



Product/Process Change Notice - PCN 14_0038 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 3x3mm body Size LFCSP Package Outlines from Punch to Sawn and Transfer of Assembly Site to Amkor Philippines

Publication Date: 10-Dec-2014

Effectivity Date: 10-Mar-2015 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Add Parts

Description Of Change

ADI has qualified and will be utilizing Assembly subcontractor Amkor in Philippines for 3x3mm body size 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.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_14_0038_Rev_B_Reliability Qualification Summary.pdf

Attachment 2: Type: Detailed Change Description

ADI_PCN_14_0038_Rev_B_Materials and Package Configuration.pdf

Attachment 3: Type: Package Outline Drawing

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 (291)

AD5398 / AD5398BCPZ-REEL	AD5398 / AD5398BCPZ-REEL7	AD5820 / AD5820BCPZ-REEL	AD5820 / AD5820BCPZ-REEL7	AD5822 / AD5822BCPZ-REEL
AD5822 / AD5822BCPZ-REEL7	AD8000 / AD8000YCPZ-R2	AD8000 / AD8000YCPZ-REEL	AD8000 / AD8000YCPZ-REEL7	AD8045 / AD8045ACPZ-R2
AD8045 / AD8045ACPZ-REEL	AD8045 / AD8045ACPZ-REEL7	AD8099 / AD8099ACPZ-R2	AD8099 / AD8099ACPZ-REEL	AD8099 / AD8099ACPZ-REEL7
AD8128 / AD8128ACPZ-R2	AD8128 / AD8128ACPZ-R7	AD8128 / AD8128ACPZ-RL	AD8139 / AD8139ACPZ-R2	AD8139 / AD8139ACPZ-REEL
AD8139 / AD8139ACPZ-REEL7	AD8305 / AD8305ACPZ-R2	AD8305 / AD8305ACPZ-RL7	AD8337 / AD8337BCPZ-R2	AD8337 / AD8337BCPZ-REEL
AD8337 / AD8337BCPZ-REEL7	AD8342 / AD8342ACPZ-R2	AD8342 / AD8342ACPZ-REEL7	AD8344 / AD8344ACPZ-REEL7	AD8352 / AD8352ACPZ-R2
AD8352 / AD8352ACPZ-R7	AD8597 / AD8597ACPZ-R2	AD8597 / AD8597ACPZ-REEL	AD8597 / AD8597ACPZ-REEL7	AD8617 / AD8617ACPZ-R2
AD8617 / AD8617ACPZ-R7	AD8617 / AD8617ACPZ-RL	AD8643 / AD8643ACPZ-R2	AD8643 / AD8643ACPZ-REEL	AD8643 / AD8643ACPZ-REEL7
AD8661 / AD8661ACPZ-R2	AD8661 / AD8661ACPZ-REEL	AD8661 / AD8661ACPZ-REEL7	AD8663 / AD8663ACPZ-R2	AD8663 / AD8663ACPZ-REEL
AD8663 / AD8663ACPZ-REEL7	ADA4051-2 / ADA4051-2ACPZ-R2	ADA4051-2 / ADA4051-2ACPZ-R7	ADA4051-2 / ADA4051-2ACPZ-RL	ADA4091-2 / ADA4091-2ACPZ-R2
ADA4091-2 / ADA4091-2ACPZ-R7	ADA4091-2 / ADA4091-2ACPZ-RL	ADA4303-2 / ADA4303-2ACPZ-R2	ADA4303-2 / ADA4303-2ACPZ-R7	ADA4303-2 / ADA4303-2ACPZ-RL
ADA4304-2 / ADA4304-2ACPZ-R2	ADA4304-2 / ADA4304-2ACPZ-R7	ADA4304-2 / ADA4304-2ACPZ-RL	ADA4304-3 / ADA4304-3ACPZ-R2	ADA4304-3 / ADA4304-3ACPZ-R7
ADA4304-3 / ADA4304-3ACPZ-RL	ADA4304-4 / ADA4304-4ACPZ-R2	ADA4304-4 / ADA4304-4ACPZ-R7	ADA4304-4 / ADA4304-4ACPZ-RL	ADA4610-2 / ADA4610-2ACPZ-R7
