



Product/Process Change Notice - PCN 12_0009 Rev. -

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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: ADV7511 Register Change

Publication Date: 26-Jan-2012

Effectivity Date: 25-Apr-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Add a register that disables the HDCP 1.1 Pj checking, which is optional for HDMI sources under HDCP 1.1. The new feature will be a drop in replacement for the current released version; HW and SW will behave identically to previous version. This silicon change will allow customers to disable the HDCP 1.1 Pj checking feature, but a software change would be required to update existing systems. Interested customers can implement this feature by following the instructions per application note, AN-1143 ADV7511 HDCP 1.1 Enable/Disable Feature.

Other change:

Change the silicon revision ID to easily distinguish the 2 silicon revisions:

Current Silicon Rev ID: 0x12

New Silicon Rev ID: 0x14

Reason For Change

Some HDCP 1.1 HDMI sink devices do not perform properly during the Pj checking. It has been determined that these are HDCP 1.1 incompatible devices. These sink devices may or may not fail HDCP 1.1 compliance checks, depending on which piece of equipment is used. ADI has contacted DCP (Digital Content Protection) LLC to inform them of the issue, and of encountering incompatible sink devices currently on the market.

For HDCP 1.1 source devices, Pj checking is optional. ADI had chosen to use the complete HDCP 1.1 feature set whenever possible, to take advantage of those features for establishing a more robust HDCP link. ADI's implementation will not allow the HDCP link to be established with incompatible HDCP 1.1 sink devices.

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

No impact to fit or form. Implementing this feature will increase ADV7511 tolerance level of HDMI sinks which are incompatible with HDCP 1.1.

No customer software upgrades are required, unless customers implement the new feature. With this new feature, customers can control the HDCP version (1.0 or 1.1) used when connected to an HDCP 1.1 sink.

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

(1) By revision ID:

New materials with this change: ADV7511's with a revision ID (R0x00)= 0x14

present present materials without this change: ADV7511's with a revision ID (R0x00) = 0x12

(2) Estimated ship date April 30, 2012

Summary of Supporting Information

No additional qualification requirements necessary (no change to active functional).

The ADV7511 qualification report for initial version is available on Feb 20, 2012

Comments

This change adds an option to disable the PJ checking. For customers who do not wish to implement this feature, this product would be a drop in replacement to the current version of ADV7511, with no Hardware and/or Software changes required. For customers who wish to implement this feature please refer to AN -1143 for detailed instructions.

Supporting Documents None

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 (2)

ADV7511 / ADV7511KSTZ	ADV7511 / ADV7511KSTZ-P			
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Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	26-Jan-2012	Initial Release

Analog Devices, Inc.

DocId:1815 Parent DocId:None Layout Rev:6