



## Product/Process Change Notice - PCN 14\_0258 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 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.

**PCN Title:** Assembly Transfer of Selected 14x14 LQFP, 14x14 LQFP\_EP and 7x7, 10x10, 12x12, 14x14 TQFP\_EP Products to Amkor Philippines  
**Publication Date:** 10-Dec-2014  
**Effectivity Date:** 01-Apr-2015 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

ADI is transferring to qualified subcontractor Amkor Philippines for the assembly of 14x14 LQFP, 14x14 LQFP\_EP and 7x7, 10x10, 12x12, 14x14 TQFP\_EP products.  
ADI will be qualifying Amkor's standard bill of materials(BOM). The mold compound material for 14x14 body packages will change from Sumitomo G700L to Sumitomo G631HQ. The mold gate position will change as a result of the mold compound change. The package outline dimensions and wire sizes of each product will be maintained.

### Reason For Change

ADI is transferring to Amkor Philippines due to the closure of Amkor Korea factory line on February of 2015 for 12x12 TQFP\_EP, October of 2015 for 7x7, 10x10 TQFP\_EP and November of 2015 for 14x14 LQFP, 14x14 LQFP\_EP, respectively.

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.

### 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 number 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.

### Supporting Documents

**Attachment 1: Type:** Detailed Parts List

ADI\_PCN\_14\_0258\_Rev\_-\_LQFP\_LQFP\_EP\_TQFP\_EP\_PART\_LIST\_REV\_A.xlsx

**Attachment 2: Type:** Detailed Change Description

ADI\_PCN\_14\_0258\_Rev\_-\_14x14 Mold Compound and Mold Gate Position Change.pptx

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**Attachment 3: Type:** Qualification Plan

ADI\_PCN\_14\_0258\_Rev\_-\_7x7 10x10 12x12 TQFP\_EP Using G700L\_3230 at AP.docx

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**Attachment 4: Type:** Qualification Plan

ADI\_PCN\_14\_0258\_Rev\_-\_10x10 12x12 TQFP\_EP Using G700L\_8361J at AP.docx

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**Attachment 5: Type:** Qualification Plan

ADI\_PCN\_14\_0258\_Rev\_-\_14x14 TQFP\_EP Using G631HQ\_3230 at AP.docx

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**Attachment 6: Type:** Qualification Plan

ADI\_PCN\_14\_0258\_Rev\_-\_14x14 LQFP Using G631HQ\_3230 at AP.docx

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**Attachment 7: Type:** Qualification Plan

ADI\_PCN\_14\_0258\_Rev\_-\_14x14 LQFP Using G631HQ\_3230\_QMI536 at AP.docx

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**Attachment 8: Type:** Qualification Plan

ADI\_PCN\_14\_0258\_Rev\_-\_14x14 LQFP\_EP Using G631HQ\_3230 at AP.docx

**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 (78)**

AD53509G / AD53509JSWZ	AD53564 / AD53564JSWZ	AD5522 / AD5522JSVDZ	AD5522 / AD5522JSVUZ	AD5522 / AD5522JSVUZ-RL
AD5560 / AD112059Z-2	AD5560 / AD5560JSVUZ	AD5560 / AD5560JSVUZ-REEL	AD6645 / AD6645ASVZ-105	AD7760 / AD7760BSVZ
AD7760 / AD7760BSVZ-REEL	AD8116 / AD8116JSTZ	AD8387 / AD8387JSVZ	AD9271 / AD9271BSVZ-25	AD9271 / AD9271BSVZ-40
AD9271 / AD9271BSVZ-50	AD9271 / AD9271BSVZRL-40	AD9272 / AD9272BSVZ-40	AD9272 / AD9272BSVZ-65	AD9272 / AD9272BSVZ-80
AD9272 / AD9272BSVZRL-40	AD9272 / AD9272BSVZRL-65	AD9272 / AD9272BSVZRL-80	AD9273 / AD9273BSVZ-25	AD9273 / AD9273BSVZ-40
AD9273 / AD9273BSVZ-50	AD9273 / AD9273BSVZRL-25	AD9273 / AD9273BSVZRL-40	AD9273 / AD9273BSVZRL-50	AD9276 / AD9276BSVZ
AD9277 / AD9277BSVZ	AD9389B / AD9389BBSTZ-165	AD9389B / AD9389BBSTZ-80	AD9410 / AD9410BSVZ	AD9430 / AD80107Z
AD9430 / AD80142BSVZ-200	AD9430 / AD80205BSVZ-200	AD9430 / AD80215BSVZ-185	AD9430 / AD9430BSVZ-170	AD9430 / AD9430BSVZ-210
AD9433 / AD9433BSVZ-125	AD9444 / AD9444BSVZ-80	AD9445 / AD9445BSVZ-105	AD9445 / AD9445BSVZ-125	AD9446 / AD9446BSVZ-100
AD9446 / AD9446BSVZ-80	AD9460 / AD9460BSVZ-105	AD9460 / AD9460BSVZ-80	AD9461 / AD9461BSVZ	AD9726 / AD9726BSVZ
AD9726 / AD9726BSVZRL	AD9775 / AD9775BSVZ	AD9775 / AD9775BSVZRL	AD9777 / AD9777BSVZ	AD9777 / AD9777BSVZRL
AD9786 / AD9786BSVZ	AD9786 / AD9786BSVZRL	AD9852 / AD9852ASVZ	AD9854 / AD9854ASVZ	AD9858 / AD9858BSVZ
AD9910 / AD9910BSVZ	AD9910 / AD9910BSVZ-REEL	AD9951 / AD9951YSVZ	AD9951 / AD9951YSVZ-REEL7	AD9952 / AD9952YSVZ
AD9952 / AD9952YSVZ-REEL7	AD9954 / AD9954YSVZ	AD9954 / AD9954YSVZ-REEL7	AD9957 / AD9957BSVZ	AD9957 / AD9957BSVZ-REEL
ADATE302-02 / ADATE302-02BSVZ	ADATE305 / ADATE305BSVZ	ADAU1442 / ADAU1442YSVZ-3A-RL	ADAU1445 / ADAU1445YSVZ-3A	ADAU1445 / ADAU1445YSVZ-3A-RL
ADN4604 / ADN4604ASVZ	ADN4604 / ADN4604ASVZ-RL	GAD53063 / AD53063-03Z		

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	10-Dec-2014	01-Apr-2015	Initial Release

Analog Devices, Inc.

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