



Product/Process Change Notice - PCN 13_0188 Rev. A

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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.

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

PCN Title: Datasheet changes for Blackfin ADSP-BF531/ BF532/ BF533 Processors

Publication Date: 05-Sep-2013

Effectivity Date: 05-Sep-2013 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Correction to VDDEXT condition for VIL specification to 2.7V; not 2.75V as previously provided in Rev - of this PCN.

Description Of Change

In Rev I of the ADSP-BF531/ BF532/ BF533 product datasheet, the following changes have been incorporated:

- 1) Pg #15, Development Tools: Adding information for CrossCore Development Tools.
- 2) Pg #20, VDDEXT condition for VIL specification changed from 2.25V to 2.7V.
- 3) Pg #36, Serial Ports Enable and Three-State: 2 footnotes have been added.
- 4) Pg #41, Timer Cycle Timing: Added specifications for tTIH, tTIS, tTOD.
- 5) Pg #64, Added new product ADSP-BF533SBBC400 to ordering guide.

Reason For Change

Updated datasheet to reflect current changes.

VDDEXT condition changed to more accurately represent the VIL specification.

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

Changes have no affect on Fit, Form, Function or Reliability of the products.

Summary of Supporting Information

See Rev I datasheet.

Supporting Documents

Attachment 1: Type: Revised Datasheet Specification

ADI_PCN_13_0188_Rev_A_ADSP-BF531_2_3_RevI.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

Existing Parts - Product Family / Model Number (97)

