



## Product/Process Change Notice - PCN 16\_0036 Rev. B

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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:** Assembly Relocation to Stats ChipPAC Jiangyin and Test Transfer to Stats ChipPAC Singapore of Select LFCSP Products

**Publication Date:** 06-May-2016

**Effectivity Date:** 14-Jun-2016 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Added qualification results of commercial Mini-LFCSP and LFCSP devices.

### Description Of Change

The assembly of select LFCSP, Mini LFCSP and Side Solderable LFCSP products is relocating from STATS ChipPAC China Shanghai to STATS ChipPAC China Jiangyin. The testing will transfer from STATS ChipPAC China Shanghai to STATS ChipPAC Singapore. The package outline dimensions and BOM of each product will be maintained.

### Reason For Change

ADI Assembly is transferring to STATS ChipPAC China Jiangyin and Test will move to STATS ChipPAC Singapore due to the relocation of STATS ChipPAC China Shanghai at the end of September 2017.

ADI's assembly and test 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 and tested after the transfer will be identified by assembly lot and the country of origin.

### Summary of Supporting Information

Qualifications are in process per AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Qualification Plans and Summaries. Test Correlation and validation will be performed, see the attached Test Qual Plan.

### Comments

This applies for all packing/reel options.

During the transition to the New Assembly and Test Site, products will be Assembled and Tested from the either Current or New Assembly and Test Site.

Example: SCC Assembly and Test to SC3 Assembly and STA Test,

the customers may receive products that are assembled at either SCC or SC3 and tested at either SCC or STA.

## Supporting Documents

**Attachment 1: Type:** Qualification Results Summary

ADI\_PCN\_16\_0036\_Rev\_B\_Qual Results Summary for LFCSP Commercial.pdf

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**Attachment 2: Type:** Qualification Results Summary

ADI\_PCN\_16\_0036\_Rev\_B\_Qual Results Summary for Mini-LFCSP Commercial.pdf

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**Attachment 3: Type:** Qualification Plan

ADI\_PCN\_16\_0036\_Rev\_B\_Qual Plan Summary for LFCSP\_SS Automotive.pdf

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**Attachment 4: Type:** Test Correlation Plan

