



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

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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.

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

**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:** 12-May-2017

**Effectivity Date:** 10-Aug-2017 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Remove parts. Update BOM/POD attachments. Include additional 7x7 BOM detailed parts list.

### 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.

### Comments

Removed from the Supporting Documents are the reference POD spec number change and overlay drawing specific for ADCLK854 FG models.

### Supporting Documents

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

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

**Attachment 2: Type:** Package Outline Drawing

ADI\_PCN\_16\_0077\_Rev\_B\_POD overlay revB.pdf

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**Attachment 3: Type:** Detailed Parts List

ADI\_PCN\_16\_0077\_Rev\_B\_parts affected by POD Spec Pad Size Change.xlsx

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**Attachment 4: Type:** Qualification Results Summary

ADI\_PCN\_16\_0077\_Rev\_B\_Qual Results Summary.pdf

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**Attachment 5: Type:** Detailed Parts List

ADI\_PCN\_16\_0077\_Rev\_B\_Ablestik 3230\_FG list \_correction.xlsx

**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 (285)**

AD5204 / AD5204BCFPZ10-REEL	AD5204 / AD5204BCFPZ10-REEL7	AD5410 / AD5410ACFPZ-REEL	AD5410 / AD5410ACFPZ-REEL7	AD5412 / AD5412ACFPZ-REEL
AD5412 / AD5412ACFPZ-REEL7	AD5420 / AD5420ACFPZ-REEL	AD5420 / AD5420ACFPZ-REEL7	AD5422 / AD5422ACFPZ-REEL	AD5422 / AD5422ACFPZ-REEL7
AD5422 / AD5422BCFPZ-REEL	AD5422 / AD5422BCFPZ-REEL7	AD5749 / AD5749ACFPZ	AD5749 / AD5749ACFPZ-RL7	AD5751 / AD5751ACFPZ
AD5751 / AD5751ACFPZ-REEL7	AD5751 / AD5751BCFPZ	AD5751 / AD5751BCFPZ-REEL7	AD7262 / AD7262BCFPZ	AD7262 / AD7262BCFPZ-5
AD7262 / AD7262BCFPZ-5-RL7	AD7262 / AD7262BCFPZ-RL7	AD7264 / AD7264BCFPZ	AD7264 / AD7264BCFPZ-5	AD7264 / AD7264BCFPZ-5-RL7
AD7264 / AD7264BCFPZ-RL7	AD7265 / AD7265BCFPZ	AD7265 / AD7265BCFPZ-REEL7	AD7266 / AD7266BCFPZ	AD7266 / AD7266BCFPZ-REEL7
AD7610 / AD7610BCFPZ	AD7610 / AD7610BCFPZ-RL	AD7612 / AD7612BCFPZ	AD7612 / AD7612BCFPZ-RL	AD7621 / AD7621ACFPZ
AD7621 / AD7621ACFPZRL	AD7622 / AD7622BCFPZ	AD7622 / AD7622BCFPZRL	AD7623 / AD7623ACFPZ	AD7631 / AD7631BCFPZ
AD7631 / AD7631BCFPZRL	AD7634 / AD7634BCFPZ	AD7634 / AD7634BCFPZRL	AD7641 / AD7641BCFPZ	AD7641 / AD7641BCFPZRL
AD7643 / AD7643BCFPZ	AD7643 / AD7643BCFPZRL	AD7651 / AD7651ACFPZ	AD7651 / AD7651ACFPZRL	AD7652 / AD7652ACFPZ
AD7653 / AD7653ACFPZ	AD7653 / AD7653ACFPZRL	AD7661 / AD7661ACFPZ	AD7661 / AD7661ACFPZRL	AD7663 / AD7663ACFPZ
AD7663 / AD7663ACFPZRL	AD7665 / AD7665ACFPZ	AD7665 / AD7665ACFPZRL	AD7666 / AD7666ACFPZ	AD7666 / AD7666ACFPZRL
AD7667 / AD7667ACFPZ	AD7667 / AD7667ACFPZRL	AD7671 / AD7671ACFPZ	AD7671 / AD7671ACFPZRL	AD7676 / AD7676ACFPZRL
AD7677 / AD7677ACFPZRL	AD7678 / AD7678ACFPZ	AD7679 / AD7679ACFPZ	AD7938 / AD7938BCFPZ	AD7938 / AD7938BCFPZ-REEL7
AD7938-6 / AD7938BCFPZ-6	AD7938-6 / AD7938BCFPZ-6REEL7	AD7939 / AD7939BCFPZ	AD7939 / AD7939BCFPZ-REEL7	AD7951 / AD7951BCFPZ
AD7951 / AD7951BCFPZRL	AD7952 / AD7952BCFPZ	AD7952 / AD7952BCFPZRL	AD8195 / AD8195ACFPZ	AD8195 / AD8195ACFPZ-R7
AD8339 / AD8339ACFPZ	AD8339 / AD8339ACFPZ-R7	AD8339 / AD8339ACFPZ-RL	AD9114 / AD9114BCFPZ	AD9114 / AD9114BCFPZRL7
AD9115 / AD9115BCFPZ	AD9115 / AD9115BCFPZRL7	AD9116 / AD9116BCFPZ	AD9116 / AD9116BCFPZRL7	AD9117 / AD9117BCFPZ
AD9117 / AD9117BCFPZRL7	AD9219 / AD9219ACFPZ-40	AD9219 / AD9219ACFPZ-65	AD9219 / AD9219ACFPZRL7-40	AD9228 / AD9228ACFPZ-40
