



Product/Process Change Notice - PCN 14_0246 Rev. -

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.

PCN Title: Qualification of ASE Chungli, as an Alternate Assembly Site for Select MSOP Devices
Publication Date: 05-Jan-2015
Effectivity Date: 05-Apr-2015 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

ADI has qualified and will be utilizing Assembly subcontractor ASE Chungli, Taiwan for 8L and 10L MSOP devices. ADI has qualified ASE Chungli's standard bill of materials in the MSOP package. See attachment for changes to die attach and mold compound.

Reason For Change

The use of ADI qualified ASE Chungli as an additional assembly site for this package will ensure continued source of product supply. ADI's assembly subcontractors manufacture our products using Analog Devices specified manufacturing flows, process controls and monitors. This assures that our customers receive the same level of quality and reliability on products they receive from qualified ADI manufacturing locations.

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

There is no change in device functionality, fit, form and reliability. Only the country of origin will be changed on the package as marked on the bottom side of the package with the mold tool mark or laser marked.

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

Devices assembled in ASE Chungli will have a tool mark or laser marking at the backside for the country of origin; in this case TAIWAN.

Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Report Summary.

Supporting Documents

Attachment 1: Type: Detailed Change Description

ADI_PCN_14_0246_Rev_-_Material Set Changes__ASE CHUNGLI .docx

Attachment 2: Type: Qualification Results Summary

ADI_PCN_14_0246_Rev_-_Qualification of ASE Chungli MSOP Package.pdf

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

Added Parts On This Revision - Product Family / Model Number (370)

