



Product/Process Change Notice - PCN 09_0173 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 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.

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

PCN Title: Power-Up Reset timing specification change applicable to select Blackfin Processors.

Publication Date: 17-Feb-2010

Effectivity Date: 17-Feb-2010 (the earliest date that a customer could expect to receive changed material)

Revision Description:

Additional products added:
ADSP-BF533SBBC400
ADSP-BF533SBBCZ400
ADSP-BF533SBBZ400
ADSP-BF533SBSTZ400

Description Of Change

This change affects the following Blackfin product Generics: ADSP-BF523/523C,BF525/525C,BF527/527C, BF531,BF532,BF533,BF534,BF536,BF537,BF538/538F,BF539/539F,BF542/542M,BF544/BF544M,BF547/BF547M,BF548/ BF548M,BF549,BF561.

Previous product data sheet revisions have contained a footnote stating at power-up, the processor's internal phase-locked loop requires no more than 2000 CLKIN cycles while RESET is asserted.

This footnote is being removed and TRST_IN_PWR specification and timing diagram are being included in the latest data sheet revisions. The number of CLKIN cycles is being changed to 3500 cycles.

Reason For Change

Correct an inconsistency present in previous datasheet revisions.

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

This change is expected to have no functional or reliability impact on customer designs. As most supervisor circuits assert RESET on the order of milliseconds, the additional worst case 150 microseconds (for a 10 MHz CLKIN) added due to this spec change is negligible. This change does not affect form or fit of the device.

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

No physical change will be made to the device. This is a change of electrical specification only.

Summary of Supporting Information

No Qualification is required.

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

05	05RL	ADW95077Z-05	05RL	05	05RL
SST-GPS / ADSST-NAV2520	SST-MOD / ADSST-V32-BM3440CS	SST-MOD / ADSST-V32-BM3640BS	SST-MOD / ADSST-V32-BM3740CS	SST-MOD / ADSST-V34-BCS0284Z	SST-MOD / ADSST-V34-BCS0291Z
SST-RADIO / ADSST-DR-06Z	SST-VIDEO / ADSST-IP2111	SST-VIDEO / ADSST-IP2151	SST-VIDEO / ADSST-IP3010	SST-VIDEO / ADSST-VC9000N-03Z	

Added Parts On This Revision - Product Family / Model Number (4)

ADSP-BF533L / ADSP-BF533SBBC400	ADSP-BF533L / ADSP-BF533SBBCZ400	ADSP-BF533L / ADSP-BF533SBBZ400	ADSP-BF533L / ADSP-BF533SBSTZ400
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Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	05-Oct-2009	Initial Release
Rev. A	17-Feb-2010	Additional products added: ADSP-BF533SBBC400 ADSP-BF533SBBCZ400 ADSP-BF533SBBZ400 ADSP-BF533SBSTZ400

Analog Devices, Inc.

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