



Product/Process Change Notice - PCN 09_0229 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: Package Outline Change After Transfer MQFP 14x14x2.7(+3.2) from STATSChipPAC Singapore to Amkor Philippines
Publication Date: 02-Nov-2009
Samples Available Date: 01-Sep-2009
Effectivity Date: 02-Nov-2009 *(the earliest date that a customer could expect to receive changed material)*

Description Of Change

ADI certified AMKOR Philippines as a Primary Assembly & Test site of QFP packages. After transfer MQFP 14x14x2.7 (+3.2) from STATSChippac to Amkor Pilippines under PCN 07_0077 (STATChipPacSingapore obsoleted 14x14x2.7 tools), there is overall height change due to standoff difference by tool design. ADI qualification has been done using Amkor's design.

Reason For Change

The change in package and standoff height is a result of the transfer from STATSChippac to Amkor Pilippines under PCN 07_0077. JEDEC defined High & Low standoff profile as a standard for same MQFP body/design. STATSChipPAC followed High(0.25 ~ 0.5mm max) standoff and Amkor followed Low(0.25mm max) standoff profile for their own tool design. Overall height in Amkor is lower than STATS due to same reason.

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

- Device quality, function, and performance, as specified by Product Data Sheets, will be unaffected by this change.
- Package height will be changed from 3.4mm(max) to 3.15mm(max) due to standoff change.
- Package standoff height will be changed from High (0.25 ~ 0.5mm, Typ 0.33) to Low (0 ~ 0.25mm, Typ 0.16)

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

Datecode 0935 or later.

Summary of Supporting Information

Qualification was performed in accordance with Analog Devices specification ADI0012, Procedure for Qualification of New or Revised Processes or Products. See attached package reliability results.

Supporting Documents

Attachment 1: ADI_PCN_09_0229_Rev_-_MQFP14x14x2.7_Qual_report.doc

For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative

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 (4)

AD6472 / AD6472BSZ

AD6620 / AD6620ASZ

AD6620 / AD6620ASZ-REEL

AD79023 / AD79023CSZ

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	02-Nov-2009	Initial Release

Analog Devices, Inc.

DocId:898 Parent DocId:None