ADI\_PCN\_16\_0036\_Rev\_B\_Test Correlation Plan.ppt

**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 (266)

AD2401W / AD2401WCCSZ	AD2401W / AD2401WCCSZ-RL	AD2402W / AD2402WCCSZ	AD2402W / AD2402WCCSZ-RL	AD5110 / AD5110BCPZ10-1-RL7
AD5110 / AD5110BCPZ10-500R7	AD5110 / AD5110BCPZ10-RL7	AD5110 / AD5110BCPZ80-1-RL7	AD5110 / AD5110BCPZ80-500R7	AD5110 / AD5110BCPZ80-RL7
AD5111 / AD5111BCPZ10-500R7	AD5111 / AD5111BCPZ10-RL7	AD5111 / AD5111BCPZ80-500R7	AD5111 / AD5111BCPZ80-RL7	AD5112 / AD5112BCPZ10-1-RL7
AD5112 / AD5112BCPZ10-500R7	AD5112 / AD5112BCPZ10-RL7	AD5112 / AD5112BCPZ5-1-RL7	AD5112 / AD5112BCPZ5-500R7	AD5112 / AD5112BCPZ5-RL7
AD5112 / AD5112BCPZ80-1-RL7	AD5112 / AD5112BCPZ80-500R7	AD5112 / AD5112BCPZ80-RL7	AD5113 / AD5113BCPZ10-500R7	AD5113 / AD5113BCPZ10-RL7
AD5113 / AD5113BCPZ5-500R7	AD5113 / AD5113BCPZ5-RL7	AD5113 / AD5113BCPZ80-500R7	AD5113 / AD5113BCPZ80-RL7	AD5114 / AD5114BCPZ10-1-RL7
AD5114 / AD5114BCPZ10-500R7	AD5114 / AD5114BCPZ10-RL7	AD5114 / AD5114BCPZ80-1-RL7	AD5114 / AD5114BCPZ80-500R7	AD5114 / AD5114BCPZ80-RL7
AD5115 / AD5115BCPZ10-500R7	AD5115 / AD5115BCPZ10-RL7	AD5115 / AD5115BCPZ80-500R7	AD5115 / AD5115BCPZ80-RL7	AD5116 / AD5116BCPZ10-500R7
AD5116 / AD5116BCPZ10-RL7	AD5116 / AD5116BCPZ5-500R7	AD5116 / AD5116BCPZ5-RL7	AD5116 / AD5116BCPZ80-500R7	AD5116 / AD5116BCPZ80-RL7
AD5601 / AD5601BCPZ-RL7	AD5602 / AD5602BCPZ-2-RL7	AD5611 / AD5611ACPZ-RL7	AD5612 / AD5612ACPZ-2-RL7	AD5621 / AD5621ACPZ-RL7
AD5622 / AD5622ACPZ-2-RL7	AD5625R / AD5625RACPZ-REEL7	AD5641 / AD5641ACPZ-REEL7	AD5681R / AD5681RBCPZ-1RL7	AD5681R / AD5681RBCPZ-RL7
AD5682R / AD5682RBCPZ-RL7	AD5683 / AD5683BCPZ-RL7	AD5683R / AD5683RACPZ-1RL7	AD5683R / AD5683RACPZ-2RL7	AD5683R / AD5683RACPZ-RL7
AD5683R / AD5683RBCPZ-1RL7	AD5683R / AD5683RBCPZ-RL7	AD5691R / AD5691RACPZ-1RL7	AD5691R / AD5691RBCPZ-RL7	AD5692R / AD5692RACPZ-RL7
AD5693 / AD5693BCPZ-RL7	AD5693R / AD5693RACPZ-1RL7	AD5693R / AD5693RACPZ-RL7	AD5693R / AD5693RBCPZ-2RL7	AD7091 / AD7091BCPZ-RL
AD7091 / AD7091BCPZ-RL7	AD7179-4 / AD7179-4BCPZ	AD7179-4 / AD7179-4BCPZ-RL	AD7179-4 / AD7179-4BCPZ-RL7	AD7685 / AD7685ACPZRL7
AD7685 / AD7685BCPZRL7	AD7685 / AD7685CCPZRL	AD7685 / AD7685CCPZRL7	AD7686 / AD7686BCPZRL7	AD7686 / AD7686CCPZRL7
AD7687 / AD7687BCPZRL7	AD7688 / AD7688BCPZRL7	AD7942 / AD7942BCPZRL7	AD7946 / AD7946BCPZRL7	AD9837 / AD9837ACPZ-RL
AD9837 / AD9837ACPZ-RL7	AD9837 / AD9837BCPZ-RL	AD9837 / AD9837BCPZ-RL7	AD9838 / AD9838ACPZ-RL	AD9838 / AD9838ACPZ-RL7
AD9838 / AD9838BCPZ-RL	AD9838 / AD9838BCPZ-RL7	AD9943 / AD9943KCPZ	AD9943 / AD9943KCPZRL	AD9944 / AD9944KCPZ
AD9944 / AD9944KCPZRL	AD9945 / AD80281KCPZRL7	AD9945 / AD9945KCPZ	AD9945 / AD9945KCPZRL7	ADA4096-2 / ADA4096-2ACPZ-R7
ADA4096-2 / ADA4096-2ACPZ-RL	ADA4800 / ADA4800ACPZ-R7	ADA4800 / ADA4800ACPZ-RL	ADAU1372 / AD71169BCPZ	ADAU1372 / AD71169BCPZRL
ADAU1372 / ADAU1372BCPZ	ADAU1372 / ADAU1372BCPZRL	ADCLK944 / ADCLK944BCPZ-R7	ADD5207 / ADD5207ACPZ-RL	ADDI7018 / ADDI7018BCPZ
ADDI7018 / ADDI7018BCPZRL	ADF4001 / ADF4001BCPZ	ADF4001 / ADF4001BCPZ-RL7	ADF4107 / ADF4107BCPZ	ADF4107 / ADF4107BCPZ-REEL
ADF4107 / ADF4107BCPZ-REEL7	ADF4113 / ADF4113BCPZ	ADF4113 / ADF4113BCPZ-RL7	ADF4153 / ADF4153BCPZ	ADF4153 / ADF4153BCPZ-RL