AD9228 / AD9228ACFPZ-65	AD9228 / AD9228ACFPZRL7-40	AD9228 / AD9228ACFPZRL7-65	AD9229 / AD9229ACFPZ-50	AD9229 / AD9229ACFPZ-65
AD9233 / AD80141BCFPZ-140	AD9233 / AD9233BCFPZ-105	AD9233 / AD9233BCFPZ-125	AD9233 / AD9233BCFPZ-80	AD9233 / AD9233BCFPZRL7-105
AD9233 / AD9233BCFPZRL7-125	AD9233 / AD9233BCFPZRL7-80	AD9246 / AD9246BCFPZ-105	AD9246 / AD9246BCFPZ-125	AD9246 / AD9246BCFPZ-80
AD9246 / AD9246BCFPZRL7-105	AD9246 / AD9246BCFPZRL7-125	AD9246 / AD9246BCFPZRL7-80	AD9254 / AD9254BCFPZ-150	AD9254 / AD9254BCFPZRL7-150
AD9255 / AD9255BCFPZ-105	AD9255 / AD9255BCFPZ-125	AD9255 / AD9255BCFPZ-80	AD9255 / AD9255BCFPZRL7-105	AD9255 / AD9255BCFPZRL7-125
AD9255 / AD9255BCFPZRL7-80	AD9259 / AD9259ACFPZ-50	AD9259 / AD9259ACFPZRL7-50	AD9261 / AD9261BCFPZ-10	AD9261 / AD9261BCFPZRL7-10
AD9265 / AD9265BCFPZ-105	AD9265 / AD9265BCFPZ-125	AD9265 / AD9265BCFPZ-80	AD9265 / AD9265BCFPZRL7-105	AD9265 / AD9265BCFPZRL7-125
AD9265 / AD9265BCFPZRL7-80	AD9284 / AD9284BCFPZ-250	AD9284 / AD9284BCFPZRL7-250	AD9286 / AD9286BCFPZ-500	AD9286 / AD9286BCFPZRL7-500
AD9287 / AD9287ACFPZ-100	AD9329 / AD9329KCPZ	AD9329 / AD9329KCPZ-REEL	AD9511 / AD9511BCFPZ	AD9511 / AD9511BCFPZ-REEL7
AD9512 / AD9512BCFPZ	AD9512 / AD9512BCFPZ-REEL7	AD9513 / AD9513BCFPZ	AD9513 / AD9513BCFPZ-REEL7	AD9514 / AD9514BCFPZ
AD9514 / AD9514BCFPZ-REEL7	AD9515 / AD9515BCFPZ	AD9515 / AD9515BCFPZ-REEL7	AD9517-0 / AD9517-0ACFPZ	AD9517-0 / AD9517-0ACFPZ-RL7
AD9517-1 / AD9517-1ACFPZ	AD9517-1 / AD9517-1ACFPZ-RL7	AD9517-2 / AD9517-2ACFPZ	AD9517-2 / AD9517-2ACFPZ-RL7	AD9517-3 / AD9517-3ACFPZ
AD9517-3 / AD9517-3ACFPZ-RL7	AD9517-4 / AD9517-4ACFPZ	AD9517-4 / AD9517-4ACFPZ-RL7	AD9518-0 / AD9518-0ACFPZ	AD9518-0 / AD9518-0ACFPZ-RL7
AD9518-1 / AD9518-1ACFPZ	AD9518-1 / AD9518-1ACFPZ-RL7	AD9518-2 / AD9518-2ACFPZ	AD9518-2 / AD9518-2ACFPZ-RL7	AD9518-3 / AD9518-3ACFPZ
AD9518-3 / AD9518-3ACFPZ-RL7	AD9518-4 / AD9518-4ACFPZ	AD9518-4 / AD9518-4ACFPZ-RL7	AD9540 / AD9540BCFPZ	AD9540 / AD9540BCFPZ-REEL7
AD9644 / AD80274BCFPZ-155	AD9644 / AD80274BCFPZRL7-155	AD9644 / AD9644BCFPZ-155	AD9644 / AD9644BCFPZ-80	AD9644 / AD9644BCFPZRL7-155
AD9644 / AD9644BCFPZRL7-80	AD9644 / AD9644CCFPZ-80	AD9644 / AD9644CCFPZRL7-80	AD9704 / AD9704BCFPZ	AD9704 / AD9704BCFPZRL7
AD9705 / AD9705BCFPZ	AD9705 / AD9705BCFPZRL7	AD9706 / AD9706BCFPZ	AD9706 / AD9706BCFPZRL7	AD9707 / AD9707BCFPZ
AD9707 / AD9707BCFPZRL7	AD9714 / AD9714BCFPZ	AD9714 / AD9714BCFPZRL7	AD9715 / AD9715BCFPZ	AD9715 / AD9715BCFPZRL7
AD9716 / AD9716BCFPZ	AD9716 / AD9716BCFPZRL7	AD9717 / AD9717BCFPZ	AD9717 / AD9717BCFPZRL7	AD9824 / AD9824KCPZ
AD9824 / AD9824KCPZRL	AD9864 / AD9864BCFPZ	AD9864 / AD9864BCFPZRL	AD9913 / AD9913BCFPZ	AD9913 / AD9913BCFPZ-REEL7
AD9948 / AD9948AKCPZ	AD9948 / AD9948AKCPZRL	AD9948 / AD9948KCPZ	AD9948 / AD9948KCPZRL	AD9949 / AD9949AKCPZ
AD9949 / AD9949AKCPZRL	AD9949 / AD9949KCPZ	AD9949 / AD9949KCPZRL	AD9956 / AD9956YCPZ	AD9956 / AD9956YCPZ-REEL7
AD9965 / AD9965BCFPZ	AD9965 / AD9965BCFPZRL	AD9967 / AD9967BCFPZ	AD9967 / AD9967BCFPZRL	AD9970 / AD9970BCFPZ
AD9970 / AD9970BCFPZRL	AD9970 / AD9970BCFPZRL7	AD9971 / AD9971BCFPZ	AD9971 / AD9971BCFPZRL	AD9976 / AD9976BCFPZ
AD9976 / AD9976BCFPZRL	AD9978 / AD9978BCFPZ	AD9978 / AD9978BCFPZRL	AD9978A / AD9978ACFPZ	AD9978A / AD9978ACFPZRL
AD9979 / AD9979BCFPZ	AD9979 / AD9979BCFPZRL	ADAU1381 / ADAU1381BCFPZ	ADAU1381 / ADAU1381BCFPZ-RL	ADAU1381 / ADAU1381BCFPZ-RL7
ADAU1382 / ADAU1382BCFPZ	ADAU1382 / ADAU1382BCFPZ-R7	ADAU1592 / ADAU1592ACFPZ	ADAU1592 / ADAU1592ACFPZ-RL	ADAU1592 / ADAU1592ACFPZ-RL7
ADAU1761 / ADAU1761BCFPZ	ADAU1761 / ADAU1761BCFPZ-R7	ADAU1761 / ADAU1761BCFPZ-RL	ADAU1781 / ADAU1781BCFPZ	ADAU1781 / ADAU1781BCFPZ-RL7

