



## 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:**  
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**Japan:**  
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PCN\_ROA@analog.com

**Appendix A - Affected ADI Models**

**Existing Parts - Product Family / Model Number (2)**

HMC788A / HMC788ALP2E

HMC788A / HMC788ALP2ETR

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
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.

Analog Devices, Inc.

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