ADF4153 / ADF4153BCPZ-RL7	ADF4153A / ADF4153ABCAPZ	ADF4153A / ADF4153ABCAPZ-RL7	ADF4193 / ADF4193BCPZ	ADF4193 / ADF4193BCPZ-RL
ADF4193 / ADF4193BCPZ-RL7	ADF7020 / AD45203Z-RL	ADF7020 / ADF7020BCPZ	ADF7020 / ADF7020BCPZ-RL	ADF7022 / ADF7022BCPZ
ADF7022 / ADF7022BCPZ-REEL	ADF7023 / AD57005Z-0RL	ADF7023 / ADF7023BCPZ	ADF7023 / ADF7023BCPZ-RL	ADF7024 / ADF7024BCPZ
ADF7024 / ADF7024BCPZ-RL	ADG5204 / ADG5204BCPZ-RL7	ADG5206 / ADG5206BCPZ-RL7	ADG5207 / ADG5207BCPZ-RL7	ADG5208 / ADG5208BCPZ-RL7
ADG5209 / ADG5209BCPZ-RL7	ADG5212 / ADG5212BCPZ-RL7	ADG5213 / ADG5213BCPZ-RL7	ADG5233 / ADG5233BCPZ-RL7	ADG5234 / ADG5234BCPZ-RL7
ADG5236 / ADG5236BCPZ-RL7	ADG5404 / ADG5404BCPZ-REEL7	ADG5408 / ADG5408BCPZ-REEL7	ADG5409 / ADG5409BCPZ-REEL7	ADG5413 / ADG5413BCPZ-REEL7
ADG5433 / ADG5433BCPZ-REEL7	ADG5436 / ADG5436BCPZ-REEL7	ADL5201 / ADL5201NSN-DIE	ADL5202 / ADL5202NSN-DIE	ADM1075 / ADM1075-1ACPZ
ADM1160 / ADM1160ACPZN1.8-R2	ADM1160 / ADM1160ACPZN1.8-R7	ADM1160 / ADM1160ACPZN2.5-R2	ADM1160 / ADM1160ACPZN2.5-R7	ADM1160 / ADM1160ACPZN3.3-R2
ADM1160 / ADM1160ACPZN3.3-R7	ADP122 / ADP122ACPZ-1.8-R7	ADP122 / ADP122ACPZ-2.0-R7	ADP122 / ADP122ACPZ-2.5-R7	ADP122 / ADP122ACPZ-2.6-R7
ADP122 / ADP122ACPZ-2.8-R7	ADP122 / ADP122ACPZ-3.0-R7	ADP122 / ADP122ACPZ-3.3-R7	ADP123 / ADP123ACPZ-R7	ADP124 / ADP124ACPZ-1.8-R7
ADP124 / ADP124ACPZ-2.8-R7	ADP124 / ADP124ACPZ-2.9-R7	ADP124 / ADP124ACPZ-3.0-R7	ADP124 / ADP124ACPZ-3.3-R7	ADP125 / ADP125ACPZ-R7
ADP151 / ADP151ACPZ-1.2-R7	ADP151 / ADP151ACPZ-1.5-R7	ADP151 / ADP151ACPZ-1.8-R7	ADP151 / ADP151ACPZ-2.5-R7	ADP151 / ADP151ACPZ-2.7-R7
ADP151 / ADP151ACPZ-2.8-R7	ADP151 / ADP151ACPZ-3.0-R7	ADP151 / ADP151ACPZ-3.3-R7	ADP1606 / ADP1606ACPZN1.8-R7	ADP1607 / ADP1607ACPZN-R7
ADP1607 / ADP1607ACPZN001-R7	ADP165 / ADP165ACPZN-1.2-R7	ADP165 / ADP165ACPZN-1.8-R7	ADP165 / ADP165ACPZN-2.3-R7	ADP165 / ADP165ACPZN-3.0-R7
ADP165 / ADP165ACPZN-3.3-R7	ADP165 / ADP165ACPZN-R7	ADP166 / ADP166ACPZN-1.2-R7	ADP166 / ADP166ACPZN-1.8-R7	ADP166 / ADP166ACPZN-2.3-R7
ADP166 / ADP166ACPZN-3.0-R7	ADP166 / ADP166ACPZN-3.3-R7	ADP166 / ADP166ACPZN-R7	ADP1877 / ADP1877ACPZ-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
ADP195 / ADP195ACPZ-R7	ADP196 / ADP196ACPZN-01-R7	ADP196 / ADP196ACPZN-21-R7	ADP196 / ADP196ACPZN-22-R7	ADP196 / ADP196ACPZN-31-R7
ADP196 / ADP196ACPZN-32-R7	ADP196 / ADP196ACPZN-R7	ADP197 / ADP197ACPZN-01-R7	ADP197 / ADP197ACPZN-02-R7	ADP198 / ADP198ACPZ-R7
ADP222 / ADP222ACPZ-1218-R7	ADP222 / ADP222ACPZ-1228-R7	ADP222 / ADP222ACPZ-1233-R7	ADP222 / ADP222ACPZ-1528-R7	ADP222 / ADP222ACPZ-1533-R7
ADP222 / ADP222ACPZ-1815-R7	ADP222 / ADP222ACPZ-1825-R7	ADP222 / ADP222ACPZ-1827-R7	ADP222 / ADP222ACPZ-1833-R7	ADP222 / ADP222ACPZ-2725-R7
ADP222 / ADP222ACPZ-2818-R7	ADP222 / ADP222ACPZ-2827-R7	ADP222 / ADP222ACPZ-3325-R7	ADP222 / ADP222ACPZ-3328-R7	ADP222 / ADP222ACPZ-3330-R7
ADP223 / ADP223ACPZ-R7	ADP224 / ADP224ACPZ-2818-R7	ADP225 / ADP225ACPZ-R7	ADP2384 / ADP2384ACPZN-R7	ADP2386 / ADP2386ACPZN-R7
ADP2387 / ADP2387ACPZN-R7	ADP5589 / ADP5589ACPZ-00-R7	ADP5589 / ADP5589ACPZ-01-R7	ADP5589 / ADP5589ACPZ-02-R7	ADP7118 / ADP7118ACPZN-R7