ADA4610-2 / ADA4610-2ACPZ-RL	ADA4627-1 / ADA4627-1ACPZ-R2	ADA4627-1 / ADA4627-1ACPZ-R7	ADA4627-1 / ADA4627-1ACPZ-RL	ADA4637-1 / ADA4637-1ACPZ-R2
ADA4637-1 / ADA4637-1ACPZ-R7	ADA4637-1 / ADA4637-1ACPZ-RL	ADA4817-1 / ADA4817-1ACPZ-R2	ADA4817-1 / ADA4817-1ACPZ-R7	ADA4817-1 / ADA4817-1ACPZ-RL
ADA4850-1 / ADA4850-1YCPZ-R2	ADA4850-1 / ADA4850-1YCPZ-RL	ADA4850-1 / ADA4850-1YCPZ-RL7	ADA4850-2 / ADA4850-2YCPZ-R2	ADA4850-2 / ADA4850-2YCPZ-RL
ADA4850-2 / ADA4850-2YCPZ-RL7	ADA4853-2 / ADA4853-2YCPZ-R2	ADA4853-2 / ADA4853-2YCPZ-RL	ADA4853-2 / ADA4853-2YCPZ-RL7	ADA4853-3 / ADA4853-3YCPZ-R2
ADA4853-3 / ADA4853-3YCPZ-R7	ADA4853-3 / ADA4853-3YCPZ-RL	ADA4857-1 / ADA4857-1YCPZ-R2	ADA4857-1 / ADA4857-1YCPZ-R7	ADA4857-1 / ADA4857-1YCPZ-RL
ADA4899-1 / ADA4899-1YCPZ-R2	ADA4899-1 / ADA4899-1YCPZ-R7	ADA4899-1 / ADA4899-1YCPZ-RL	ADA4922-1 / ADA4922-1ACPZ-R2	ADA4922-1 / ADA4922-1ACPZ-RL
ADA4922-1 / ADA4922-1ACPZ-RL7	ADA4927-1 / ADA4927-1XCPZ	ADA4927-1 / ADA4927-1YCPZ-R2	ADA4927-1 / ADA4927-1YCPZ-R7	ADA4927-1 / ADA4927-1YCPZ-RL
ADA4930-1 / ADA4930-1YCPZ-R2	ADA4930-1 / ADA4930-1YCPZ-R7	ADA4930-1 / ADA4930-1YCPZ-RL	ADA4932-1 / AD45238-R7	ADA4932-1 / ADA4932-1YCPZ-R2
ADA4932-1 / ADA4932-1YCPZ-R7	ADA4932-1 / ADA4932-1YCPZ-RL	ADA4937-1 / ADA4937-1YCPZ-R2	ADA4937-1 / ADA4937-1YCPZ-R7	ADA4937-1 / ADA4937-1YCPZ-RL
ADA4938-1 / AD45230-R7	ADA4938-1 / ADA4938-1ACPZ-R2	ADA4938-1 / ADA4938-1ACPZ-R7	ADA4938-1 / ADA4938-1ACPZ-RL	ADA4939-1 / ADA4939-1YCPZ-R2
ADA4939-1 / ADA4939-1YCPZ-R7	ADA4939-1 / ADA4939-1YCPZ-RL	ADA4940-1 / ADA4940-1ACPZ-R2	ADA4940-1 / ADA4940-1ACPZ-R7	ADA4940-1 / ADA4940-1ACPZ-RL
ADA4941-1 / AD80215YCPZ-RL	ADA4941-1 / ADA4941-1YCPZ-R2	ADA4941-1 / ADA4941-1YCPZ-R7	ADA4941-1 / ADA4941-1YCPZ-RL	ADA4950-1 / ADA4950-1YCPZ-R2
ADA4950-1 / ADA4950-1YCPZ-R7	ADA4950-1 / ADA4950-1YCPZ-RL	ADCLK905 / ADCLK905BCPZ-R2	ADCLK905 / ADCLK905BCPZ-R7	ADCLK907 / ADCLK907BCPZ-R2
ADCLK907 / ADCLK907BCPZ-R7	ADCLK914 / ADCLK914BCPZ-R2	ADCLK914 / ADCLK914BCPZ-R7	ADCLK925 / ADCLK925BCPZ-R2	ADCLK925 / ADCLK925BCPZ-R7
ADCMP563 / ADCMP563BCPZ-R2	ADCMP563 / ADCMP563BCPZ-RL7	ADCMP572 / ADCMP572BCPZ-R2	ADCMP572 / ADCMP572BCPZ-RL7	ADCMP573 / ADCMP573BCPZ-R2
ADCMP573 / ADCMP573BCPZ-RL7	ADCMP580 / ADCMP580BCPZ-R2	ADCMP580 / ADCMP580BCPZ-RL7	ADCMP581 / ADCMP581BCPZ-R2	ADCMP581 / ADCMP581BCPZ-RL7
ADCMP582 / ADCMP582BCPZ-R2	ADCMP582 / ADCMP582BCPZ-RL7	ADCMP603 / ADCMP603BCPZ-R2	ADCMP603 / ADCMP603BCPZ-R7	ADCMP605 / ADCMP605BCPZ-R2
