



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

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

Publication Date: 08-Dec-2016

Effectivity Date: 08-Mar-2017 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Added qualification results for LQFP_EP and MQFP Automotive devices.
Updated Test Correlation Result.
Removed parts

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.

Rev B effectivity date applies to LQFP_EP and MQFP qual plan summary with new expected completion date.

Rev C effectivity date applies to updated Test Correlation plan with new expected completion date.

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_C_Qual Results Summary for TQFP and TQFP_EP.pdf

Attachment 2: Type: Qualification Results Summary

ADI_PCN_16_0033_Rev_C_Qual Results Summary for LQFP Automotive.pdf

Attachment 3: Type: Qualification Results Summary

ADI_PCN_16_0033_Rev_C_Qual Results Summary for LQFP_EP and MQFP Automotive .pdf

Attachment 4: Type: Test Correlation Report

ADI_PCN_16_0033_Rev_C_Test Correlation Result.xls

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 (306)

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
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	AD9869 / AD9869JSTZ	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	ADAV4601 / AD55043Z-1	ADAV4601 / ADAV4601BSTZ	ADAV4622 / AD55044Z-1	ADAV4622 / ADAV4622BSTZ
ADAV801 / ADAV801ASTZ	ADAV801 / ADAV801ASTZ-REEL	ADAV803 / ADAV803ASTZ	ADAV803 / ADAV803ASTZ-REEL	ADDI7006 / ADDI7006BSUZ
ADDI7006 / ADDI7006BSUZRL	ADMC401 / ADMC401BSTZ	ADSP-21992 / ADSP-21992BSTZ	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 / AD55/039Z-0	ADV7441A / ADV7441ABSTZ-110
ADV7441A / ADV7441ABSTZ-170	ADV7441A / ADV7441ABSTZ-5P	ADV7493B / AD55/037Z-3	ADV7499B / AD55/034Z-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 / AD55/061Z-0	ADV7619 / ADV7619KSVZ	ADV7619 / ADV7619KSVZ-P	ADV7622 / ADV7622BSTZ
ADV7622 / ADV7622BSTZ-RL	ADV7623 / ADV7623BSTZ	ADV7623 / ADV7623BSTZ-P	ADV7623 / ADV7623BSTZ-P-RL	ADV7623 / ADV7623BSTZ-RL
ADV7800 / AD55/052Z-0	ADV7800 / AD55/054Z-0	ADV7800 / ADV7800BSTZ-150	ADV7800 / ADV7800BSTZ-80	ADV7802 / ADV7802BSTZ-150
ADV7802 / ADV7802BSTZ-80				

Removed Parts On All Revisions - Product Family / Model Number (24)

AD7605-4 / AD7605-4BSTZ	AD7605-4 / AD7605-4BSTZ-RL	AD7616 / AD7616BSTZ	AD7616 / AD7616BSTZ-RL	AD7617 / AD7617BSTZ
AD7617 / AD7617BSTZ-RL	AD7618 / AD7618BSTZ	AD7618 / AD7618BSTZ-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	ADF7030-1 / ADF7030-1BSTZN	ADF7030-1 / ADF7030-1BSTZN-RL	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-BF531SSTD / ADSST-SB-1011	

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.
Rev. B	08-Aug-2016	06-Nov-2016	Added qualification results for LQFP Automotive devices. Update LQFP_EP and MQFP qual plan summary with new expected completion date.
Rev. C	08-Dec-2016	08-Mar-2017	Added qualification results for LQFP_EP and MQFP Automotive devices. Updated Test Correlation Result. Removed parts

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