AD5300 / AD5300BRMZ	AD5300 / AD5300BRMZ-REEL7	AD5301 / AD5301BRMZ	AD5301 / AD5301BRMZ-REEL7	AD5320 / AD5320BRMZ
AD5320 / AD5320BRMZ-REEL	AD5320 / AD5320BRMZ-REEL7	AD5321 / AD5321BRMZ	AD5321 / AD5321BRMZ-REEL	AD5321 / AD5321BRMZ-REEL7
AD5337 / AD5337ARMZ	AD5337 / AD5337ARMZ-REEL7	AD5337 / AD5337BRMZ	AD5337 / AD5337BRMZ-REEL	AD5337 / AD5337BRMZ-REEL7
AD5338 / AD5338ARMZ	AD5338 / AD5338ARMZ-1	AD5338 / AD5338ARMZ-1REEL7	AD5338 / AD5338ARMZ-REEL7	AD5338 / AD5338BRMZ
AD5338 / AD5338BRMZ-1	AD5338 / AD5338BRMZ-1REEL7	AD5339 / AD5339ARMZ	AD5339 / AD5339ARMZ-REEL7	AD5441 / AD5441BRMZ
AD5441 / AD5441BRMZ-REEL7	AD5452 / AD5452YRMZ	AD5452 / AD5452YRMZ-REEL	AD5452 / AD5452YRMZ-REEL7	AD5543 / AD5543BRMZ
AD5543 / AD5543BRMZ-REEL7	AD5543 / AD5543CRMZ	AD5543 / AD5543CRMZ-REEL7	AD5553 / AD5553CRMZ	AD5553 / AD5553CRMZ-REEL7
AD5620 / AD5620CRMZ-1	AD5620 / AD5620CRMZ-1REEL7	AD5620 / AD5620CRMZ-2	AD5620 / AD5620CRMZ-2REEL7	AD5620 / AD5620CRMZ-3
AD5620 / AD5620CRMZ-3REEL7	AD5626 / AD5626BRMZ	AD5626 / AD5626BRMZ-REEL7	AD5640 / AD5640CRMZ-1	AD5640 / AD5640CRMZ-1REEL7
AD5640 / AD5640CRMZ-2	AD5640 / AD5640CRMZ-2REEL7	AD5660 / AD5660CRMZ-1	AD5660 / AD5660CRMZ-1REEL7	AD5660 / AD5660CRMZ-3
AD5660 / AD5660CRMZ-3REEL7	AD5662 / AD5662ARMZ-1	AD5662 / AD5662ARMZ-1REEL7	AD5662 / AD5662BRMZ-1	AD5662 / AD5662BRMZ-1REEL7
AD623 / AD623ARMZ	AD623 / AD623ARMZ-REEL	AD623 / AD623ARMZ-REEL7	AD7273 / AD7273BRMZ	AD7273 / AD7273BRMZ-REEL
AD7274 / AD7274BRMZ	AD7274 / AD7274BRMZ-REEL	AD7276 / AD7276ARMZ	AD7276 / AD7276ARMZ-REEL	AD7276 / AD7276BRMZ
AD7276 / AD7276BRMZ-REEL	AD7277 / AD7277ARMZ	AD7277 / AD7277ARMZ-RL	AD7277 / AD7277BRMZ	AD7278 / AD7278ARMZ
AD7278 / AD7278ARMZ-RL	AD7278 / AD7278BRMZ	AD7278 / AD7278BRMZ-REEL	AD7303 / AD7303BRMZ	AD7303 / AD7303BRMZ-REEL
AD7303 / AD7303BRMZ-REEL7	AD7314 / AD7314ARMZ	AD7314 / AD7314ARMZ-REEL7	AD7416 / AD7416ARMZ	AD7416 / AD7416ARMZ-REEL
