



Product/Process Change Notice - PCN 13_0223 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 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: Assembly and Test Transfer of Select 2x3 and 3x3mm LFCSP Products to STATS ChipPAC China

Publication Date: 07-Nov-2013

Effectivity Date: 18-May-2014 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Remove FG models not applicable to this PCN.
Revise qualification plan to correct sample sizes.

Description Of Change

ADI is transferring to subcontractor STATS ChipPAC China for the assembly and test manufacturing of ADI products in 2x3 and 3x3mm LFCSP packages. The package outline dimensions and BOM of each product will be maintained.

Reason For Change

ADI is transferring to STATS ChipPAC China due to the closure of STATS ChipPAC Malaysia at the end of 2014.

ADI's assembly subcontractors manufacture products using Analog Devices specified manufacturing flows, materials, process controls and monitors, ensuring the same level of quality and reliability on products they receive from the new site.

Impact of the change (positive or negative) on fit, form, function & reliability

The transfer will have no impact on the form, fit, function and reliability of the devices.

Product Identification *(this section will describe how to identify the changed material)*

The parts that will be assembled after the transfer will be identified by assembly lot and the country of origin.

Summary of Supporting Information

Qualification will be performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Plan Summary. Test correlation and validation will also be performed.

Supporting Documents

Attachment 1: Type: Qualification Plan Summary

ADI_PCN_13_0223_Rev_A_Reliability Qualification Plan.pdf

Attachment 2: Type: Test Correlation Plan

ADI_PCN_13_0223_Rev_A_Test Plan.pptx

Attachment 3: Type: Detailed Change Description

ADI_PCN_13_0223_Rev_A_BOM.pptx

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

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 (186)

