 / AD7466BRTZ-REEL7	AD7467 / AD7467BRTZ-R2	AD7467 / AD7467BRTZ-REEL7	AD7468 / AD7468BRTZ-REEL7
AD7476 / AD7476ARTZ-500RL7	AD7476 / AD7476ARTZ-REEL7	AD7476 / AD7476BRTZ-R2	AD7476 / AD7476BRTZ-REEL7	AD7476 / AD7476SRTZ-500RL7
AD7476 / AD7476SRTZ-EP-RL7	AD7476 / AD7476SRTZ-R2	AD7476 / AD7476SRTZ-REEL	AD7476 / AD7476SRTZ-REEL7	AD7477 / AD7477ARTZ-500RL7
AD7477 / AD7477ARTZ-REEL7	AD7478 / AD7478ARTZ-500RL7	AD7478 / AD7478ARTZ-REEL7	AD7478 / AD7478SRTZ-REEL7	AD7814 / AD7814ARTZ-500RL7
AD7814 / AD7814ARTZ-REEL7	AD7991 / AD7991YR.JZ-0500RL7	AD7991 / AD7991YR.JZ-0RL	AD7991 / AD7991YR.JZ-1500RL7	AD7991 / AD7991YR.JZ-1RL
AD7995 / AD7995AR.JZ-0RL	AD7995 / AD7995YR.JZ-0500RL7	AD7995 / AD7995YR.JZ-0RL	AD7995 / AD7995YR.JZ-1500RL7	AD7995 / AD7995YR.JZ-1RL
AD7999 / AD7999AR.JZ-1RL	AD7999 / AD7999YR.JZ-1500RL7	AD7999 / AD7999YR.JZ-1RL	ADG1201 / ADG1201BR.JZ-R2	ADG1201 / ADG1201BR.JZ-REEL7
ADG1202 / ADG1202BR.JZ-REEL7	ADG1219 / ADG1219BR.JZ-REEL7	ADG601 / ADG601BRTZ-REEL	ADG601 / ADG601BRTZ-REEL7	ADG602 / ADG602BRTZ-REEL7
ADG619 / ADG619BRTZ-500RL7	ADG619 / ADG619BRTZ-REEL	ADG619 / ADG619BRTZ-REEL7	ADG619 / ADG619SR.JZ-EP-RL7	ADM8828 / ADM8828ARTZ-REEL7
ADM8829 / ADM8829ARTZ-REEL	ADM8829 / ADM8829ARTZ-REEL7	ADR3412 / ADR3412AR.JZ-R2	ADR3412 / ADR3412AR.JZ-R7	ADR3420 / ADR3420AR.JZ-R2
ADR3420 / ADR3420AR.JZ-R7	ADR3425 / ADR3425AR.JZ-R2	ADR3425 / ADR3425AR.JZ-R7	ADR3430 / ADR3430AR.JZ-R2	ADR3430 / ADR3430AR.JZ-R7
ADR3433 / ADR3433AR.JZ-R2	ADR3433 / ADR3433AR.JZ-R7	ADR3440 / ADR3440AR.JZ-R2	ADR3440 / ADR3440AR.JZ-R7	ADR3450 / ADR3450AR.JZ-R2
ADR3450 / ADR3450AR.JZ-R7	ADT7301 / ADT7301ARTZ-500RL7	ADT7301 / ADT7301ARTZ-REEL7	ADT7302 / ADT7302ARTZ-500RL7	ADT7302 / ADT7302ARTZ-REEL7

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	06-Feb-2017	07-May-2017	Initial Release

Analog Devices, Inc.

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