AD7416 / AD7416ARMZ-REEL7	AD7440 / AD7440BRMZ	AD7441 / AD7441BRMZ	AD7450 / AD7450ARMZ	AD7450 / AD7450ARMZ-REEL7
AD7450 / AD7450BRMZ	AD7450A / AD7450ABRMZ	AD7451 / AD7451ARMZ	AD7467 / AD7467BRMZ	AD7468 / AD7468BRMZ
AD7468 / AD7468BRMZ-REEL7	AD7475 / AD7475ARMZ	AD7475 / AD7475ARMZ-REEL7	AD7476A / AD7476ABRMZ	AD7476A / AD7476ABRMZ-REEL
AD7476A / AD7476ABRMZ-REEL7	AD7476A / AD7476AYRMZ	AD7476A / AD7476AYRMZ-REEL7	AD7477A / AD7477AARMZ	AD7477A / AD7477AARMZ-REEL
AD7477A / AD7477AARMZ-REEL7	AD7495 / AD7495BRMZ	AD7680 / AD7680ARMZ	AD7740 / AD7740KRMZ	AD7740 / AD7740KRMZ-REEL
AD7740 / AD7740KRMZ-REEL7	AD7740 / AD7740YRMZ	AD7740 / AD7740YRMZ-REEL	AD7740 / AD7740YRMZ-REEL7	AD7814 / AD7814ARMZ
AD7814 / AD7814ARMZ-REEL	AD7814 / AD7814ARMZ-REEL7	AD7823 / AD7823YRMZ	AD7823 / AD7823YRMZ-REEL	AD7823 / AD7823YRMZ-REEL7
AD7887 / AD7887ARMZ	AD7887 / AD7887ARMZ-REEL	AD7887 / AD7887ARMZ-REEL7	AD7911 / AD7911ARMZ	AD7911 / AD7911ARMZ-REEL
AD7911 / AD7911ARMZ-REEL7	AD7912 / AD7912ARMZ	AD7912 / AD7912ARMZ-REEL	AD7912 / AD7912ARMZ-REEL7	AD7921 / AD7921ARMZ
AD7921 / AD7921ARMZ-REEL7	AD7922 / AD7922ARMZ	AD7922 / AD7922ARMZ-REEL	AD7922 / AD7922ARMZ-REEL7	AD7940 / AD7940BRMZ
AD7940 / AD7940BRMZ-REEL7	AD8002 / AD8002ARMZ	AD8002 / AD8002ARMZ-REEL	AD8002 / AD8002ARMZ-REEL7	AD8008 / AD8008ARMZ
AD8008 / AD8008ARMZ-REEL	AD8008 / AD8008ARMZ-REEL7	AD8021 / AD8021ARMZ	AD8021 / AD8021ARMZ-REEL	AD8021 / AD8021ARMZ-REEL7
AD8022 / AD8022Z-REEL	AD8022 / AD8022ARMZ	AD8022 / AD8022ARMZ-REEL	AD8022 / AD8022ARMZ-REEL7	AD8032 / AD8032ARMZ
AD8032 / AD8032ARMZ-REEL	AD8032 / AD8032ARMZ-REEL7	AD8052 / AD8052ARMZ	AD8052 / AD8052ARMZ-REEL	AD8052 / AD8052ARMZ-REEL7
AD8056 / AD8056ARMZ	AD8056 / AD8056ARMZ-REEL	AD8056 / AD8056ARMZ-REEL7	AD8062 / AD8062ARMZ	AD8062 / AD8062ARMZ-R7
AD8062 / AD8062ARMZ-RL	AD8066 / AD8066ARMZ	AD8066 / AD8066ARMZ-REEL7	AD8092 / AD45064	AD8092 / AD8092ARMZ
