



Product/Process Change Notice - PCN 09_0150 Rev. A

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.

Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

PCN Title: Assembly Site Transfer of 48L 7x7 LQFP Package from Carsem, Malaysia to Amkor Technology Philippines (ATP).
Publication Date: 27-Oct-2009
Samples Available Date: 31-Oct-2009
Effectivity Date: 25-Jan-2010 (the earliest date that a customer could expect to receive changed material)

Description Of Change

Assembly Site Change
Assembly site transfer of 48Ld 7x7 LQFP package from Carsem, Malaysia to Amkor Technology Philippines (ATP).

Die Attach Change
Die attach material will change from Loctite QMI519 to 8361J which is a qualified die attach material set at in ADI.

Marking Method Change
Marking process will change from ink mark to lasermark.

Reason For Change

Assembly Site Change
Analog Devices is transferring the 48 LD 7x7 LQFP from Carsem to Amkor Technology Philippines (ATP), in order to consolidate ADI's manufacturing locations.

Die Attach Change
To standardize material set

Marking Method Change
ADI is already in production with laser mark for many package families. The industry trend is toward ink mark elimination in favor of laser mark. This aligns with supplier direction and industry environmental initiatives.

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

Device quality, reliability, function, and performance, as specified on Product Data Sheets will not be affected.

Summary of Supporting Information

Qualification was performed in accordance with Analog Devices specification ADI0012, Procedure for Qualification of New or Revised Processes or Products. Attached is the reliability qualification summary of results.

Supporting Documents

Attachment 1: ADI_PCN_09_0150_Rev_A_48L 7x7 QFP Qualification Results_ATP.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**Existing Parts - Product Family / Model Number (22)**

AD8381 / AD8381JST	AD9218 / AD9218BST-105	AD9218 / AD9218BST-40	AD9218 / AD9218BST-65	AD9218 / AD9218BST-80	AD9218 / AD9218BST-RL105
AD9218 / AD9218BST-RL40	AD9218 / AD9218BST-RL65	AD9218 / AD9218BST-RL80	AD9226 / AD80065	AD9226 / AD80095	AD9226 / AD9226AST
AD9226 / AD9226ASTRL	AD9804 / AD9804AJST	AD9804 / AD9804AJSTRL	AD9806 / AD9806KST	AD9806 / AD9806KSTRL	AD9821 / AD9821KST
AD9821 / AD9821KSTRL	AD9846A / AD9846AJST	AD9846A / AD9846AJSTRL	AD9941 / AD9941BSTZ		

Added Parts On This Revision - Product Family / Model Number (21)

AD8381 / AD8381JST	AD9218 / AD9218BST-105	AD9218 / AD9218BST-40	AD9218 / AD9218BST-65	AD9218 / AD9218BST-80	AD9218 / AD9218BST-RL105
AD9218 / AD9218BST-RL40	AD9218 / AD9218BST-RL65	AD9218 / AD9218BST-RL80	AD9226 / AD80065	AD9226 / AD80095	AD9226 / AD9226AST
AD9226 / AD9226ASTRL	AD9804 / AD9804AJST	AD9804 / AD9804AJSTRL	AD9806 / AD9806KST	AD9806 / AD9806KSTRL	AD9821 / AD9821KST
AD9821 / AD9821KSTRL	AD9846A / AD9846AJST	AD9846A / AD9846AJSTRL			

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	04-Aug-2009	Initial Release
Rev. A	27-Oct-2009	Include lead bearing parts that were removed from PCN 09_0097.

Analog Devices, Inc.

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