



## Product/Process Change Notice - PCN 14\_0049 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 Material Report). Any issues with this PCN or requirements to qualify the change (additional data or samples) must be sent to ADI within 30 days of publication date. ADI contact information is listed below.

**PCN Title:** Conversion of 6x6mm and 7x7mm LFCSP Package Outlines from Punch to Sawn and Transfer of Assembly Site to Amkor Philippines

**Publication Date:** 20-Mar-2014

**Effectivity Date:** 18-Jun-2014 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

ADI has qualified and will be utilizing Assembly subcontractor Amkor in the Philippines for 6x6mm and 7x7 body sizes LFCSP products. ADI has also qualified Amkor's standard bill of materials in a SAWN singulated leadframe. There will be no change in BOM. Pin1 indicator will be laser marked as part of the change. See attached for changes and package outline differences.

### Reason For Change

Sawn LFCSP is ADI's technology direction for LFCSP. The use of ADI qualified Amkor-Philippines as an assembly site will ensure continued source of product supply. ADI's assembly subcontractors manufacture our products using Analog Devices specified manufacturing flows, process controls and monitors. This assures that our customers receive the same level of quality and reliability on products they receive from qualified ADI manufacturing locations.

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

The devices function and reliability as specified by the product datasheet will be unaffected by these changes. The Lead Foot Print Dimension will remain the same for both punch and sawn LFCSP packages

### Summary of Supporting Information

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

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### Supporting Documents

**Attachment 1: Type:** Qualification Report Summary

ADI\_PCN\_14\_0049\_Rev\_-\_Qualification Report Summary.pdf

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**Attachment 2: Type:** Detailed Change Description

ADI\_PCN\_14\_0049\_Rev\_-\_Materials and Package Configuration.pdf

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**Attachment 3: Type:** Package Outline Drawing

