



## Product/Process Change Notice - PCN 13\_0230 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:** Assembly and Test Transfer of Select 3.5x3.5, 4x3, 4x4, and 5x5mm LFCSP Products to STATS ChipPAC China

**Publication Date:** 24-Dec-2013

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

### Revision Description:

Add parts

### Description Of Change

ADI is transferring to subcontractor STATS ChipPAC China for the assembly and test manufacturing of ADI 3.5x3.5, 4x3, 4x4, and 5x5mm LFCSP products. 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\_0230\_Rev\_B\_Reliability Qualification Plan.pdf

**Attachment 2: Type:** Test Correlation Plan

ADI\_PCN\_13\_0230\_Rev\_B\_Test Qualification Plan.pptx

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

ADI\_PCN\_13\_0230\_Rev\_B\_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 (148)**

AD5124 / AD5124BCPZ10-RL7	AD5124 / AD5124BCPZ100-RL7	AD5144 / AD5144BCPZ10-RL7	AD5144 / AD5144BCPZ100-RL7	AD5628 / AD5628ACPZ-1-RL7
AD5628 / AD5628ACPZ-2-RL7	AD5628 / AD5628BCPZ-2-RL7	AD5629R / AD5629RACPZ-2-RL7	AD5629R / AD5629RACPZ-3-RL7	AD5629R / AD5629RBCPZ-1-RL7
AD5629R / AD5629RBCPZ-2-RL7	AD5668 / AD5668ACPZ-2-RL7	AD5668 / AD5668ACPZ-3-RL7	AD5668 / AD5668BCPZ-1-RL7	AD5668 / AD5668BCPZ-1500RL7
AD5668 / AD5668BCPZ-2-RL7	AD5668 / AD5668BCPZ-2500RL7	AD5669R / AD5669RACPZ-2-RL7	AD5669R / AD5669RACPZ-3-RL7	AD5669R / AD5669RBCPZ-1-RL7
AD5669R / AD5669RBCPZ-1500R7	AD5669R / AD5669RBCPZ-2-RL7	AD5669R / AD5669RBCPZ-2500R7	AD5700 / AD5700ACPZ-RL7	AD5700 / AD5700BCPZ-R5
AD5700 / AD5700BCPZ-RL7	AD5700-1 / AD5700-1ACPZ-RL7	AD5700-1 / AD5700-1BCPZ-R5	AD5700-1 / AD5700-1BCPZ-RL7	AD7195 / AD42334Z-ORL
AD7195 / AD7195BCPZ	AD7195 / AD7195BCPZ-RL	AD7195 / AD7195BCPZ-RL7	AD8659 / AD8659ACPZ-R7	AD8659 / AD8659ACPZ-RL
AD9838 / AD9838ACPZ-RL	AD9838 / AD9838ACPZ-RL7	AD9838 / AD9838BCPZ-RL	AD9838 / AD9838BCPZ-RL7	AD9943 / AD9943KCPZ
AD9943 / AD9943KCPZRL	AD9944 / AD9944KCPZ	AD9944 / AD9944KCPZRL	ADA4610-4 / ADA4610-4ACPZ-R7	ADA4610-4 / ADA4610-4ACPZ-RL
ADD5201 / ADD52010001CPZR	ADD5201 / ADD5201BCPZ-RL	ADD5203 / ADD5203ACPZ-RL	ADD5207 / ADD5207ACPZ-RL	ADF4001 / ADF4001BCPZ
ADF4001 / ADF4001BCPZ-RL	ADF4001 / ADF4001BCPZ-RL7	ADF4107 / ADF4107BCPZ	ADF4107 / ADF4107BCPZ-REEL	ADF4107 / ADF4107BCPZ-REEL7
ADF4113 / ADF4113BCPZ	ADF4113 / ADF4113BCPZ-RL	ADF4113 / ADF4113BCPZ-RL7	ADF4153A / ADF4153ABCAPZ	ADF4153A / ADF4153ABCAPZ-RL7