| | | | | |
|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------------------------|
| ADSP-BF531 / AD91180Z | ADSP-BF531 / ADSP-BF531SBB400 | ADSP-BF531 / ADSP-BF531SBB400 | ADSP-BF531 / ADSP-BF531SBB400 | ADSP-BF531 / ADSP-BF531SBB400 |
| ADSP-BF531 / ADSP-BF531SBBZ400 | ADSP-BF531 / ADSP-BF531SBSTZ400 | ADSP-BF531SST / ADSP-BF531SBBZC52 | ADSP-BF531SST / ADSP-BF531SBBZC92 | ADSP-BF531SST / ADSP-BF531SBSTZC70 |
| ADSP-BF531SSTD / ADSST-BF-AVR-1010 | ADSP-BF531SSTD / ADSST-BF-HMS-1056 | ADSP-BF531SSTD / ADSST-IP2140 | ADSP-BF531SSTD / ADSST-MPEG-BF531Z | ADSP-BF531SSTD / ADSST-SB-1011 |
| ADSP-BF531SSTD / ADSST-V34-BCS30Z | ADSP-BF531SSTD / ADSST-V34-BM3121BL | ADSP-BF531SSTD / ADSST-V90-BCS30Z | ADSP-BF531SSTD / ADSST-V90-BM3131BC | ADSP-BF531SSTD / ADSST-V90-BSM10Z |
| ADSP-BF531SSTD / ADSST-V90-BSM20Z | ADSP-BF531W-06 / ADBF531WBBC406 | ADSP-BF531W-06 / ADBF531WBBC406RL | ADSP-BF531W-06 / ADBF531WBBCZ406 | ADSP-BF531W-06 / ADBF531WBBCZ406RL |
| ADSP-BF531W-06 / ADBF531WBBZ406 | ADSP-BF531W-06 / ADBF531WBSTZ406 | ADSP-BF531W-06 / ADBF531WYBC406RL | ADSP-BF531W-06 / ADBF531WYBCZ406 | ADSP-BF531W-06 / ADW95059Z-06 |
| ADSP-BF531W-06 / ADW95067Z-06RL | ADSP-BF531W-06 / ADW95086-06 | ADSP-BF531W-06 / ADW95086-06RL | ADSP-BF531W-06 / ADW95086Z-06 | ADSP-BF531W-06 / ADW95086Z-06RL |
| ADSP-BF531W-06 / ADW95102Z-06RL | ADSP-BF531W-06 / ADW95103Z-06 | ADSP-BF532 / ADSP-BF532SBB400 | ADSP-BF532 / ADSP-BF532SBB400 | ADSP-BF532 / ADSP-BF532SBBZ400 |
| ADSP-BF532 / ADSP-BF532SBSTZ400 | ADSP-BF532-D / ADSST-V34-PCMNEC3Z | ADSP-BF532SST / ADSP-BF532SBSTZC50 | ADSP-BF532SST / ADSST-NAV25Z-EV | ADSP-BF532SSTD / ADSST-BF-HMS-1010 |
| ADSP-BF532W-06 / ADBF532WBBCZ406 | ADSP-BF532W-06 / ADBF532WBBZ406 | ADSP-BF532W-06 / ADBF532WBSTZ406 | ADSP-BF532W-06 / ADBF532WYBCZ406 | ADSP-BF532W-06 / ADBF532WYBZ406 |
| ADSP-BF532W-06 / ADW95037Z-06 | ADSP-BF532W-06 / ADW95043Z-06 | ADSP-BF532W-06 / ADW95050Z-06 | ADSP-BF532W-06 / ADW95090Z-06 | ADSP-BF532W-06 / ADW95100Z-06 |
| ADSP-BF532W-06 / ADW95109Z-06 | ADSP-BF532W-06 / ADW95109Z-06RL | ADSP-BF533 / AD91181Z | ADSP-BF533 / ADSP-BF533SBB500 | ADSP-BF533 / ADSP-BF533SBBZ-5V |
| ADSP-BF533 / ADSP-BF533SBB500 | ADSP-BF533 / ADSP-BF533SBBZ-5V | ADSP-BF533 / ADSP-BF533SBBZ500 | ADSP-BF533 / ADSP-BF533SBBZ500 | ADSP-BF533 / ADSP-BF533SKBC-6V |
| ADSP-BF533 / ADSP-BF533SKBCZ-6V | ADSP-BF533 / ADSP-BF533SKSTZ-5V | ADSP-BF533L / ADSP-BF533SBB400 | ADSP-BF533L / ADSP-BF533SBBZ400 | ADSP-BF533L / ADSP-BF533SBBZ400 |
| ADSP-BF533L / ADSP-BF533SBSTZ400 | ADSP-BF533L / ADSP-BF533YBCZ-4A | ADSP-BF533SST / ADSP-BF533SKBCZ6VC | ADSP-BF533SST / ADSP-BF533SKSTZ6VC | ADSP-BF533SSTD / ADSST-BF-AVR-1170 |
| ADSP-BF533SSTD / ADSST-BF-HMS-1033 | ADSP-BF533SSTD / ADSST-BF-HMS-1058 | ADSP-BF533SSTD / ADSST-BF-HMS-1060 | ADSP-BF533SSTD / ADSST-BF-HMS-1066 | ADSP-BF533SSTD / ADSST-BF-HMS-1067 |
| ADSP-BF533SSTD / ADSST-BMM-224Z | ADSP-BF533SSTD / ADSST-DR-07Z | ADSP-BF533SSTD / ADSST-DR-08Z | ADSP-BF533SSTD / ADSST-DR-12Z | ADSP-BF533SSTD / ADSST-DRM-01Z |
| ADSP-BF533SSTD / ADSST-IP-1112-AF | ADSP-BF533SSTD / ADSST-IP2150 | ADSP-BF533SSTD / ADSST-IP2153 | ADSP-BF533SSTD / ADSST-MP3-9031PEAV | ADSP-BF533SSTD / ADSST-MPEG-1025Z |
| ADSP-BF533SSTD / ADSST-SB-1010 | ADSP-BF533W-06 / ADBF533WBBCZ506 | ADSP-BF533W-06 / ADBF533WBBZ506 | ADSP-BF533W-06 / ADBF533WYBCZ406 | ADSP-BF533W-06 / ADBF533WYBZ406 |
| ADSP-BF533W-06 / ADW95044Z-06 | ADSP-BF533W-06 / ADW95104Z-06 | | | |

Appendix B - Revision History

| Rev | Publish Date | Effectivity Date | Rev Description |
|------------|---------------------|-------------------------|--|
| Rev. - | 29-Aug-2013 | 28-Aug-2013 | Initial Release |
| Rev. A | 05-Sep-2013 | 05-Sep-2013 | Correction to VDDEXT condition for VIL specification to 2.7V; not 2.75V as previously provided in Rev - of this PCN. |

Analog Devices, Inc.

DocId:2510 Parent DocId:None Layout Rev:7