ADCMP605 / ADCMP605BCPZ-R7	ADCMP607 / ADCMP607BCPZ-R2	ADCMP607 / ADCMP607BCPZ-R7	ADG1204 / ADG1204YCPZ-500RL7	ADG1204 / ADG1204YCPZ-REEL7
ADG1211 / ADG1211YCPZ-500RL7	ADG1211 / ADG1211YCPZ-REEL7	ADG1212 / ADG1212YCPZ-500RL7	ADG1212 / ADG1212YCPZ-REEL7	ADG1213 / ADG1213YCPZ-500RL7
ADG1213 / ADG1213YCPZ-REEL7	ADG1236 / ADG1236YCPZ-500RL7	ADG1236 / ADG1236YCPZ-REEL7	ADG772 / ADG772BCPZ-1REEL	ADG774A / ADG774ABCPZ-R2
ADG774A / ADG774ABCPZ-REEL	ADG774A / ADG774ABCPZ-U1	ADG811 / ADG811YCPZ-REEL	ADG811 / ADG811YCPZ-REEL7	ADG836 / ADG836YCPZ-REEL
ADG836 / ADG836YCPZ-REEL7	ADG901 / ADG901BCPZ-500RL7	ADG901 / ADG901BCPZ-REEL7	ADG902 / ADG902BCPZ-REEL7	ADG919 / ADG919BCPZ-REEL7
ADL5306 / ADL5306ACPZ-R2	ADL5306 / ADL5306ACPZ-REEL7	ADL5317 / ADL5317ACPZ-REEL7	ADL5322 / ADL5322ACPZ-R7	ADL5323 / ADL5323ACPZ-R7
ADL5391 / ADL5391ACPZ-R2	ADL5391 / ADL5391ACPZ-R7	ADL5513 / ADL5513ACPZ-R2	ADL5513 / ADL5513ACPZ-R7	ADL5513 / ADL5513XCPZ
ADL5521 / ADL5521ACPZ-R7	ADL5523 / ADL5523ACPZ-R7	ADL5523 / ADL5523XCPZ	ADL5531 / ADL5531ACPZ-R7	ADL5541 / ADL5541ACPZ-R7
ADL5541 / ADL5541XCPZ	ADL5542 / ADL5542ACPZ-R7	ADL5561 / ADL5561ACPZ-R7	ADL5561 / ADL5561XCPZ	ADL5562 / ADL5562ACPZ-R7
ADL5562 / ADL5562XCPZ	ADM3101E / ADM3101EACPZ-250R7	ADM3101E / ADM3101EACPZ-REEL	ADM4850 / ADM4850ACPZ-REEL7	ADM4852 / ADM4852ACPZ-REEL7
ADM4853 / ADM4853ACPZ-REEL7	ADM8843 / ADM8843ACPZ-REEL7	ADN2891 / ADN2891ACPZ-500RL7	ADN2891 / ADN2891ACPZ-RL	ADN2891 / ADN2891ACPZ-RL7
ADN2892 / ADN2892ACPZ-500RL7	ADN2892 / ADN2892ACPZ-RL	ADN2892 / ADN2892ACPZ-RL7	ADP1653 / ADP1653A0001CPZR	ADP1653 / ADP1653ACPZ-R2
ADP1653 / ADP1653ACPZ-R7	ADP1653 / ADP1653ACPZ-R7RT	ADP1706 / ADP1706ACPZ-0.75R7	ADP1706 / ADP1706ACPZ-0.8-R7	ADP1706 / ADP1706ACPZ-0.85R7
ADP1706 / ADP1706ACPZ-0.9-R7	ADP1706 / ADP1706ACPZ-0.95R7	ADP1706 / ADP1706ACPZ-1.0-R7	ADP1706 / ADP1706ACPZ-1.05R7	ADP1706 / ADP1706ACPZ-1.1-R7
ADP1706 / ADP1706ACPZ-1.15R7	ADP1706 / ADP1706ACPZ-1.2-R7	ADP1706 / ADP1706ACPZ-1.3-R7	ADP1706 / ADP1706ACPZ-1.5-R7	ADP1706 / ADP1706ACPZ-1.8-R7
ADP1706 / ADP1706ACPZ-2.5-R7	ADP1706 / ADP1706ACPZ-3.0-R7	ADP1706 / ADP1706ACPZ-3.3-R7	ADP1707 / ADP1707ACPZ-0.75R7	ADP1707 / ADP1707ACPZ-0.8-R7
ADP1707 / ADP1707ACPZ-0.85R7	ADP1707 / ADP1707ACPZ-0.9-R7	ADP1707 / ADP1707ACPZ-0.95R7	ADP1707 / ADP1707ACPZ-1.0-R7	ADP1707 / ADP1707ACPZ-1.05R7
ADP1707 / ADP1707ACPZ-1.1-R7	ADP1707 / ADP1707ACPZ-1.15R7	ADP1707 / ADP1707ACPZ-1.2-R7	ADP1707 / ADP1707ACPZ-1.3-R7	ADP1707 / ADP1707ACPZ-1.5-R7

