



## Product/Process Change Notice - PCN 12\_0063 Rev. B

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.

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

**PCN Title:** Conversion of Select Sizes of LFCSP Package Outlines from Punch to Sawn and Transfer of Assembly Site to ASE-Korea.

**Publication Date:** 02-Apr-2013

**Effectivity Date:** 01-Jul-2013 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Add Parts and Removal of ADL5375-05SCPZEPR7

### Description Of Change

ADI has qualified and will be utilizing Assembly subcontractor ASE in Korea for LFCSP products in 4x4, 5x5 and 6x6 packages. ADI has also qualified ASE's standard bill of materials in a SAWN singulated leadframe. See attached for BOM changes and package outline 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 ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Report Summary.

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### Supporting Documents

**Attachment 1: Type:** Package Outline Drawing

ADI\_PCN\_12\_0063\_Rev\_B\_POD.pdf

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**Attachment 2: Type:** Qualification Report Summary

ADI\_PCN\_12\_0063\_Rev\_B\_Qual Report.pdf

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**Attachment 3: Type:** Detailed Change Description

**Attachment 4: Type:** Detailed Parts List

ADI\_PCN\_12\_0063\_Rev\_B\_Parts and Wire size to use.pdf

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

<b>Americas:</b>	<a href="mailto:PCN_Americas@analog.com">PCN_Americas@analog.com</a>	<b>Europe:</b>	<a href="mailto:PCN_Europe@analog.com">PCN_Europe@analog.com</a>	<b>Japan:</b>	<a href="mailto:PCN_Japan@analog.com">PCN_Japan@analog.com</a>
				<b>Rest of Asia:</b>	<a href="mailto:PCN_ROA@analog.com">PCN_ROA@analog.com</a>

**Appendix A - Affected ADI Models**

**Existing Parts - Product Family / Model Number (80)**

AD7873 / AD7873ACPZ	AD7873 / AD7873ACPZ-REEL	AD7873 / AD7873ACPZ-REEL7	AD7873 / AD7873BCP-REEL	AD7873 / AD7873BCPZ-REEL7
AD8363 / AD8363ACPZ-R2	AD8363 / AD8363ACPZ-R7	ADA4410-6 / ADA4410-6ACPZ-R2	ADA4410-6 / ADA4410-6ACPZ-R7	ADA4410-6 / ADA4410-6ACPZ-RL
ADA4817-2 / ADA4817-2ACPZ-R2	ADA4817-2 / ADA4817-2ACPZ-R7	ADA4817-2 / ADA4817-2ACPZ-RL	ADA4855-3 / ADA4855-3YCPZ-R2	ADA4855-3 / ADA4855-3YCPZ-R7
ADA4855-3 / ADA4855-3YCPZ-RL	ADA4856-3 / ADA4856-3YCPZ-R2	ADA4856-3 / ADA4856-3YCPZ-R7	ADA4856-3 / ADA4856-3YCPZ-RL	ADA4857-2 / ADA4857-2YCPZ-R2
ADA4857-2 / ADA4857-2YCPZ-R7	ADA4857-2 / ADA4857-2YCPZ-RL	ADA4927-2 / ADA4927-2YCPZ-R2	ADA4927-2 / ADA4927-2YCPZ-R7	ADA4927-2 / ADA4927-2YCPZ-RL
ADA4930-2 / ADA4930-2YCPZ-R2	ADA4930-2 / ADA4930-2YCPZ-R7	ADA4930-2 / ADA4930-2YCPZ-RL	ADA4932-2 / ADA4932-2YCPZ-R2	ADA4932-2 / ADA4932-2YCPZ-R7
ADA4932-2 / ADA4932-2YCPZ-RL	ADA4940-2 / ADA4940-2ACPZ-R2	ADA4940-2 / ADA4940-2ACPZ-R7	ADA4940-2 / ADA4940-2ACPZ-RL	ADA4950-2 / ADA4950-2YCPZ-R2
ADA4950-2 / ADA4950-2YCPZ-R7	ADA4950-2 / ADA4950-2YCPZ-RL	ADCLK846 / ADCLK846BCPZ	ADCLK846 / ADCLK846BCPZ-REEL7	ADCLK846 / ADCLK846BCPZ
ADCLK946 / ADCLK946BCPZ-REEL7	ADF4111 / ADF4111BCPZ	ADF4111 / ADF4111BCPZ-RL	ADF4111 / ADF4111BCPZ-RL7	ADG784 / ADG784BCPZ
ADG784 / ADG784BCPZ-REEL	ADG784 / ADG784BCPZ-REEL7	ADL5331 / ADL5331ACPZ-R7	ADL5354 / ADL5354ACPZ-R7	ADL5356 / ADL5356ACPZ-R7
ADL5358 / ADL5358ACPZ-R7	ADL5360 / ADL5360ACPZ-R2	ADL5360 / ADL5360ACPZ-R7	ADL5371 / ADL5371ACPZ-R7	ADL5375 / ADL5375-05ACPZ-R7
ADL5375 / ADL5375-15ACPZ-R7	ADL5380 / ADL5380ACPZ-R7	ADL5382 / ADL5382ACPZ-R7	ADL5534 / ADL5534ACPZ-R7	ADL5590 / ADL5590ACPZ-R7
ADL5591 / ADL5591ACPZ-R7	ADL5604 / ADL5604ACPZ-R7	ADN2873 / ADN2873ACPZ	ADN2873 / ADN2873ACPZ-R7	ADN2873 / ADN2873ACPZ-RL
ADP2105 / ADP2105ACPZ-1.2-R7	ADP2105 / ADP2105ACPZ-1.5-R7	ADP2105 / ADP2105ACPZ-1.8-R7	ADP2105 / ADP2105ACPZ-3.3-R7	ADP2105 / ADP2105ACPZ-R7
ADP2106 / ADP2106ACPZ-1.2-R7	ADP2106 / ADP2106ACPZ-1.5-R7	ADP2106 / ADP2106ACPZ-1.8-R7	ADP2106 / ADP2106ACPZ-3.3-R7	ADP2106 / ADP2106ACPZ-R7
ADP2107 / ADP2107ACPZ-1.2-R7	ADP2107 / ADP2107ACPZ-1.5-R7	ADP2107 / ADP2107ACPZ-1.8-R7	ADP2107 / ADP2107ACPZ-3.3-R7	ADP2107 / ADP2107ACPZ-R7

