



Product/Process Change Notice - PCN 16_0033 Rev. A

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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 QFP Products

Publication Date: 06-May-2016

Effectivity Date: 01-Sep-2016 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Added qualification results for TQFP and TQFP_EP commercial devices.

Description Of Change

The Assembly manufacturing of select LQFP, LQFP_EP, MQFP, TQFP, and TQFP_EP products is relocating from STATS ChipPAC China Shanghai to STATS ChipPAC China Jiangyin. The testing will move 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

During the transition to the new assembly and test site, products will be assembled and tested from either the current or the new assembly and test site once qualified.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_16_0033_Rev_A_Qual Results Summary for TQFP and TQFP_EP.pdf

Attachment 2: Type: Qualification Plan

ADI_PCN_16_0033_Rev_A_Qual Plan Summary for LQFP Automotive.pdf

Attachment 3: Type: Qualification Plan

ADI_PCN_16_0033_Rev_A_Qual Plan Summary for LQFP_EP and MQFP Automotive.pdf

Attachment 4: Type: Test Correlation Plan

ADI_PCN_16_0033_Rev_A_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 (330)

| | | | | |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| AD1833A / AD58003Z-0 | AD1833A / AD58003Z-0REEL | AD1835A / AD1835AASZ | AD1835A / AD1835AASZ-REEL | AD1836A / AD1836AASZ |
| AD1836A / AD1836AASZRL | AD1836A / AD1836ACSZ | AD1836A / AD71022ASZRL | AD1836A / AD71023CSZ | AD1836A / AD71023CSZRL |
| AD1836A / AD71053ACSZ | AD1836A / AD71053ACSZRL | AD1838A / AD1838AASZ | AD1838A / AD1838AASZ-REEL | AD1893 / AD1893JSTZ |
| AD1893 / AD1893JSTZRL | AD1928 / AD1928YSTZ | AD1928 / AD1928YSTZ-RL | AD1928 / AD71069YSTZ | AD1928 / AD71069YSTZ-RL |
| AD1931 / ADW80036BSTZ | AD1931 / ADW80036BSTZRL | AD1933 / AD1933WBSTZ | AD1933 / AD1933WBSTZ-RL | AD1933 / AD1933YSTZ |
| AD1933 / AD1933YSTZ-RL | AD1933 / AD71077YSTZ | AD1933 / AD71077YSTZ-RL | AD1934 / AD1934WBSTZ | AD1934 / AD1934WBSTZ-RL |
| AD1934 / AD1934YSTZ | AD1934 / AD1934YSTZ-RL | AD1934 / AD71074YSTZ | AD1934 / AD71074YSTZ-RL | AD1934 / ADW80034BSTZ |
| AD1934 / ADW80034BSTZRL | AD1937 / AD1937WBSTZ | AD1937 / AD1937WBSTZ-RL | AD1938 / AD1938WBSTZ | AD1938 / AD1938WBSTZ-RL |
| AD1938 / AD1938YSTZ | AD1938 / AD1938YSTZRL | AD1938 / AD71058YSTZ | AD1938 / AD71058YSTZRL | AD1938 / AD71064YSTZ |
| AD1938 / AD71064YSTZ-RL | AD1938 / AD71072YSTZ | AD1938 / AD71072YSTZ-RL | AD1938 / ADW80015BSTZ | AD1938 / ADW80015BSTZ-RL |
