



## Product/Process Change Notice - PCN 16\_0077 Rev. -

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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:** Conversion of Select 4x4, 5x5, 6x6 and 7x7mm LFCSP Package Outlines from Punch to Sawn and Transfer of Assembly Site to ASE Korea.

**Publication Date:** 22-Apr-2016

**Effectivity Date:** 21-Jul-2016 *(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 ASE in Korea for LFCSP products in 4x4, 5x5, 6x6 and 7x7mm packages. ADI has also qualified ASE's standard bill of materials in a SAWN singulated leadframe. See attached for BOM changes, package outline and pin one ID differences.

### Reason For Change

Sawn LFCSP is ADI's technology direction for LFCSP. The use of ADI qualified ASE-Korea 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 Foot Print Dimension will remain the same for both punch and sawn LFCSP packages.

### Summary of Supporting Information

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary.

### Supporting Documents

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

ADI\_PCN\_16\_0077\_Rev\_-\_POD\_Pin One\_Bill Of Material Change.pdf

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

ADI\_PCN\_16\_0077\_Rev\_-\_Qual 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

**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 (298)**

AD5204 / AD5204BCPZ10-REEL	AD5204 / AD5204BCPZ10-REEL7	AD5410 / AD5410ACPZ-REEL	AD5410 / AD5410ACPZ-REEL7	AD5412 / AD5412ACPZ-REEL
AD5412 / AD5412ACPZ-REEL7	AD5420 / AD5420ACPZ-REEL	AD5420 / AD5420ACPZ-REEL7	AD5422 / AD5422ACPZ-REEL	AD5422 / AD5422ACPZ-REEL7
AD5422 / AD5422BCPZ-REEL	AD5422 / AD5422BCPZ-REEL7	AD5749 / AD5749ACPZ	AD5749 / AD5749ACPZ-RL7	AD5751 / AD5751ACPZ
AD5751 / AD5751ACPZ-REEL7	AD5751 / AD5751BCPZ	AD5751 / AD5751BCPZ-REEL7	AD7262 / AD7262BCPZ	AD7262 / AD7262BCPZ-5
AD7262 / AD7262BCPZ-5-RL7	AD7262 / AD7262BCPZ-RL7	AD7264 / AD7264BCPZ	AD7264 / AD7264BCPZ-5	AD7264 / AD7264BCPZ-5-RL7
AD7264 / AD7264BCPZ-RL7	AD7265 / AD7265BCPZ	AD7265 / AD7265BCPZ-REEL7	AD7266 / AD7266BCPZ	AD7266 / AD7266BCPZ-REEL7
AD7610 / AD7610BCPZ	AD7610 / AD7610BCPZ-RL	AD7612 / AD7612BCPZ	AD7612 / AD7612BCPZ-RL	AD7621 / AD7621ACPZ
AD7621 / AD7621ACPZRL	AD7622 / AD7622BCPZ	AD7622 / AD7622BCPZRL	AD7623 / AD7623ACPZ	AD7631 / AD7631BCPZ