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 / AD57/004Z-ORL	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	ADRF6602 / ADRF6602ACPZ-R7	ADRF6603 / AD45226Z-R7
ADRF6603 / ADRF6603ACPZ-R7	ADRF6604 / ADRF6604ACPZ-R7	ADRF6655 / ADRF6655ACPZ-R7	ADRF6701 / ADRF6701ACPZ-R7	ADRF6702 / ADRF6702ACPZ-R7
ADRF6703 / ADRF6703ACPZ-R7	ADRF6704 / ADRF6704ACPZ-R7	ADRF6801 / ADRF6801ACPZ-R7	ADRF6806 / ADRF6806ACPZ-R7	ADRF6807 / ADRF6807ACPZ-R7
ADSY8401 / ADSY8401JCPZ	ADV3003 / ADV3003ACPZ	ADV3003 / ADV3003ACPZ-R7	ADV7125 / ADV7125BCPZ170	ADV7125 / ADV7125BCPZ170-RL
ADV7174 / ADV7174KCPZ-REEL	ADV7390 / ADV7390BCPZ	ADV7390 / ADV7390BCPZ-REEL	ADV7391 / ADV7391BCPZ	ADV7391 / ADV7391BCPZ-REEL

**Removed Parts On All Revisions - Product Family / Model Number (16)**

AD8195 / AD8195XCPZ	AD9329 / AD9329XCPZ	AD9644 / AD80274XCPZ-155	ADCLK854 / ADCLK854BCPZ	ADCLK854 / ADCLK854BCPZ-REEL7
ADRF6601 / ADRF6601XCPZ	ADRF6602 / ADRF6602XCPZ	ADRF6603 / ADRF6603XCPZ	ADRF6603 / ADRF6603XCPZ-R7	ADRF6604 / ADRF6604XCPZ
ADRF6604 / ADRF6604XCPZ-R7	ADRF6701 / ADRF6701XCPZ	ADRF6703 / ADRF6703XCPZ	ADRF6704 / ADRF6704XCPZ	ADRF6806 / ADRF6806XCPZ
ADRF6806 / ADRF6806XCPZ-R7				

**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
Rev. A	26-Aug-2016	24-Nov-2016	Package Outline Drawing(POD) attachment updated to correct POD spec and pad size. Added list of parts affected by the corrected POD changes. Added POD overlay. Added parts.
Rev. B	12-May-2017	10-Aug-2017	Remove parts. Update BOM/POD attachments. Include additional 7x7 BOM detailed parts list.

Analog Devices, Inc.

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