AD8092 / AD8092ARMZ-REEL	AD8092 / AD8092ARMZ-REEL7	AD8131 / AD8131ARMZ	AD8131 / AD8131ARMZ-REEL	AD8131 / AD8131ARMZ-REEL7
AD8220 / AD8220BRMZ	AD8220 / AD8220BRMZ-R7	AD8220 / AD8220BRMZ-RL	AD8221 / AD45118ARMZ	AD8221 / AD45118ARMZ-R7
AD8221 / AD45118ARMZ-RL	AD8221 / AD8221ARMZ	AD8221 / AD8221ARMZ-R7	AD8221 / AD8221ARMZ-RL	AD8228 / AD8228ARMZ
AD8228 / AD8228ARMZ-R7	AD8228 / AD8228ARMZ-RL	AD8228 / AD8228BRMZ	AD8228 / AD8228BRMZ-R7	AD8228 / AD8228BRMZ-RL
AD8274 / AD8274ARMZ	AD8274 / AD8274ARMZ-R7	AD8274 / AD8274ARMZ-RL	AD8276 / AD8276ARMZ	AD8276 / AD8276ARMZ-R7
AD8276 / AD8276ARMZ-RL	AD8276 / AD8276BRMZ	AD8276 / AD8276BRMZ-R7	AD8276 / AD8276BRMZ-RL	AD8278 / AD8278ARMZ
AD8278 / AD8278ARMZ-R7	AD8278 / AD8278ARMZ-RL	AD8278 / AD8278BRMZ	AD8278 / AD8278BRMZ-R7	AD8278 / AD8278BRMZ-RL
AD8310 / AD45240Z	AD8310 / AD8310ARMZ	AD8310 / AD8310ARMZ-REEL7	AD8315 / AD8315ARMZ	AD8315 / AD8315ARMZ-RL
AD8350 / AD8350ARMZ15	AD8350 / AD8350ARMZ15-REEL7	AD8350 / AD8350ARMZ20	AD8350 / AD8350ARMZ20-REEL7	AD8361 / AD8361ARMZ
AD8361 / AD8361ARMZ-REEL	AD8361 / AD8361ARMZ-REEL7	AD8418 / AD8418BRMZ	AD8418 / AD8418BRMZ-RL	AD8418A / AD8418ABRMZ
AD8418A / AD8418ABRMZ-RL	AD8420 / AD8420ARMZ	AD8420 / AD8420ARMZ-R7	AD8420 / AD8420ARMZ-RL	AD8506 / AD8506ARMZ
AD8506 / AD8506ARMZ-R7	AD8506 / AD8506ARMZ-REEL	AD8532 / AD8532ARMZ-REEL	AD8602 / AD8602ARMZ	AD8602 / AD8602ARMZ-REEL
AD8602 / AD8602DRMZ-REEL	AD8606 / AD8606ARMZ-R7	AD8606 / AD8606ARMZ-REEL	AD8607 / AD8607ARMZ	AD8607 / AD8607ARMZ-REEL
AD8610 / AD8610ARMZ-R7	AD8610 / AD8610ARMZ-REEL	AD8611 / AD8611ARMZ-REEL	AD8616 / AD8616ARMZ	AD8616 / AD8616ARMZ-REEL
AD8622 / AD8622ARMZ	AD8622 / AD8622ARMZ-R7	AD8622 / AD8622ARMZ-REEL	AD8626 / AD8626ARMZ	AD8626 / AD8626ARMZ-REEL
AD8629 / AD8629ARMZ	AD8629 / AD8629ARMZ-REEL	AD8639 / AD8639ARMZ	AD8639 / AD8639ARMZ-R7	AD8639 / AD8639ARMZ-REEL