AD7631 / AD7631BCPZRL	AD7634 / AD7634BCPZ	AD7634 / AD7634BCPZRL	AD7641 / AD7641BCPZ	AD7641 / AD7641BCPZRL
AD7643 / AD7643BCPZ	AD7643 / AD7643BCPZRL	AD7651 / AD7651ACPZ	AD7651 / AD7651ACPZRL	AD7652 / AD7652ACPZ
AD7653 / AD7653ACPZ	AD7653 / AD7653ACPZRL	AD7661 / AD7661ACPZ	AD7661 / AD7661ACPZRL	AD7663 / AD7663ACPZ
AD7663 / AD7663ACPZRL	AD7665 / AD7665ACPZ	AD7665 / AD7665ACPZRL	AD7666 / AD7666ACPZ	AD7666 / AD7666ACPZRL
AD7667 / AD7667ACPZ	AD7667 / AD7667ACPZRL	AD7671 / AD7671ACPZ	AD7671 / AD7671ACPZRL	AD7676 / AD7676ACPZRL
AD7677 / AD7677ACPZRL	AD7678 / AD7678ACPZ	AD7679 / AD7679ACPZ	AD7938 / AD7938BCPZ	AD7938 / AD7938BCPZ-REEL7
AD7938-6 / AD7938BCPZ-6	AD7938-6 / AD7938BCPZ-6REEL7	AD7939 / AD7939BCPZ	AD7939 / AD7939BCPZ-REEL7	AD7951 / AD7951BCPZ
AD7951 / AD7951BCPZRL	AD7952 / AD7952BCPZ	AD7952 / AD7952BCPZRL	AD8195 / AD8195ACPZ	AD8195 / AD8195ACPZ-R7
AD8195 / AD8195XCPZ	AD8339 / AD8339ACPZ	AD8339 / AD8339ACPZ-R7	AD8339 / AD8339ACPZ-RL	AD9114 / AD9114BCPZ
AD9114 / AD9114BCPZRL7	AD9115 / AD9115BCPZ	AD9115 / AD9115BCPZRL7	AD9116 / AD9116BCPZ	AD9116 / AD9116BCPZRL7
AD9117 / AD9117BCPZ	AD9117 / AD9117BCPZRL7	AD9219 / AD9219ABCAPZ-40	AD9219 / AD9219ABCAPZ-65	AD9219 / AD9219ABCAPZRL7-40
AD9228 / AD9228ABCAPZ-40	AD9228 / AD9228ABCAPZ-65	AD9228 / AD9228ABCAPZRL7-40	AD9228 / AD9228ABCAPZRL7-65	AD9229 / AD9229ABCAPZ-50
AD9229 / AD9229ABCAPZ-65	AD9233 / AD9233BCPZ-140	AD9233 / AD9233BCPZ-105	AD9233 / AD9233BCPZ-125	AD9233 / AD9233BCPZ-80
AD9233 / AD9233BCPZRL7-105	AD9233 / AD9233BCPZRL7-125	AD9233 / AD9233BCPZRL7-80	AD9246 / AD9246BCPZ-105	AD9246 / AD9246BCPZ-125
AD9246 / AD9246BCPZ-80	AD9246 / AD9246BCPZRL7-105	AD9246 / AD9246BCPZRL7-125	AD9246 / AD9246BCPZRL7-80	AD9254 / AD9254BCPZ-150
AD9254 / AD9254BCPZRL7-150	AD9255 / AD9255BCPZ-105	AD9255 / AD9255BCPZ-125	AD9255 / AD9255BCPZ-80	AD9255 / AD9255BCPZRL7-105
AD9255 / AD9255BCPZRL7-125	AD9255 / AD9255BCPZRL7-80	AD9259 / AD9259ABCAPZ-50	AD9259 / AD9259ABCAPZRL7-50	AD9261 / AD9261BCPZ-10
AD9261 / AD9261BCPZRL7-10	AD9265 / AD9265BCPZ-105	AD9265 / AD9265BCPZ-125	AD9265 / AD9265BCPZ-80	AD9265 / AD9265BCPZRL7-105
AD9265 / AD9265BCPZRL7-125	AD9265 / AD9265BCPZRL7-80	AD9284 / AD9284BCPZ-250	AD9284 / AD9284BCPZRL7-250	AD9286 / AD9286BCPZ-500
AD9286 / AD9286BCPZRL7-500	AD9287 / AD9287ABCAPZ-100	AD9329 / AD9329KCPZ	AD9329 / AD9329KCPZ-REEL	AD9329 / AD9329XCPZ
