



Product/Process Change Notice - PCN 11_0269 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: AD9148 Datasheet and Die Revision
Publication Date: 02-Nov-2011
Effectivity Date: 31-Jan-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Metal edit was made to include minor circuit and layout change.

- FRAMEA and FRAMEB differential LVDS receiver specification change:

From:

Input High voltage, VIA or VIB: 1.225V min and 1.575Vmax

Input Low voltage, VIA or VIB: 0.825V min and 1.125Vmax

To:

Input voltage range, VIA or VIB: 0.825V min and 1.575Vmax

Input Differential Threshold, VIA or VIB: -100mV min ; +100mVmax

- Version ID register change

From:

Version ID register address 0x1F: 0x20

To:

Version ID register address 0x1F: 0x07

Reason For Change

Frame change: To have FRAMEA and FRAMEB LVDS inputs fully compliant with LVDS standard.

Register ID change: To be able to trace die revision with different version ID register value

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

No negative impact on fit, form, function & reliability of the part.

Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Plan Summary.

Supporting Documents

Attachment 1: Type: Qualification Report Summary

ADI_PCN_11_0269_Rev_-_AD9148 Qual Results.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 (7)				
AD9148 / AD9148-EBZ	AD9148 / AD9148-M5372-EBZ	AD9148 / AD9148-M5375-EBZ	AD9148 / AD9148BBCZ	AD9148 / AD9148BBCZRL
AD9148 / AD9148BBPZ	AD9148 / AD9148BBPZRL			

Appendix B - Revision History		
Rev	Publish Date	Rev Description
Rev. -	02-Nov-2011	Initial Release

Analog Devices, Inc.

DocId:1739 Parent DocId:1402 Layout Rev:6