ADP7118 / ADP7118ACPZN1.8-R7	ADP7118 / ADP7118ACPZN2.5-R7	ADP7118 / ADP7118ACPZN3.3-R7	ADP7118 / ADP7118ACPZN5.0-R7	ADP7142 / ADP7142ACPZN-R7
ADP7142 / ADP7142ACPZN1.8-R7	ADP7142 / ADP7142ACPZN2.5-R7	ADP7142 / ADP7142ACPZN3.3-R7	ADP7142 / ADP7142ACPZN5.0-R7	ADP7182 / ADP7182ACPZN-1.2R7
ADP7182 / ADP7182ACPZN-1.5R7	ADP7182 / ADP7182ACPZN-2.5R7	ADP7182 / ADP7182ACPZN-5.0R7	ADP7182 / ADP7182ACPZN-R7	ADPD103 / ADPD103BCPZ
ADPD103 / ADPD103BCPZRL	ADPD2210 / ADPD2210ACPZ-R7	ADPD2210 / ADPD2210ACPZ-RL	ADRF6820 / ADRF6820HUAWEI-DIE	ADRF6820 / ADRF6820NSN-DIE
ADUC7020 / ADUC7020BCPZ62	ADUC7020 / ADUC7020BCPZ62-RL	ADUC7020 / ADUC7020BCPZ62RL7	ADUC7023 / ADUC7023FNS-DIE	ADV7182 / ADW10017Z-0RL
ADV7182 / ADW10017Z-0RL7				

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	11-Feb-2016	11-May-2016	Initial Release
Rev. A	16-Mar-2016	14-Jun-2016	Adding parts to this PCN
Rev. B	06-May-2016	14-Jun-2016	Added qualification results of commercial Mini-LFCSP and LFCSP devices.

Analog Devices, Inc.

DocId:3692 Parent DocId:None Layout Rev:7