



Product/Process Change Notice - PCN 20_0147 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 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.

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

PCN Title: HMC788A Die Revision, Assembly Site, Marking and Material Change

Publication Date: 06-May-2020

Effectivity Date: 08-Aug-2020 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Correction to Qualification Results Summary Changing HBM ESD rating from 750V to 250V.

Marking Code change.

Description Of Change:

Die Changes:

1. Elimination of vias by changing Metal 3 interconnect to Metal 2 on the original MMIC layout.
2. Increase some metal widths to meet current handling requirements.

Assembly material and location changes:

1. Assembly site to be moved from Unisem, Malaysia to ASE Korea.
2. Terminal plating change from Tin to Nickel-Palladium-Gold.
3. Die Attach and molding compound change.
4. Change Marking code From: 788A To: Y7H

Reason For Change:

To optimize/improve Via robustness to address process package interaction.

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

No change to fit, form, function and reliability.

Summary of Supporting Information:

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_20_0147_Rev_A_HMC788A Qual Summary for Die Revision V1.pdf

Attachment 2: Type: Detailed Change Description

ADI_PCN_20_0147_Rev_A_HMC788A_Detailed Changes V1.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				
Existing Parts - Product Family / Model Number (2)				
HMC788A / HMC788ALP2E	HMC788A / HMC788ALP2ETR			

Appendix B - Revision History			
Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	17-Mar-2020	19-Jun-2020	Initial Release.
Rev. A	06-May-2020	08-Aug-2020	Correction to Qualification Results Summary Changing HBM ESD rating from 750V to 250V. Marking Code change.

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