ADF4193 / ADF4193BCPZ	ADF4193 / ADF4193BCPZ-RL	ADF4193 / ADF4193BCPZ-RL7	ADG5234 / ADG5234BCPZ-RL7	ADG5434 / ADG5434BCPZ-REEL7
ADM1075 / AD51095Z-ORL7	ADM1075 / ADM1075-1ACPZ	ADM1075 / ADM1075-1ACPZ-RL7	ADM1075 / ADM1075-2ACPZ	ADM1075 / ADM1075-2ACPZ-RL7
ADM1275 / ADM1275-1ACPZ	ADM1275 / ADM1275-1ACPZ-R7	ADM1275 / ADM1275-3ACPZ	ADM1275 / ADM1275-3ACPZ-R7	ADM1276 / AD59001Z-ORL
ADM1276 / AD59002Z-ORL	ADM1276 / ADM1276-3ACPZ	ADM1276 / ADM1276-3ACPZ-RL	ADN4670 / ADN4670BCPZ	ADN4670 / ADN4670BCPZ-REEL7
ADP1046 / ADP1046ACPZ-R7	ADP1046 / ADP1046ACPZ-RL	ADP1051 / ADP1051ACPZ-R7	ADP1051 / ADP1051ACPZ-RL	ADP1828 / ADP1828ACPZ-R7
ADP1850 / ADP1850ACPZ-R7	ADP1851 / ADP1851ACPZ-R7	ADP1853 / ADP1853ACPZ-R7	ADP1876 / ADP1876ACPZ-R7	ADP1878 / ADP1878ACPZ-0.3-R7
ADP1878 / ADP1878ACPZ-0.6-R7	ADP1878 / ADP1878ACPZ-1.0-R7	ADP1879 / ADP1879ACPZ-0.3-R7	ADP1879 / ADP1879ACPZ-0.6-R7	ADP1879 / ADP1879ACPZ-1.0-R7
ADP2164 / ADP2164ACPZ-1.0-R7	ADP2164 / ADP2164ACPZ-1.2-R7	ADP2164 / ADP2164ACPZ-1.5-R7	ADP2164 / ADP2164ACPZ-1.8-R7	ADP2164 / ADP2164ACPZ-2.5-R7
ADP2164 / ADP2164ACPZ-3.3-R7	ADP2164 / ADP2164ACPZ-R7	ADP2323 / ADP2323ACPZ-R7	ADP2325 / ADP2325ACPZ-R7	ADP5023 / ADP5023ACPZ-1-R7
ADP5023 / ADP5023ACPZ-2-R7	ADP5023 / ADP5023ACPZ-R2	ADP5023 / ADP5023ACPZ-R7	ADP5024 / ADP5024ACPZ-1-R7	ADP5024 / ADP5024ACPZ-2-R7
ADP5024 / ADP5024ACPZ-R2	ADP5024 / ADP5024ACPZ-R7	ADP5034 / ADP5034ACPZ-1-R7	ADP5034 / ADP5034ACPZ-2-R7	ADP5034 / ADP5034ACPZ-3-R7
ADP5034 / ADP5034ACPZ-R2	ADP5034 / ADP5034ACPZ-R7	ADP5037 / ADP5037ACPZ-1-R7	ADP5037 / ADP5037ACPZ-2-R7	ADP5037 / ADP5037ACPZ-3-R7
ADP5037 / ADP5037ACPZ-R7	ADP5040 / ADP5040ACPZ-1-R7	ADP5041 / ADP5041ACPZ-1-R7	ADP5042 / ADP50420001CPZR	ADP5042 / ADP50420002CPZR
ADP5042 / ADP5042ACPZ-1-R7	ADP5042 / ADP5042ACPZ-2-R7	ADP5043 / ADP5043ACPZ-1-R7	ADP5062 / ADP5062ACPZ-1-R7	ADP5063 / ADP5063ACPZ-1-R7
ADP5070 / ADP5070ACPZ	ADP5070 / ADP5070ACPZ-R7	ADP5587 / ADP5587ACPZ-R7	ADP5588 / ADP5588ACPZ-R7	ADP5589 / ADP5589ACPZ-00-R7
ADP5589 / ADP5589ACPZ-01-R7	ADP5589 / ADP5589ACPZ-02-R7	ADP8866 / ADP8866ACPZ-R7	ADP8870 / ADP8870ACPZ-R7	ADUX1011B / ADUX1011BBCPZ-RL
ADUX1011B / ADUX1011BBCPZ-RL7	SSM2518 / SSM2518CPZ	SSM2518 / SSM2518CPZ-R7	SSM2518 / SSM2518CPZ-RL	SSM2602 / SSM2602CPZ-REEL
SSM2602 / SSM2602CPZ-REEL7	SSM2603 / SSM2603CPZ-REEL	SSM2603 / SSM2603CPZ-REEL7		