| AD1938 / ADW80021BSTZ | AD1938 / ADW80021BSTZ-RL | AD1938 / ADW80029BSTZ | AD1938 / ADW80029BSTZ-RL | AD1939 / AD1939WBSTZ |
| AD1939 / AD1939WBSTZ-RL | AD1939 / AD1939YSTZ | AD1939 / AD1939YSTZRL | AD1939 / AD71070YSTZ | AD1939 / AD71070YSTZRL |
| AD1939 / ADW80002YSTZ | AD1939 / ADW80002YSTZ-RL | AD1939 / ADW80007YSTZ | AD1939 / ADW80007YSTZ-RL | AD1939 / ADW80012BSTZ |
| AD1939 / ADW80012BSTZ-RL | AD1940 / AD1940YSTZ | AD1940 / AD1940YSTZRL | AD1940 / AD71037YSTZ | AD1940 / AD71037YSTZRL |
| AD1940 / AD71055YSTZ | AD1940 / AD71055YSTZRL | AD1940 / AD71065YSTZ | AD1940 / AD71065YSTZ-RL | AD1940 / AD71071YSTZ |
| AD1940 / AD71071YSTZ-RL | AD1940 / ADW80003YSTZ | AD1940 / ADW80003YSTZ-RL | AD1940 / ADW80006YSTZ | AD1940 / ADW80006YSTZ-RL |
| AD1941 / AD1941YSTZ | AD1941 / AD1941YSTZRL | AD1941 / AD71094BSTZ | AD1941 / AD71094BSTZ-RL | AD1953 / AD1953YSTZ |
| AD1953 / AD1953YSTZRL | AD1953 / AD71021YSTZ | AD1953 / AD71021YSTZRL | AD1954 / AD1954YSTZ | AD1954 / AD1954YSTZRL |
| AD1954 / AD1954YSZ | AD1974 / AD1974WBSTZ | AD1974 / AD1974WBSTZ-RL | AD1974 / AD1974YSTZ | AD1974 / AD1974YSTZ-RL |
| AD1981BW / AD1981BWBSTZ-REEL | AD1981BW / ADW95032Z-02RL | AD1981BW / ADW95074Z-02RL | AD2S1000 / AD2S1000YSTZ | AD2S1200 / AD2S1200WSTZ |
| AD2S1200 / AD2S1200YSTZ | AD6623 / AD6623ASZ | AD7339 / AD7339BSZ-REEL | AD7346 / AD7346ASTZ | AD7346 / AD7346ASTZ-RL |
| AD7605-4 / AD7605-4BSTZ | AD7605-4 / AD7605-4BSTZ-RL | AD7616 / AD7616BSTZ | AD7616 / AD7616BSTZ-RL | AD7617 / AD7617BSTZ |
| AD7617 / AD7617BSTZ-RL | AD7618 / AD7618BSTZ | AD7618 / AD7618BSTZ-RL | AD7723 / AD7723BSZ | AD7723 / AD7723BSZ-REEL |
| AD7724 / AD7724ASTZ | AD7724 / AD7724ASTZ-REEL | AD7864 / AD7864ASZ-1 | AD7864 / AD7864ASZ-1REEL | AD7864 / AD7864ASZ-2 |
| AD7864 / AD7864ASZ-2REEL | AD7864 / AD7864ASZ-3 | AD7864 / AD7864BSZ-1 | AD7864 / AD7864BSZ-1REEL | AD9240 / AD9240ASZ |
| AD9240 / AD9240ASZRL | AD9241 / AD9241ASZ | AD9241 / AD9241ASZRL | AD9243 / AD9243ASZ | AD9243 / AD9243ASZRL |
| AD9388A / AD9388ABSTZ-170 | AD9388A / AD9388ABSTZ-5P | AD9388A / AD9388ABSTZ-A5 | AD9709 / AD9709ASTZ | AD9709 / AD9709ASTZRL |
| AD9751 / AD9751ASTZ | AD9751 / AD9751ASTZRL | AD9753 / AD9753ASTZ | AD9753 / AD9753ASTZRL | AD9755 / AD9755ASTZ |
| AD9755 / AD9755ASTZRL | AD9763 / AD80154ASTZRL | AD9763 / AD9763ASTZ | AD9763 / AD9763ASTZRL | AD9765 / AD80140ASTZRL |
| AD9765 / AD9765ASTZ | AD9765 / AD9765ASTZRL | AD9767 / AD80178ASTZ | AD9767 / AD9767ASTZ | AD9767 / AD9767ASTZRL |