AD5121 / AD5121BCPZ10-RL7	AD5121 / AD5121BCPZ100-RL7	AD5122 / AD5122BCPZ10-RL7	AD5122 / AD5122BCPZ100-RL7	AD5122A / AD5122ABCPZ10-RL7
AD5122A / AD5122ABCPZ100-RL7	AD5123 / AD5123BCPZ10-RL7	AD5123 / AD5123BCPZ100-RL7	AD5141 / AD5141BCPZ10-RL7	AD5141 / AD5141BCPZ100-RL7
AD5142 / AD5142BCPZ10-RL7	AD5142 / AD5142BCPZ100-RL7	AD5142A / AD5142ABCPZ10-RL7	AD5142A / AD5142ABCPZ100-RL7	AD5143 / AD5143BCPZ10-RL7
AD5143 / AD5143BCPZ100-RL7	AD5313R / AD5313RBCPZ-RL7	AD5316R / AD5316RBCPZ-RL7	AD5317R / AD5317RBCPZ-RL7	AD5338R / AD5338RBCPZ-RL7
AD5512A / AD5512AACPZ-500RL7	AD5512A / AD5512AACPZ-REEL7	AD5541A / AD5541AACPZ-REEL7	AD5541A / AD5541ABCPZ-1-RL7	AD5541A / AD5541ABCPZ-500RL7
AD5541A / AD5541ABCPZ-REEL7	AD5542A / AD5542AACPZ-REEL7	AD5542A / AD5542ABCPZ-1-RL7	AD5542A / AD5542ABCPZ-500RL7	AD5542A / AD5542ABCPZ-REEL7
AD5601 / AD5601BCPZ-RL7	AD5602 / AD5602BCPZ-2-RL7	AD5611 / AD5611ACPZ-RL7	AD5612 / AD5612ACPZ-2-RL7	AD5621 / AD5621ACPZ-RL7
AD5622 / AD5622ACPZ-2-RL7	AD5623R / AD5623HUAWEI-DIE	AD5623R / AD5623RACPZ-5REEL7	AD5623R / AD5623RBCPZ-3R2	AD5623R / AD5623RBCPZ-3REEL7
AD5623R / AD5623RBCPZ-5REEL7	AD5624 / AD5624BCPZ-R2	AD5624 / AD5624BCPZ-REEL7	AD5624R / AD5624RBCPZ-3R2	AD5624R / AD5624RBCPZ-3REEL7
AD5624R / AD5624RBCPZ-5R2	AD5624R / AD5624RBCPZ-5REEL7	AD5625R / AD5625RACPZ-REEL7	AD5641 / AD5641ACPZ-REEL7	AD5645R / AD5645RBCPZ-R2
AD5645R / AD5645RBCPZ-REEL7	AD5645R / AD80008Z-0RL7	AD5684 / AD5684BCPZ-RL7	AD5684R / AD5684RBCPZ-RL7	AD5685R / AD5685RBCPZ-RL7
AD5686 / AD5686ACPZ-RL7	AD5686 / AD5686BCPZ-RL7	AD5686R / AD5686RACPZ-RL7	AD5686R / AD5686RBCPZ-RL7	AD5687 / AD5687BCPZ-RL7
AD5687R / AD5687RBCPZ-RL7	AD5688 / AD5688BCPZ-RL7	AD5688R / AD5688RACPZ-RL7	AD5688R / AD5688RBCPZ-RL7	AD5694 / AD5694BCPZ-RL7
AD5694R / AD5694RBCPZ-RL7	AD5695R / AD5695RBCPZ-RL7	AD5696 / AD5696ACPZ-RL7	AD5696 / AD5696BCPZ-RL7	AD5696R / AD5696RACPZ-RL7
AD5696R / AD5696RBCPZ-RL7	AD5697R / AD5697RBCPZ-RL7	AD8338 / AD8338ACPZ-R7	AD8338 / AD8338ACPZ-RL	AD8657 / AD8657ACPZ-R7
AD8657 / AD8657ACPZ-RL	AD9837 / AD9837ACPZ-RL	AD9837 / AD9837ACPZ-RL7	AD9837 / AD9837BCPZ-RL	AD9837 / AD9837BCPZ-RL7
ADA4084-2 / ADA4084-2ACPZ-R7	ADA4084-2 / ADA4084-2ACPZ-RL	ADA4096-4 / ADA4096-4ACPZ-R7	ADA4096-4 / ADA4096-4ACPZ-RL	ADA4500-2 / ADA4500-2ACPZ-R7
ADA4500-2 / ADA4500-2ACPZ-RL	ADA4528-1 / ADA4528-1ACPZ-R2	ADA4528-1 / ADA4528-1ACPZ-R7	ADA4528-1 / ADA4528-1ACPZ-RL	ADA4528-2 / ADA4528-2ACPZ-R7
ADA4528-2 / ADA4528-2ACPZ-RL	ADA4638-1 / ADA4638-1ACPZ-R7	ADA4638-1 / ADA4638-1ACPZ-RL	ADA4661-2 / ADA4661-2ACPZ-R7	ADA4661-2 / ADA4661-2ACPZ-RL
ADA4666-2 / ADA4666-2ACPZ-R7	ADA4666-2 / ADA4666-2ACPZ-RL	ADA4960-1 / ADA4960-1ACPZ-R2	ADA4960-1 / ADA4960-1ACPZ-R7	ADA4960-1 / ADA4960-1ACPZ-RL
ADCLK944 / ADCLK944BCPZ-R2	ADCLK944 / ADCLK944BCPZ-R7	ADD5205 / ADD5205ACPZ-RL	ADG4612 / ADG4612BCPZ-REEL7	ADG4613 / ADG4613BCPZ-REEL7
ADG5401 / ADG5401BCPZ-U1	ADG5419 / ADG5419BCPZ-U1	ADG5421 / ADG5421BCPZ-U1	ADG5423 / ADG5423BCPZ-U1	ADP1614 / ADP1614ACPZ-1.3-R7
