



Product/Process Change Notice - PCN 12_0047 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: Ink-to-Laser Mark Conversion for the CSP_BGA and PBGA Packages (for Post-test Multi-grade parts)

Publication Date: 17-Apr-2012

Effectivity Date: 16-Jul-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

ADI will be converting the package top mark (brand) from ink mark to laser mark for all lead counts and body sizes of the CSP_BGA and PBGA Multi-grade parts.

Transition to laser mark will be dependent on inventory depletion of ink marked material and/or production release requirements.

Reason For Change

ADI is already in production with laser mark for many package families i.e. Low pin counts, QFPs and BGA Reverse flow single-grade parts. 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

No impact on fit, form, function & reliability.

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

Changed material can be identified by the top laser marking.

Summary of Supporting Information

ADI has used laser mark in production for many years. Samples were obtained and evaluated for test backend vision system performance based on current test site/s.

A comparison of ink and laser mark samples on a PBGA package is attached in page 1 i.e. Top marking in ink (photos on the top) vs. Top laser marking (photo on the bottom). Other laser marking samples for CSP_BGA and PBGA are also included in page 2.

Supporting Documents

Attachment 1: Type: Marking Comparison

ADI_PCN_12_0047_Rev_-_BGA Multi-grade Laser Marking Photos.pdf

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 (9)**

ADSP-21060L / AD90788Z	ADSP-21062L / AD90754	ADSP-21062L / AD90754Z	ADSP-TS101S / ADSP-TS101SAB1-100	ADSP-TS101S / ADSP-TS101SAB1Z100
ADSP-TS101S / ADSP-TS101SAB2-100	ADSP-TS101S / ADSP-TS101SAB2Z100	ADV202 / ADV202BBCZ-135	ADV202 / ADV202BBCZ-150	

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	17-Apr-2012	Initial Release

Analog Devices, Inc.

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