| AD9772A / AD9772AASTZ | AD9772A / AD9772AASTZRL | AD9852 / AD9852ASTZ | AD9854 / AD9854ASTZ | AD9856 / AD9856ASTZ |
| AD9857 / AD9857ASTZ | AD9874 / AD9874ABST | AD9874 / AD9874ABSTRL | AD9879 / AD9879BSZ | AD9969 / AD9969JSTZ |
| ADAS1000 / ADAS1000BSTZ | ADAS1000 / ADAS1000BSTZ-RL | ADAS1000-2 / ADAS1000-2BSTZ | ADAS1000-2 / ADAS1000-2BSTZ-RL | ADAS1000-3 / ADAS1000-3BSTZ |
| ADAS1000-3 / ADAS1000-3BSTZ-RL | ADAS1000-4 / ADAS1000-4BSTZ | ADAS1000-4 / ADAS1000-4BSTZ-RL | ADAU1328 / ADAU1328BSTZ | ADAU1401 / AD71073YSTZ |
| ADAU1401 / AD71073YSTZ-RL | ADAU1401 / ADAU1401YSTZ | ADAU1401 / ADAU1401YSTZ-RL | ADAU1401A / ADAU1401AWBSTZ | ADAU1401A / ADAU1401AWBSTZ-RL |
| ADAU1401A / ADW80010BSTZ | ADAU1401A / ADW80010BSTZ-RL | ADAU1401A / ADW80013BSTZ | ADAU1401A / ADW80013BSTZ-RL | ADAU1401A / ADW80017BSTZ |
| ADAU1401A / ADW80017BSTZ-RL | ADAU1401A / ADW80018BSTZ | ADAU1401A / ADW80018BSTZ-RL | ADAU1421 / ADW10005Z-1 | ADAU1443 / ADW80023BSTZ |
| ADAU1443 / ADW80023BSTZ-RL | ADAU1446 / ADAU1446YSTZ-3A | ADAU1446 / ADAU1446YSTZ-3A-RL | ADAU1446 / ADW80008YSTZ | ADAU1446 / ADW80008YSTZ-RL |
| ADAU1446 / ADW80011BSTZ | ADAU1446 / ADW80011BSTZ-RL | ADAU1446 / ADW80020BSTZ | ADAU1446 / ADW80020BSTZ-RL | ADAU1701 / ADAU1701JSTZ |
| ADAU1701 / ADAU1701JSTZ-RL | ADAU1702 / ADAU1702JSTZ | ADAU1702 / ADAU1702JSTZ-RL | ADAU1962 / ADAU1962WBSTZ | ADAU1962 / ADAU1962WBSTZRL |
| ADAU1962 / ADW80031BSTZ | ADAU1962 / ADW80031BSTZ-RL | ADAU1962A / ADAU1962AWBSTZ | ADAU1962A / ADAU1962AWBSTZ-RL | ADAU1962A / ADAU1962AWXSTZ |
| ADAU1966 / ADAU1966WBSTZ | ADAU1966 / ADAU1966WBSTZRL | ADAU1966A / ADAU1966AWBSTZ | ADAU1966A / ADAU1966AWBSTZ-RL | ADAU71067-CS / ADAU71067Z-CS |
| ADAU71067-CS / ADAU71067Z-CSRL | ADAU71068-CS / ADAU71068Z-CS | ADAU71068-CS / ADAU71068Z-CSRL | ADAU71078-CS / ADAU71078Z-CS | ADAU71078-CS / ADAU71078Z-CSRL |
| ADAU71087-CS / ADAU71087Z-CS | ADAU71087-CS / ADAU71087Z-CSRL | ADAV4601 / AD55043Z-1 | ADAV4601 / ADAV4601BSTZ | ADAV4622 / AD55044Z-1 |
| ADAV4622 / ADAV4622BSTZ | ADAV801 / ADAV801ASTZ | ADAV801 / ADAV801ASTZ-REEL | ADAV803 / ADAV803ASTZ | ADAV803 / ADAV803ASTZ-REEL |
| ADDI7006 / ADDI7006BSUZ | ADDI7006 / ADDI7006BSUZRL | ADF7030-1 / ADF7030-1BSTZN | ADF7030-1 / ADF7030-1BSTZN-RL | ADMC401 / ADMC401BSTZ |
| ADSP-21367-D / ADSST-AVR-1146 | ADSP-21367-D / ADSST-AVR-1147 | ADSP-21367-D / ADSST-AVR-1166 | ADSP-21367-D / ADSST-AVR-1169 | ADSP-21367-D / ADSST-AVR-1177 |
| ADSP-21992 / ADSP-21992BSTZ | ADSP-BF531SSTD / ADSST-SB-1011 | ADV3014 / ADV3014KSTZ | ADV7120 / ADV7120KSTZ30 | ADV7120 / ADV7120KSTZ30-REEL |