ADI\_PCN\_14\_0049\_Rev\_-\_Package Outline Drawing.pdf

**For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative**

**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 (133)**

AD5346 / AD5346BCPZ	AD5347 / AD5347BCPZ	AD5348 / AD5348BCPZ	AD5405 / AD5405YCPZ	AD5405 / AD5405YCPZ-REEL
AD5405 / AD5405YCPZ-REEL7	AD7650 / AD7650ACPRL	AD7650 / AD7650ACPZ	AD7650 / AD7650ACPZRL	AD7651 / AD7651ACPRL
AD7651 / AD7651ACPZ	AD7651 / AD7651ACPZRL	AD7652 / AD7652ACPRL	AD7652 / AD7652ACPZ	AD7652 / AD7652ACPZRL
AD7653 / AD7653ACPRL	AD7653 / AD7653ACPZ	AD7653 / AD7653ACPZRL	AD7654 / AD7654ACPZ	AD7654 / AD7654ACPZRL
AD7655 / AD7655ACPZ	AD7655 / AD7655ACPZRL	AD7660 / AD7660ACPZRL	AD7664 / AD7664ACPZRL	AD7674 / AD7674ACPRL
AD7674 / AD7674ACPZ	AD7674 / AD7674ACPZRL	AD8123 / AD80223	AD8123 / AD8123ACPZ	AD8123 / AD8123ACPZ-R7
AD8123 / AD8123ACPZ-RL	AD8124 / AD8124ACPZ	AD8124 / AD8124ACPZ-R7	AD8124 / AD8124ACPZ-RL	AD8264 / AD8264ACPZ
AD8264 / AD8264ACPZ-R7	AD8264 / AD8264ACPZ-RL	AD8382 / AD8382ACPZ	AD9551 / AD9551BCPZ	AD9551 / AD9551BCPZ-REEL7
AD9571 / AD9571ACPZLVD	AD9571 / AD9571ACPZLVD-R7	AD9571 / AD9571ACPZLVD-RL	AD9571 / AD9571ACPZPEC	AD9571 / AD9571ACPZPEC-R7
AD9571 / AD9571ACPZPEC-RL	AD9572 / AD9572ACPZLVD	AD9572 / AD9572ACPZLVD-R7	AD9572 / AD9572ACPZLVD-RL	AD9572 / AD9572ACPZPEC
AD9572 / AD9572ACPZPEC-R7	AD9572 / AD9572ACPZPEC-RL	AD9940 / AD9940BCPZ	AD9940 / AD9940BCPZRL	ADCLK950 / ADCLK950BCPZ
ADCLK950 / ADCLK950BCPZ-REEL7	ADCLK954 / ADCLK954BCPZ	ADCLK954 / ADCLK954BCPZ-REEL7	ADE8155 / ADE8155ACPZ-01	ADE8155 / ADE8155ACPZRL-01
ADE8165 / ADE8165ACPZ-01	ADE8165 / ADE8165ACPZRL-01	ADF7020 / AD57/002Z-0RL	ADF7020-1 / ADF7020-1BCPZ	ADF7020-1 / ADF7020-1BCPZ-RL
ADF7020-1 / ADF7020-1BCPZ-RL7	ADF7021-N / ADF7021-NBCPZ	ADF7021-N / ADF7021-NBCPZ-RL	ADF7021-N / ADF7021-NBCPZ-RL7	ADF9010 / ADF9010BCPZ
ADF9010 / ADF9010BCPZ-RL7	ADG3247 / ADG3247BCPZ	ADG3247 / ADG3247BCPZ-REEL	ADG725 / ADG725BCPZ	ADG731 / ADG731BCPZ
ADG731 / ADG731BCPZ-REEL	ADG731 / ADG731BCPZ-REEL7	ADL5354 / ADL5354ACPZ-R7	ADL5356 / ADL5356ACPZ-R7	ADL5358 / ADL5358ACPZ-R7
ADL5590 / ADL5590ACPZ-R7	ADL5591 / ADL5591ACPZ-R7	ADM1062 / ADM1062ACPZ	ADM1062 / ADM1062ACPZ-REEL7	ADM1063 / ADM1063ACPZ
ADM1063 / ADM1063ACPZ-REEL7	ADM1064 / ADM1064ACPZ	ADM1065 / ADM1065ACPZ	ADM1066 / ADM1066ACPZ	ADM1066 / ADM1066ACPZ-REEL
ADM1066 / ADM1066ACPZ-REEL7	ADM1067 / ADM1067ACPZ	ADM1069 / ADM1069ACPZ	ADM1069 / ADM1069ACPZ-REEL	ADM1069 / ADM1069ACPZ-REEL7
ADN2807 / ADN2807ACPZ	ADN2807 / ADN2807ACPZ-RL	ADN2811 / ADN2811ACPZ-CML	ADN2811 / ADN2811ACPZ-CML-RL	ADN2819 / ADN2819ACPZ-CML
ADN2819 / ADN2819ACPZ-CML-RL	ADN2841 / ADN2841ACPZ-32	ADN2841 / ADN2841ACPZ-32-RL	ADN2841 / ADN2841ACPZ-32-RL7	ADN2841 / ADN2841ACPZ-48
ADN2841 / ADN2841ACPZ-48-RL	ADN2847 / ADN2847ACPZ-32	ADN2847 / ADN2847ACPZ-32-RL	ADN2847 / ADN2847ACPZ-32-RL7	ADN2847 / ADN2847ACPZ-48
ADUC7019 / ADUC7019BCPZ62I	ADUC7019 / ADUC7019BCPZ62I-RL	ADUC7019 / ADUC7019BCPZ62I7RL7	ADUC7019 / ADUC7019TEL	ADUC7019 / ADUC7019TEL-RL7
ADUC7021 / ADUC7021BCPZ32	ADUC7021 / ADUC7021BCPZ32-RL7	ADUC7021 / ADUC7021SMARTLINKRL7	ADUC7022 / ADUC7022BCPZ32	ADUC7022 / ADUC7022BCPZ32-RL
ADUC7022 / ADUC7022BCPZ62	ADUC7022 / ADUC7022BCPZ62-RL7	ADV7125 / ADV7125BCPZ170	ADV7125 / ADV7125BCPZ170-RL	ADV7174 / ADV7174KCPZ-REEL
ADV7179 / ADV7179BCPZ	ADV7179 / ADV7179BCPZ-REEL	ADV7179 / ADV7179KCPZ	ADV7179 / ADV7179KCPZ-REEL	ADV7392 / ADV7392BCPZ
ADV7392 / ADV7392BCPZ-REEL	ADV7393 / ADV7393BCPZ	ADV7393 / ADV7393BCPZ-REEL		

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	20-Mar-2014	18-Jun-2014	Initial Release

Analog Devices, Inc.

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