



Product/Process Change Notice - PCN 14_0178 Rev. A

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 3x3mm, 4x4mm and 5x5mm LFCSP Package Outlines from Punch to Sawn and Transfer of Assembly Site to Amkor Philippines

Publication Date: 04-May-2016

Effectivity Date: 04-May-2016 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Package Outline Drawing attachment correction for CP-16-23 and CP-16-20

Description Of Change

ADI has qualified and will be utilizing Assembly subcontractor Amkor in the Philippines for select 3x3mm, 4x4mm and 5x5mm LFCSP products. ADI has also qualified Amkor's standard bill of materials in a SAWN singulated leadframe. There will be no change to the 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 AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Qualification Results Summary.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_14_0178_Rev_A_Qualification Summary Attachment.pdf

Attachment 2: Type: Detailed Change Description

ADI_PCN_14_0178_Rev_A_BOM.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 (41)

| | | | | |
|-------------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| AD7147 / AD7147ACPZ-1500RL7 | AD7147 / AD7147ACPZ-1REEL | AD7147 / AD7147ACPZ-500RL7 | AD7147 / AD7147ACPZ-REEL | AD7147 / AD7147PACPZ-1500R7 |
| AD7147 / AD7147PACPZ-1RL | AD7147 / AD7147PACPZ-500R7 | AD7147 / AD7147PACPZ-RL | AD7147 / AD7147WPACPZ-1500R | AD7147 / AD7147WPACPZ-1RL |
| AD7147 / AD7147WPACPZ-500R7 | AD7147 / AD7147WPACPZ-RL | AD7877 / AD7877WACPZ-REEL7 | AD7879 / AD7879-1ACPZ-500R7 | AD7879 / AD7879-1ACPZ-RL |
| AD7879 / AD7879-1WACPZ-RL | AD7879 / AD7879-1WACPZ-RL7 | AD7879 / AD7879ACPZ-500R7 | AD7879 / AD7879ACPZ-RL | AD7879 / AD7879WACPZ-R5 |
| AD7879 / AD7879WACPZ-RL | AD8145 / AD8145WYCPZ-R7 | AD8231 / AD8231ACPZ-R7 | AD8231 / AD8231ACPZ-RL | AD8231 / AD8231WACPZ-RL |
| AD8465 / AD8465WBCPZ-R7 | AD8556 / AD85560002CPZR7 | AD8556 / AD8556ACPZ-R2 | AD8556 / AD8556ACPZ-REEL | AD8556 / AD8556ACPZ-REEL7 |
| ADA4853-3 / ADA4853-3WYCPZ-R7 | ADF4193 / ADF4193WCCPZ-RL7 | ADG1411 / ADG1411WBCPZ-REEL | ADG1411 / ADG1411YCPZ-REEL | ADG1411 / ADG1411YCPZ-REEL7 |
| ADG2128 / ADG2128WBCPZ-REEL7 | ADG2188 / ADG2188BCPZ-HS-RL7 | ADG2188 / ADG2188BCPZ-REEL7 | ADG2188 / ADG2188YCPZ-HS-RL7 | ADG2188 / ADG2188YCPZ-REEL7 |
| ADG2188 / ADW54012Z-0REEL7 | | | | |

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|---|
| Rev. - | 03-Oct-2014 | 01-Jan-2015 | Initial Release |
| Rev. A | 04-May-2016 | 04-May-2016 | Package Outline Drawing attachment correction for CP-16-23 and CP-16-20 |

Analog Devices, Inc.

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