**Added Parts On This Revision - Product Family / Model Number (34)**

AD53539 / ADCMP566BCPZ	AD5433 / AD5433YCPZ	AD7938-6 / AD7938BCP-6REEL7	AD8101 / AD8101BCPZ	AD8101 / AD8101BCPZ-R7
AD8101 / AD8101BCPZ-RL	AD8328 / AD8328ACPZ	AD8328 / AD8328ACPZ-REEL	AD8328 / AD8328ACPZ-REEL7	ADF4196 / ADF4196BCPZ
ADF4196 / ADF4196BCPZ-RL7	ADF4213 / ADF4213BCPZ-RL	ADG2188 / ADG2188BCPZ-HS-RL7	ADG2188 / ADG2188BCPZ-REEL7	ADG2188 / ADG2188YCPZ-HS-RL7
ADG2188 / ADG2188YCPZ-REEL7	ADG758 / ADG758BCPZ	ADG758 / ADG758BCPZ-REEL7	ADN2804 / ADN2804ACPZ	ADN2804 / ADN2804ACPZ-500RL7
ADN2804 / ADN2804ACPZ-RL7	ADN2806 / ADN2806ACPZ	ADN2806 / ADN2806ACPZ-500RL7	ADN2806 / ADN2806ACPZ-RL7	ADN2813 / ADN2813ACPZ
ADN2813 / ADN2813ACPZ-500RL7	ADN2813 / ADN2813ACPZ-RL7	ADN2815 / ADN2815ACPZ	ADN2815 / ADN2815ACPZ-500RL7	ADN2815 / ADN2815ACPZ-RL7
ADN2850 / ADN2850BCPZ25	ADN2850 / ADN2850BCPZ25-RL7	ADN2850 / ADN2850BCPZ250	ADN2850 / ADN2850BCPZ250-RL7	

**Removed Parts On All Revisions - Product Family / Model Number (24)**

ADF4360-0 / ADF4360-0BCPZ	ADF4360-0 / ADF4360-0BCPZRL	ADF4360-0 / ADF4360-0BCPZRL7	ADF4360-1 / ADF4360-1BCPZ	ADF4360-1 / ADF4360-1BCPZRL
ADF4360-1 / ADF4360-1BCPZRL7	ADF4360-1 / ADF4360-1SP1BCPZ	ADF4360-1 / ADF4360-1SP1BCPZRL	ADF4360-2 / ADF4360-2BCPZ	ADF4360-2 / ADF4360-2BCPZRL
ADF4360-2 / ADF4360-2BCPZRL7	ADF4360-3 / ADF4360-3BCPZ	ADF4360-3 / ADF4360-3BCPZRL	ADF4360-3 / ADF4360-3BCPZRL7	ADF4360-6 / ADF4360-6BCPZ
ADF4360-6 / ADF4360-6BCPZRL	ADF4360-6 / ADF4360-6BCPZRL7	ADF4360-8 / ADF4360-8BCPZ	ADF4360-8 / ADF4360-8BCPZRL	ADF4360-8 / ADF4360-8BCPZRL7
ADF4360-9 / ADF4360-9BCPZ	ADF4360-9 / ADF4360-9BCPZRL	ADF4360-9 / ADF4360-9BCPZRL7	ADL5375 / ADL5375-05SCPZEPR7	

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	22-May-2012	20-Aug-2012	Initial Release
Rev. A	08-Jan-2013	08-Jan-2013	Removal of parts
Rev. B	02-Apr-2013	01-Jul-2013	Add Parts and Removal of ADL5375-05SCPZEPR7

Analog Devices, Inc.

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