AD8642 / AD8642ARMZ	AD8642 / AD8642ARMZ-REEL	AD8651 / AD8651ARMZ	AD8651 / AD8651ARMZ-REEL	AD8652 / AD8652ARMZ
AD8652 / AD8652ARMZ-REEL	AD8655 / AD8655ARMZ	AD8655 / AD8655ARMZ-REEL	AD8656 / AD8656ARMZ	AD8656 / AD8656ARMZ-REEL
AD8657 / AD8657ARMZ	AD8657 / AD8657ARMZ-R7	AD8657 / AD8657ARMZ-RL	AD8662 / AD8662ARMZ	AD8662 / AD8662ARMZ-REEL
AD8667 / AD8667ARMZ	AD8667 / AD8667ARMZ-REEL	AD8675 / AD8675ARMZ	AD8675 / AD8675ARMZ-REEL	AD8676 / AD8676ARMZ
AD8676 / AD8676ARMZ-REEL	AD8676 / AD8676BRMZ	AD8676 / AD8676BRMZ-REEL	AD8682 / AD8682ARMZ	AD8682 / AD8682ARMZ-REEL
ADA4000-2 / ADA4000-2ARMZ	ADA4000-2 / ADA4000-2ARMZ-RL	ADA4004-2 / ADA4004-2ARMZ	ADA4004-2 / ADA4004-2ARMZ-R7	ADA4004-2 / ADA4004-2ARMZ-RL
ADA4051-2 / ADA4051-2ARMZ	ADA4051-2 / ADA4051-2ARMZ-R7	ADA4051-2 / ADA4051-2ARMZ-RL	ADA4062-2 / ADA4062-2ARMZ	ADA4062-2 / ADA4062-2ARMZ-R7
ADA4062-2 / ADA4062-2ARMZ-RL	ADA4505-2 / ADA4505-2ARMZ	ADA4505-2 / ADA4505-2ARMZ-RL	ADA4665-2 / ADA4665-2ARMZ	ADA4665-2 / ADA4665-2ARMZ-R7
ADA4665-2 / ADA4665-2ARMZ-RL	ADA4851-2 / AD45246-RL	ADA4851-2 / ADA4851-2YRMZ	ADA4851-2 / ADA4851-2YRMZ-RL	ADA4851-2 / ADA4851-2YRMZ-RL7
ADA4891-2 / ADA4891-2ARMZ	ADA4891-2 / ADA4891-2ARMZ-R7	ADA4891-2 / ADA4891-2ARMZ-RL	ADCMF553 / ADCMP553BRMZ	ADCMF602 / ADCMP602BRMZ
ADCMF602 / ADCMP602BRMZ-REEL	ADCMF602 / ADCMP602BRMZ-REEL7	ADG1401 / ADG1401BRMZ	ADG1401 / ADG1401BRMZ-REEL7	ADG1402 / ADG1402BRMZ
ADG1402 / ADG1402BRMZ-REEL7	ADG1419 / ADG1419BRMZ	ADG1419 / ADG1419BRMZ-REEL7	ADG419 / ADG419BRMZ	ADG419 / ADG419BRMZ-REEL
ADG419 / ADG419BRMZ-REEL7	ADG721 / ADG721BRMZ	ADG721 / ADG721BRMZ-REEL	ADG721 / ADG721BRMZ-REEL7	ADG723 / ADG723BRMZ
ADG723 / ADG723BRMZ-REEL	ADG723 / ADG723BRMZ-REEL7	ADG751 / ADG751ARMZ	ADG751 / ADG751ARMZ-REEL	ADG751 / ADG751BRMZ-REEL
ADG752 / ADG752BRMZ	ADG821 / ADG821BRMZ	ADG821 / ADG821BRMZ-REEL7	ADG901 / ADG901BRMZ	ADG901 / ADG901BRMZ-REEL7
ADG902 / ADG902BRMZ	ADG918 / ADG918BRMZ	ADG918 / ADG918BRMZ-500RL7	ADG918 / ADG918BRMZ-REEL	ADG918 / ADG918BRMZ-REEL7
ADM1232 / ADM1232ARMZ	ADM1232 / ADM1232ARMZ-REEL	ADM1232 / ADM1232ARMZ-REEL7	ADM1490E / ADM1490EBRMZ	ADM1490E / ADM1490EBRMZ-REEL7
ADM4850 / ADM4850ARMZ	ADM4850 / ADM4850ARMZ-REEL7	ADM690A / ADM690AARMZ	ADM690A / ADM690AARMZ-REEL	ADP124 / ADP1240001RHZR
ADP124 / ADP124ARHZ-1.8-R7	ADP124 / ADP124ARHZ-2.5-R7	ADP124 / ADP124ARHZ-2.7-R7	ADP124 / ADP124ARHZ-2.8-R7	ADP124 / ADP124ARHZ-2.85-R7
ADP124 / ADP124ARHZ-2.9-R7	ADP124 / ADP124ARHZ-3.0-R7	ADP124 / ADP124ARHZ-3.3-R7	ADP125 / ADP1250001RHZR	ADP125 / ADP125ARHZ
ADP125 / ADP125ARHZ-R7	ADP1610 / ADP1610ARMZ-R7	ADP3333 / ADP3333ARMZ-1.5-RL	ADP3333 / ADP3333ARMZ-1.8-RL	ADP3333 / ADP3333ARMZ-1.8RL7
ADP3333 / ADP3333ARMZ-2.5-R7	ADP3333 / ADP3333ARMZ-2.77R7	ADP3333 / ADP3333ARMZ-3-R7	ADP3333 / ADP3333ARMZ-3.15R7	ADP3333 / ADP3333ARMZ-3.3-R7
ADP3333 / ADP3333ARMZ-5-R7	ADP3334 / ADP3334ARMZ-REEL7	ADP3335 / ADP3335ARMZ-2.5-RL	ADP3335 / ADP3335ARMZ-2.5RL7	ADP3335 / ADP3335ARMZ-3.3-RL
ADP3335 / ADP3335ARMZ-3.3RL7	ADT7301 / ADT7301ARMZ	ADT7301 / ADT7301ARMZ-REEL7	ADT7302 / ADT7302ARMZ	ADT7302 / ADT7302ARMZ-REEL7
OP1177 / OP1177ARMZ	OP1177 / OP1177ARMZ-R7	OP1177 / OP1177ARMZ-REEL	OP2177 / OP2177ARMZ	OP2177 / OP2177ARMZ-R7
OP2177 / OP2177ARMZ-REEL	OP282 / OP282ARMZ	OP282 / OP282ARMZ-REEL	OPT777 / OPT777ARMZ	OPT777 / OPT777ARMZ-REEL

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	05-Jan-2015	05-Apr-2015	Initial Release

Analog Devices, Inc.

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