**Added Parts On This Revision - Product Family / Model Number (2)**

AD9945 / AD9945KCPZ	AD9945 / AD9945KCPZRL7			
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**Removed Parts On All Revisions - Product Family / Model Number (62)**

AD7124 / AD7124-4BCPZ	AD7124 / AD7124-4BCPZ-RL	AD7124 / AD7124-4BCPZ-RL7	AD7124 / AD7124-8BCPZ	AD7124 / AD7124-8BCPZ-RL
AD7124 / AD7124-8BCPZ-RL7	ADA4084-4 / ADA4084-4ACPZ-R7	ADA4084-4 / ADA4084-4ACPZ-RL	ADD5211 / ADD5211ACPZ-R7	ADD5211 / ADD5211ACPZ-RL
ADE7953 / AD71133ACPZ	ADE7953 / AD71133ACPZ-RL	ADE7953 / AD71133ACPZ	ADE7953 / AD71133ACPZ-RL	ADE7953 / ADE7953ACPZ
ADE7953 / ADE7953ACPZ-RL	ADE7978 / ADE7978ACPZ	ADE7978 / ADE7978ACPZ-RL	ADE7978 / ADE7978KCPZ	ADF4300 / ADF4300BCPZ
ADF4300 / ADF4300BCPZ-RL7	ADG5204 / ADG5204BCPZ-RL7	ADG5208 / ADG5208BCPZ-RL7	ADG5209 / ADG5209BCPZ-RL7	ADG5212 / ADG5212BCPZ-RL7
ADG5213 / ADG5213BCPZ-RL7	ADG5233 / ADG5233BCPZ-RL7	ADG5236 / ADG5236BCPZ-RL7	ADG5404 / ADG5404BCPZ-REEL7	ADG5409 / ADG5409BCPZ-REEL7
ADG5436 / ADG5436BCPZ-REEL7	ADM1278 / ADM1278-1ACPZ	ADM1278 / ADM1278-1ACPZ-RL	ADM1278 / ADM1278-1BCPZ	ADM1278 / ADM1278-1BCPZ-RL
ADM1278 / ADM1278-2ACPZ	ADM1278 / ADM1278-2ACPZ-RL	ADM1278 / ADM1278-3ACPZ	ADM1278 / ADM1278-3ACPZ-RL	ADP1050 / ADP1050ACPZ-R7
ADP1055 / ADP1055ACPZ-R7	ADP2165 / ADP2165ACPZ-1.0-R7	ADP2165 / ADP2165ACPZ-1.2-R7	ADP2165 / ADP2165ACPZ-1.5-R7	ADP2165 / ADP2165ACPZ-1.8-R7
ADP2165 / ADP2165ACPZ-2.5-R7	ADP2165 / ADP2165ACPZ-3.3-R7	ADP2165 / ADP2165ACPZ-R7	ADP2166 / ADP2166ACPZ-1.0-R7	ADP2166 / ADP2166ACPZ-1.2-R7
ADP2166 / ADP2166ACPZ-1.5-R7	ADP2166 / ADP2166ACPZ-1.8-R7	ADP2166 / ADP2166ACPZ-2.5-R7	ADP2166 / ADP2166ACPZ-3.3-R7	ADP2166 / ADP2166ACPZ-R7
ADP2311 / ADP2311ACPZ-1-R7	ADP2311 / ADP2311ACPZ-2-R7	ADP2311 / ADP2311ACPZ-3-R7	ADP2311 / ADP2311ACPZ-4-R7	ADP5062 / ADP5062ACPZ-2-R7



**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	23-Oct-2013	18-May-2014	Initial Release
Rev. A	12-Nov-2013	18-May-2014	Remove FG models not applicable to this PCN. Revise qualification plan to correct sample sizes.
Rev. B	24-Dec-2013	18-May-2014	Add parts

Analog Devices, Inc.

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