AD9511 / AD9511BCPZ	AD9511 / AD9511BCPZ-REEL7	AD9512 / AD9512BCPZ	AD9512 / AD9512BCPZ-REEL7	AD9513 / AD9513BCPZ
AD9513 / AD9513BCPZ-REEL7	AD9514 / AD9514BCPZ	AD9514 / AD9514BCPZ-REEL7	AD9515 / AD9515BCPZ	AD9515 / AD9515BCPZ-REEL7
AD9517-0 / AD9517-0ABCAPZ	AD9517-0 / AD9517-0ABCAPZ-RL7	AD9517-1 / AD9517-1ABCAPZ	AD9517-1 / AD9517-1ABCAPZ-RL7	AD9517-2 / AD9517-2ABCAPZ
AD9517-2 / AD9517-2ABCAPZ-RL7	AD9517-3 / AD9517-3ABCAPZ	AD9517-3 / AD9517-3ABCAPZ-RL7	AD9517-4 / AD9517-4ABCAPZ	AD9517-4 / AD9517-4ABCAPZ-RL7
AD9518-0 / AD9518-0ABCAPZ	AD9518-0 / AD9518-0ABCAPZ-RL7	AD9518-1 / AD9518-1ABCAPZ	AD9518-1 / AD9518-1ABCAPZ-RL7	AD9518-2 / AD9518-2ABCAPZ
AD9518-2 / AD9518-2ABCAPZ-RL7	AD9518-3 / AD9518-3ABCAPZ	AD9518-3 / AD9518-3ABCAPZ-RL7	AD9518-4 / AD9518-4ABCAPZ	AD9518-4 / AD9518-4ABCAPZ-RL7
AD9540 / AD9540BCPZ	AD9540 / AD9540BCPZ-REEL7	AD9644 / AD80274BCPZ-155	AD9644 / AD80274BCPZRL7-155	AD9644 / AD80274XCPZ-155
AD9644 / AD9644BCPZ-155	AD9644 / AD9644BCPZ-80	AD9644 / AD9644BCPZRL7-155	AD9644 / AD9644BCPZRL7-80	AD9644 / AD9644CCPZ-80
AD9644 / AD9644CCPZRL7-80	AD9704 / AD9704BCPZ	AD9704 / AD9704BCPZRL7	AD9705 / AD9705BCPZ	AD9705 / AD9705BCPZRL7
AD9706 / AD9706BCPZ	AD9706 / AD9706BCPZRL7	AD9707 / AD9707BCPZ	AD9707 / AD9707BCPZRL7	AD9714 / AD9714BCPZ
AD9714 / AD9714BCPZRL7	AD9715 / AD9715BCPZ	AD9715 / AD9715BCPZRL7	AD9716 / AD9716BCPZ	AD9716 / AD9716BCPZRL7
AD9717 / AD9717BCPZ	AD9717 / AD9717BCPZRL7	AD9824 / AD9824KCPZ	AD9824 / AD9824KCPZRL	AD9864 / AD9864BCPZ
AD9864 / AD9864BCPZRL	AD9913 / AD9913BCPZ	AD9913 / AD9913BCPZ-REEL7	AD9948 / AD9948AKCPZ	AD9948 / AD9948AKCPZRL
AD9948 / AD9948KCPZ	AD9948 / AD9948KCPZRL	AD9949 / AD9949AKCPZ	AD9949 / AD9949AKCPZRL	AD9949 / AD9949KCPZ
AD9949 / AD9949KCPZRL	AD9956 / AD9956YCPZ	AD9956 / AD9956YCPZ-REEL7	AD9965 / AD9965BCPZ	AD9965 / AD9965BCPZRL
AD9967 / AD9967BCPZ	AD9967 / AD9967BCPZRL	AD9970 / AD9970BCPZ	AD9970 / AD9970BCPZRL	AD9970 / AD9970BCPZRL7
AD9971 / AD9971BCPZ	AD9971 / AD9971BCPZRL	AD9976 / AD9976BCPZ	AD9976 / AD9976BCPZRL	AD9978 / AD9978BCPZ
AD9978 / AD9978BCPZRL	AD9978A / AD9978ABCAPZ	AD9978A / AD9978ABCAPZRL	AD9979 / AD9979BCPZ	AD9979 / AD9979BCPZRL
ADAU1381 / ADAU1381BCPZ	ADAU1381 / ADAU1381BCPZ-RL	ADAU1381 / ADAU1381BCPZ-RL7	ADAU1382 / ADAU1382BCPZ	ADAU1382 / ADAU1382BCPZ-R7
ADAU1592 / ADAU1592ACPZ	ADAU1592 / ADAU1592ACPZ-RL	ADAU1592 / ADAU1592ACPZ-RL7	ADAU1761 / ADAU1761BCPZ	ADAU1761 / ADAU1761BCPZ-R7