ADP1614 / ADP1614ACPZ-650-R7	ADP1614 / ADP1614ACPZ-R7	ADP1650 / ADP1650ACPZ-R7	ADP1870 / ADP1870ACPZ-0.3-R7	ADP1870 / ADP1870ACPZ-0.6-R7
ADP1870 / ADP1870ACPZ-1.0-R7	ADP1871 / ADP1871ACPZ-0.3-R7	ADP1871 / ADP1871ACPZ-0.6-R7	ADP1871 / ADP1871ACPZ-1.0-R7	ADP1880 / ADP1880ACPZ-R7
ADP2119 / ADP2119ACPZ-1.0-R7	ADP2119 / ADP2119ACPZ-1.2-R7	ADP2119 / ADP2119ACPZ-1.5-R7	ADP2119 / ADP2119ACPZ-1.8-R7	ADP2119 / ADP2119ACPZ-2.5-R7
ADP2119 / ADP2119ACPZ-3.3-R7	ADP2119 / ADP2119ACPZ-R7	ADP2120 / ADP2120ACPZ-1.0-R7	ADP2120 / ADP2120ACPZ-1.2-R7	ADP2120 / ADP2120ACPZ-1.5-R7
ADP2120 / ADP2120ACPZ-1.8-R7	ADP2120 / ADP2120ACPZ-2.5-R7	ADP2120 / ADP2120ACPZ-3.3-R7	ADP2120 / ADP2120ACPZ-R7	ADP2370 / ADP2370ACPZ-1.2-R7
ADP2370 / ADP2370ACPZ-1.5-R7	ADP2370 / ADP2370ACPZ-1.8-R7	ADP2370 / ADP2370ACPZ-2.5-R7	ADP2370 / ADP2370ACPZ-3.0-R7	ADP2370 / ADP2370ACPZ-3.3-R7
ADP2370 / ADP2370ACPZ-5.0-R7	ADP2370 / ADP2370ACPZ-R2	ADP2370 / ADP2370ACPZ-R7	ADP2371 / ADP2371ACPZ-1.2-R7	ADP2371 / ADP2371ACPZ-1.8-R7
ADP2371 / ADP2371ACPZ-3.3-R7	ADP2371 / ADP2371ACPZ-R7	ADP2441 / ADP2441ACPZ-R2	ADP2441 / ADP2441ACPZ-R7	ADP2442 / ADP2442ACPZ-R7
ADP320 / ADP320ACPZ-110-R7	ADP320 / ADP320ACPZ331815R7	ADP322 / ADP322ACPZ-115-R7	ADP322 / ADP322ACPZ-135-R7	ADP322 / ADP322ACPZ-145-R7
ADP322 / ADP322ACPZ-155-R7	ADP322 / ADP322ACPZ-165-R7	ADP322 / ADP322ACPZ-175-R7	ADP322 / ADP322ACPZ-189-R7	ADP323 / ADP323ACPZ-R7
ADP5585 / ADP5585ACPZ-00-R7	ADP5585 / ADP5585ACPZ-01-R7	ADP5585 / ADP5585ACPZ-03-R7	ADP7102 / ADP7102ACPZ-1.5-R7	ADP7102 / ADP7102ACPZ-1.8-R7
ADP7102 / ADP7102ACPZ-2.5-R7	ADP7102 / ADP7102ACPZ-3.0-R7	ADP7102 / ADP7102ACPZ-3.3-R7	ADP7102 / ADP7102ACPZ-5.0-R7	ADP7102 / ADP7102ACPZ-9.0-R7
ADP7102 / ADP7102ACPZ-R7	ADP7104 / ADP7104ACPZ-1.5-R7	ADP7104 / ADP7104ACPZ-1.8-R7	ADP7104 / ADP7104ACPZ-2.5-R7	ADP7104 / ADP7104ACPZ-3.0-R7
ADP7104 / ADP7104ACPZ-3.3-R7	ADP7104 / ADP7104ACPZ-5.0-R7	ADP7104 / ADP7104ACPZ-9.0-R7	ADP7104 / ADP7104ACPZ-R7	ADP7105 / ADP7105ACPZ-1.8-R7
ADP7105 / ADP7105ACPZ-3.3-R7	ADP7105 / ADP7105ACPZ-5.0-R7	ADP7105 / ADP7105ACPZ-R2	ADP7105 / ADP7105ACPZ-R7	ADP7182 / ADP7182ACPZ-5.0-R7
ADP7182 / ADP7182ACPZ-R7				

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

ADM7150 / ADM7150ACPZ-3.3-R2	ADM7150 / ADM7150ACPZ-3.3-R7	ADM7150 / ADM7150ACPZ-4.5-R2	ADM7150 / ADM7150ACPZ-4.5-R7	ADM7150 / ADM7150ACPZ-4.8-R2
ADM7150 / ADM7150ACPZ-4.8-R7	ADM7150 / ADM7150ACPZ-5.0-R2	ADM7150 / ADM7150ACPZ-5.0-R7	ADM7151 / ADM7151ACPZ-02-R2	ADM7151 / ADM7151ACPZ-02-R7
ADM7151 / ADM7151ACPZ-04-R2	ADM7151 / ADM7151ACPZ-04-R7	ADP2230 / ADP2230ACPZ-1218R7	ADP2230 / ADP2230ACPZ-1233R7	ADP2230 / ADP2230ACPZ-1833R7
ADP2230 / ADP2230ACPZ-R7				

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	18-Oct-2013	18-May-2014	Initial Release
Rev. A	07-Nov-2013	18-May-2014	Remove FG models not applicable to this PCN. Revise qualification plan to correct sample sizes.

Analog Devices, Inc.

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