ADP1707 / ADP1707ACPZ-1.8-R7	ADP1707 / ADP1707ACPZ-2.5-R7	ADP1707 / ADP1707ACPZ-3.0-R7	ADP1707 / ADP1707ACPZ-3.3-R7	ADP1708 / ADP1708ACPZ-R7
ADP2102 / ADP2102YCPZ-0.8-R7	ADP2102 / ADP2102YCPZ-1-R7	ADP2102 / ADP2102YCPZ-1.0-R7	ADP2102 / ADP2102YCPZ-1.2-R7	ADP2102 / ADP2102YCPZ-1.25R7
ADP2102 / ADP2102YCPZ-1.37R7	ADP2102 / ADP2102YCPZ-1.5-R7	ADP2102 / ADP2102YCPZ-1.8-R7	ADP2102 / ADP2102YCPZ-1.87R7	ADP2102 / ADP2102YCPZ-2-R7
ADP2102 / ADP2102YCPZ-3-R7	ADP2102 / ADP2102YCPZ-4-R7	ADP2104 / ADP2104YCPZ-0.8-R7	ADP2104 / ADP2104YCPZ-1.2-R7	ADP2104 / ADP2104YCPZ-1.5-R7
ADP2104 / ADP2104YCPZ-1.8-R7	ADP2104 / ADP2104YCPZ-1.87R7	ADP2104 / ADP2104YCPZ-2.5-R7	ADP2104 / ADP2104YCPZ-2.77R7	ADP2104 / ADP2104YCPZ-2.87R7
ADP2104 / ADP2104YCPZ-2.9-R7	ADP2104 / ADP2104YCPZ-3.0-R7	ADP2104 / ADP2104YCPZ-3.3-R7	ADP2104 / ADP2104YCPZ-R7	ADP2201 / ADP2201ACPZ-R7
ADP2202 / ADP2202ACPZ-R7	ADP2205 / ADP2205ACPZ-R7	ADP3650 / ADP3650JCPZ-RL	ADT7408 / ADT7408CCPZ-REEL	ADT7408 / ADT7408CCPZ-REEL7
SSM2211 / SSM2211CPZ-REEL	SSM2211 / SSM2211CPZ-REEL7	SSM2301 / SSM2301CPZ-R2	SSM2301 / SSM2301CPZ-REEL	SSM2301 / SSM2301CPZ-REEL7
SSM2302 / SSM2302CPZ-R2	SSM2302 / SSM2302CPZ-REEL	SSM2302 / SSM2302CPZ-REEL7	SSM2304 / SSM2304CPZ-REEL	SSM2304 / SSM2304CPZ-REEL7
SSM2305 / SSM2305CPZ-R2	SSM2305 / SSM2305CPZ-REEL	SSM2305 / SSM2305CPZ-REEL7	SSM2306 / SSM2306CPZ-R2	SSM2306 / SSM2306CPZ-REEL
SSM2306 / SSM2306CPZ-REEL7				

Added Parts On This Revision - Product Family / Model Number (5)

AD8330 / AD8330ACPZ-R2	AD8330 / AD8330ACPZ-R7	AD8330 / AD8330ACPZ-RL	ADG918 / ADG918BCPZ-500RL7	ADG918 / ADG918BCPZ-REEL7
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Removed Parts On All Revisions - Product Family / Model Number (2)

ADG772 / ADG772BCPZ-REEL7	ADP3334 / ADP3334ACPZ-REEL7			
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Appendix B - Revision History			
Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	13-Feb-2014	14-May-2014	Initial Release
Rev. A	24-Apr-2014	24-Apr-2014	Removal of parts
Rev. B	10-Dec-2014	10-Mar-2015	Add Parts

Analog Devices, Inc.

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