ADAU1761 / ADAU1761BCPZ-RL	ADAU1781 / ADAU1781BCPZ	ADAU1781 / ADAU1781BCPZ-RL7	ADCLK854 / ADCLK854BCPZ	ADCLK854 / ADCLK854BCPZ-REEL7
ADDI7000 / ADDI7000BCPZ	ADDI7000 / ADDI7000BCPZRL	ADDI7100 / ADDI7100BCPZ	ADDI7100 / ADDI7100BCPZRL	ADF4602 / ADF4602BCPZ
ADF4602 / ADF4602BCPZ-RL	ADF4602-1 / ADF4602-1XCPZ	ADF4602-1 / ADF4602-1XCPZ-RL	ADF7241 / ADF7241BCPZ	ADF7241 / ADF7241BCPZ-RL7
ADF7242 / ADF7242BCPZ	ADF7242 / ADF7242BCPZ-RL	ADG726 / ADG726BCPZ	ADG726 / ADG726BCPZ-REEL	ADG732 / ADG732BCPZ
ADG732 / ADG732BCPZ-REEL	ADN2870 / ADN2870ACPZ	ADN2870 / ADN2870ACPZ-RL	ADN2870 / ADN2870ACPZ-RL7	ADN2871 / ADN2871ACPZ
ADN2871 / ADN2871ACPZ-RL7	ADRF6601 / ADRF6601ACPZ-R7	ADRF6601 / ADRF6601XCPZ	ADRF6602 / ADRF6602ACPZ-R7	ADRF6602 / ADRF6602XCPZ
ADRF6603 / AD45226Z-R7	ADRF6603 / ADRF6603ACPZ-R7	ADRF6603 / ADRF6603XCPZ	ADRF6603 / ADRF6603XCPZ-R7	ADRF6604 / ADRF6604ACPZ-R7
ADRF6604 / ADRF6604XCPZ	ADRF6604 / ADRF6604ACPZ-R7	ADRF6655 / ADRF6655ACPZ-R7	ADRF6701 / ADRF6701ACPZ-R7	ADRF6701 / ADRF6701XCPZ
ADRF6702 / ADRF6702ACPZ-R7	ADRF6703 / ADRF6703ACPZ-R7	ADRF6703 / ADRF6703XCPZ	ADRF6704 / ADRF6704ACPZ-R7	ADRF6704 / ADRF6704XCPZ
ADRF6801 / ADRF6801ACPZ-R7	ADRF6806 / ADRF6806ACPZ-R7	ADRF6806 / ADRF6806XCPZ	ADRF6806 / ADRF6806XCPZ-R7	ADRF6807 / ADRF6807ACPZ-R7
ADSY8401 / ADSY8401JCPZ	ADV3003 / ADV3003ACPZ	ADV3003 / ADV3003ACPZ-R7	ADV7125 / ADV7125BCPZ170	ADV7125 / ADV7125BCPZ170-RL
ADV7174 / ADV7174KCPZ-REEL	ADV7391 / ADV7391BCPZ	ADV7391 / ADV7391BCPZ-REEL		

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	22-Apr-2016	21-Jul-2016	Initial Release

Analog Devices, Inc.

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