



Product/Process Change Notice - PCN 12_0306 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: ADuCM360/ADuCM361 Kernal Revision
Publication Date: 28-Nov-2012
Effectivity Date: 28-Nov-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Kernal revision from D30 to D31
Note: 0 or 1 represents the kernel revision. Existing released silicon is revision 0. The updated kernel that will have the fix in place for better flash read protection will be revision 1.

Reason For Change

Improve flash read protection security

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

In revision 1 of the kernel, an extra step is required to ensure the user flash space is always protected.
- For 128kB parts, the user must set flash address 0x1FFFE0 = 0x16032010 as well as set FEECON1.0=0
- For 64kB parts, the user must set flash address 0xFFFE0 = 0x16032010 as well as set FEECON1.0=0

The kernel will read this flash location and only enable the Serial Wire interface if the flash location does not contain this value. In the current D30 parts, the kernel always enables the serial wire interface on exiting the kernel. Therefore, there is a short time gap between exiting the kernel and the location in user code where flash read protection is enabled when someone may gain access to the flash.

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

Existing revision 0 kernal product contains D30 in Line 3 of the device branding.
Furture revision 1 kernel product will contain D31 in Line 3 of the device branding.

Summary of Supporting Information

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 (4)

ADUCM360 / ADuCM360BCPZ128	ADUCM360 / ADuCM360BCPZ128-R7	ADUCM361 / ADuCM361BCPZ128	ADUCM361 / ADuCM361BCPZ128-R7	
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Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	28-Nov-2012	28-Nov-2012	Initial Release

Analog Devices, Inc.

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