



Product/Process Change Notice - PCN 14_0049 Rev. C

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 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 6x6mm and 7x7mm LFCSP Package Outlines from Punch to Sawn and Transfer of Assembly Site to Amkor Philippines

Publication Date: 29-Apr-2015

Effectivity Date: 29-Apr-2015 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Change CP-48-10 to CP-48-4 in Package Outline Drawing Attachment 3.

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 a change in BOM for die attach epoxy from Ablestik 8290 to Ablestik 3230. Pin1 indicator will be laser marked as part of the change. See attached for details 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.

Comments

All customer samples ordered since the original issuance of this PCN have been manufactured with the changed die attach material.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

Attachment 2: Type: Detailed Change Description

ADI_PCN_14_0049_Rev_C_Materials and Package Configuration.pdf

Attachment 3: Type: Package Outline Drawing

ADI_PCN_14_0049_Rev_C_Package Outline Drawing.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

Existing Parts - Product Family / Model Number (102)

AD5346 / AD5346BCPZ	AD5347 / AD5347BCPZ	AD5348 / AD5348BCPZ	AD5405 / AD5405YCPZ	AD5405 / AD5405YCPZ-REEL
AD5405 / AD5405YCPZ-REEL7	AD7650 / AD7650ACPRL	AD7650 / AD7650ACPZ	AD7650 / AD7650ACPZRL	AD7651 / AD7651ACPRL
AD7652 / AD7652ACPRL	AD7653 / AD7653ACPRL	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 / AD45024	AD8382 / AD8382ACPZ	AD9940 / AD9940BCPZ	AD9940 / AD9940BCPZRL
ADCLK950 / ADCLK950BCPZ	ADCLK950 / ADCLK950BCPZ-REEL7	ADCLK954 / ADCLK954BCPZ	ADCLK954 / ADCLK954BCPZ-REEL7	ADE8165 / ADE8165ACPZ-01
ADE8165 / ADE8165ACPZRL-01	ADF7020 / AD57002Z-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	ADL5580 / ADL5580ACPZ-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-48	ADN2841 / ADN2841ACPZ-48-RL	ADN2847 / ADN2847ACPZ-48	ADUC7019 / ADUC7019BCPZ62	ADUC7019 / ADUC7019BCPZ62-RL
ADUC7019 / ADUC7019BCPZ62-RL7	ADUC7019 / ADUC70TEL	ADUC7019 / ADUC70TEL-RL7	ADUC7021 / ADUC7021BCPZ32	ADUC7021 / ADUC7021BCPZ32-RL7
ADUC7021 / ADUC7021BCPZ62	ADUC7021 / ADUC7021BCPZ62-RL	ADUC7021 / ADUC7021BCPZ62-RL7	ADUC7021 / ADUC7021BCPZ62	ADUC7021 / ADUC7021BCPZ62-RL
ADUC7021 / ADUC70SMARTLINKRL7	ADUC7022 / ADUC7022BCPZ32	ADUC7022 / ADUC7022BCPZ32-RL	ADUC7022 / ADUC7022BCPZ62	ADUC7022 / ADUC7022BCPZ62-RL7
ADV7125 / ADV7125WBCPZ170	ADV7125 / ADV7125WBCPZ170-RL			

Removed Parts On All Revisions - Product Family / Model Number (37)

AD7651 / AD7651ACPZ	AD7651 / AD7651ACPZRL	AD7652 / AD7652ACPZ	AD7652 / AD7652ACPZRL	AD7653 / AD7653ACPZ
AD7653 / AD7653ACPZRL	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	ADE8155 / ADE8155ACPZ-01	ADE8155 / ADE8155ACPZRL-01
ADN2841 / ADN2841ACPZ-32	ADN2841 / ADN2841ACPZ-32-RL	ADN2841 / ADN2841ACPZ-32-RL7	ADN2847 / ADN2847ACPZ-32	ADN2847 / ADN2847ACPZ-32-RL
ADN2847 / ADN2847ACPZ-32-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

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	20-Mar-2014	12-Mar-2015	Initial Release
Rev. A	10-Apr-2014	09-Apr-2014	Remove parts not changing
Rev. B	10-Dec-2014	10-Mar-2015	Add parts Change in die attach material
Rev. C	29-Apr-2015	29-Apr-2015	Change CP-48-10 to CP-48-4 in Package Outline Drawing Attachment 3.

Analog Devices, Inc.

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