| | | | | |
|------------------------------|-------------------------------|-----------------------------|------------------------------|------------------------------|
| ADV7120 / ADV7120KSTZ50 | ADV7123 / AD55048Z-0 | ADV7123 / ADV7123JSTZ240 | ADV7123 / ADV7123JSTZ240-RL | ADV7123 / ADV7123JSTZ330 |
| ADV7123 / ADV7123KSTZ140 | ADV7123 / ADV7123KSTZ140-RL | ADV7123 / ADV7123KSTZ50 | ADV7125 / AD55035Z-0REEL | ADV7125 / ADV7125JSTZ240 |
| ADV7125 / ADV7125JSTZ330 | ADV7125 / ADV7125KSTZ140 | ADV7125 / ADV7125KSTZ50 | ADV7125 / ADV7125KSTZ50-REEL | ADV7125 / ADV7125WBSTZ170 |
| ADV7125 / ADV7125WBSTZ170-RL | ADV7172 / ADV7172KSTZ | ADV7172 / ADV7172KSTZ-REEL | ADV7173 / ADV7173KSTZ | ADV7173 / ADV7173KSTZ-REEL |
| ADV7180 / ADV7180BST48Z | ADV7180 / ADV7180BST48Z-RL | ADV7180 / ADV7180BSTZ | ADV7180 / ADV7180BSTZ-REEL | ADV7180 / ADV7180KST48Z |
| ADV7180 / ADV7180KST48Z-RL | ADV7180 / ADV7180WBST48Z | ADV7180 / ADV7180WBST48Z-RL | ADV7180 / ADV7180WBSTZ | ADV7180 / ADV7180WBSTZ-REEL |
| ADV7180 / ADW10004-0REEL | ADV7180 / ADW10008Z-0 | ADV7180 / ADW10008Z-0REEL | ADV7181C / ADV7181CBSTZ | ADV7181C / ADV7181CBSTZ-REEL |
| ADV7181C / ADV7181CWBSTZ | ADV7181C / ADV7181CWBSTZ-REEL | ADV7184 / ADV7184BSTZ | ADV7188 / ADV7188BSTZ | ADV7189B / ADV7189BBSTZ |
| ADV7189B / ADV7189BKSTZ | ADV7194 / ADV7194KSTZ | ADV7320 / ADV7320KSTZ | ADV7321 / ADV7321KSTZ | ADV7322 / ADV7322KSTZ |
| ADV7322 / ADV7322KSTZ-REEL | ADV7340 / ADV7340BSTZ | ADV7341 / ADV7341BSTZ | ADV7342 / ADV7342BSTZ | ADV7343 / ADV7343BSTZ |
| ADV7344 / ADV7344BSTZ | ADV7401 / ADV7401BSTZ-110 | ADV7401 / ADV7401BSTZ-80 | ADV7401 / ADV7401KSTZ-140 | ADV7401 / ADV7401WBSTZ-110 |
| ADV7403 / ADV7403BSTZ-110 | ADV7403 / ADV7403KSTZ-140 | ADV7405 / AD55039Z-0 | ADV7441A / ADV7441ABSTZ-110 | ADV7441A / ADV7441ABSTZ-170 |
| ADV7441A / ADV7441ABSTZ-5P | ADV7493B / AD55037Z-3 | ADV7499B / AD55034Z-1 | ADV7511W / ADV7511WBSWZ | ADV7511W / ADV7511WBSWZ-RL |
| ADV7513 / ADV7513BSWZ | ADV7611 / ADV7611BSWZ | ADV7611 / ADV7611BSWZ-P | ADV7611 / ADV7611BSWZ-P-RL | ADV7611 / ADV7611BSWZ-RL |
| ADV7611 / ADV7611WBSWZ | ADV7611 / ADV7611WBSWZ-RL | ADV7612 / ADV7612BSWZ | ADV7612 / ADV7612BSWZ-P | ADV7612 / ADV7612WBSWZ |
| ADV7619 / AD55061Z-0 | ADV7619 / ADV7619KSVZ | ADV7619 / ADV7619KSVZ-P | ADV7622 / ADV7622BSTZ | ADV7622 / ADV7622BSTZ-RL |
| ADV7623 / ADV7623BSTZ | ADV7623 / ADV7623BSTZ-P | ADV7623 / ADV7623BSTZ-P-RL | ADV7623 / ADV7623BSTZ-RL | ADV7800 / AD55052Z-0 |
| ADV7800 / AD55054Z-0 | ADV7800 / ADV7800BSTZ-150 | ADV7800 / ADV7800BSTZ-80 | ADV7802 / ADV7802BSTZ-150 | ADV7802 / ADV7802BSTZ-80 |

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|--|
| Rev. - | 24-Feb-2016 | 01-Sep-2016 | Initial Release |
| Rev. A | 06-May-2016 | 01-Sep-2016 | Added qualification results for TQFP and TQFP_EP commercial devices. |

Analog Devices, Inc.

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