September 11, 2009

PDN Number: 0907
PDN Change Level: Major
Subject: Discontinuation of IP Evaluation Boards and Development Kits

Dear Actel Customer,

This letter is to inform you of Actel's decision to obsolete several of the IP evaluation boards and development kits, which are listed in Table 1. Note that some inventory exists for the these part numbers and they will continue to be sold until stock is depleted. Recommended replacement part numbers are provided where applicable.

Obsolete Development Kits and Replacement Part Numbers

Refer to Table 1 for the list of obsolete development kits and replacement part numbers.

Table 1. Obsolete Development Kits and Replacement Part Numbers

Obsolete Part Number and Description	Replacement Part Number and Description
Core1553B Evaluation Board PCI card with MIL-STD-1553B connectors	None
Core1553BRT-SKT Programmed A54SX32A-BG329 chip and socket lid. Chip implemented a MIL-STD-1553BRT to PCI interface. To be used with the Core1553B Evaluation Board.	None
Core1553BBC-SKT Programmed A54SX32A-BG329 chip and socket lid. Chip implemented a MIL-STD-1553BBC to PCI interface. To be used with the Core1553B Evaluation Board.	None
Core1553BRM-DEV-KIT Core1553BRM Development Kit	**CORE1553-DEV-KIT** Core1553 Development Kit. Includes Core1553 Daughter Card (CORE1553-SA), Fusion Advanced Development Kit with power supplies (M1AFS-ADV-DEV-KIT-PWR), and quickstart card. User's guide and source files, downloadable from www.actel.com, allow the user to program included Fusion Advanced development kit when connected to Core1553 Daughter Card to create a 1553B bus controller, remote terminal, and bus monitor compliant with MIL-STD-1553B. Once programmed, the kit provides the customer with a self-contained 1553B bus evaluation system.

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Table 1. Obsolete Development Kits and Replacement Part Numbers (continued)

Obsolete Part Number and Description	Replacement Part Number and Description
Core1553BRM-DEV-KIT-FPL Core1553BRM Development Kit with a FlashPro Lite programmer	None
Core429-DEV-KIT-FPL Core429 Development Kit with a FlashPro Lite programmer	**Core429-DEV-KIT-2** Core429 Development Kit includes Core429-SA Daughter Card, IP-DC-SA IP Daughter Card, M1AFS-ADV-DEV-KIT-PWR Fusion Advanced Development Kit with power supplies, and quickstart card. User's Guide and source files, downloadable from www.actel.com, allow the user to program the included Fusion Advanced development kit when connected to Core429 to create an ARINC 429 evaluation and development system.
CorePCI Evaluation Board PCI card implementing 33 or 66 MHz in an A54SX32A-BG329 device	None
COREPCIF-DDR-KIT-A3PE PCI and double data rate (DDR) SDRAM Development Kit with an A3PE600-FG484 and FlashPro 3 programmer	None
PFAX-DEV-KIT PCI card implementing PCI target plus DMA in an AX1000-FG676 device.	None
PF8051-DEV-KIT Platform 8051 Development Kit	**M1AFS-ADV-DEV-KIT** Fusion Advanced Development Kit
PF8051-DEV-KIT-FPL Platform 8051 Development Kit with a FlashPro Lite Programmer	**M1AFS-ADV-DEV-KIT** Fusion Advanced Development Kit

Replacement Kits

The Actel Fusion® Advanced Development Kit (M1AFS-ADV-DEV-KIT) was launched in April 2009. The full kit information is available at http://www.actel.com/products/hardware/devkits_boards/fusion_adv.aspx. The Fusion Advanced Development Kit includes advanced interfaces for embedded designs using the M1AFS1500 device for either ARM® Cortex™-M1 or 8051 processors, with significant reduction in price over the previous system management kit. This board demonstrates the Mixed-Signal Power Manager (MPM) reference design. Features include: 128-Mbit parallel flash, 10/100 Ethernet, USB-to- UART, I^2C interfaces, DirectC header, FlashPro3 and RealView debug interface, Blue OLED 96x16 pixel display, and Legacy Support Connector.

The M1AFS-ADV-KIT is RoHS compliant. The kit can be ordered with or without the 9 V power supplies, as shown in Table 2.

Table 2. Ordering Information for Fusion Advanced Development Kit

Actel Part Number	Comments
M1AFS-ADV-DEV-KIT	With no power supplies
M1AFS-ADV-DEV-KIT-PWR	Includes 2 x 9V POWER PACK
9V POWER PACK	

The Core1553 Development Kit (CORE1553-DEV-KIT) was first available in August 2009. Full kit information is available at http://actel.com/products/hardware/devkits_boards/core1553_fadk.aspx. The Core1553 Development Kit allows users to evaluate the functionality of Actel's Core1553BRM without having to create a complete MIL-STD-1553B-compliant system. The source files included with the Core1553 Development Kit provide the user with programming files necessary to program a Fusion Advanced Development Kit and thereby create a 1553 bus controller, remote terminal, and bus monitor compliant with MIL-STD-1553B. The targeted FPGA (M1AFS1500) is mounted on the Fusion Advanced development kit board. The 1553 bus physical connections are included on the Core1553 Daughter Card, which plugs directly onto the Fusion Advanced Development Kit board. Once programmed, the development board provides the customer with a self-contained 1553 bus evaluation system. Refer to Table 3 for ordering information.

Table 3. Ordering Information for Core1553 Development Kit

Actel Part Number	Comments
CORE1553-DEV-KIT	Includes Core1553 Daughter Card (CORE1553-SA), Fusion Advanced Development Kit with power supplies (M1AFS-ADV-DEV-KIT-PWR), and quickstart card.
CORE1553-SA	Core1553 Daughter Card only

The Core429 Development Kit (CORE429-DEV-KIT-2) is a new kit due to ship in November 2009. Full kit information will be available on the Actel website at that time. The Core429 Development Kit demonstration design enables avionics designers to evaluate the functionality of Actel's Core429 with a full development kit that includes ARINC 429 example software, Core429 programming files, ARINC 429 physical connections, and full user documentation. Designers can use the files included with the Core429 Development Kit to program the M1AFS1500-FG484 device on the M1AFS-ADV-DEV-KIT to create an ARINC platform with four transmit channels and four receive channels. The Core429 Daughter Card has ARINC 429 physical connections and is plugged directly onto an IP-DC-SA IP Daughter Card. The IP Daughter Card is plugged on to M1AFS-ADV-DEV-KIT. With Core429 programmed into the FPGA and the Core429 Daughter Card connected to the M1AFS-ADV-DEV-KIT board via the IP Daughter Card, designers have control of a complete ARINC 429 evaluation system compliant with the ARINC 429-16 specification.

Table 4 provides ordering information for the Core429 Development Kit.

Table 4. Ordering Information for Core429 Development Kit

Actel Part Number	Comments
CORE429-DEV-KIT-2	Core429 Development Kit includes Core429-SA Daughter Card, IP-DC-SA IP connector board, M1AFS-ADV-DEV-KIT-PWR Fusion Advanced Development Kit with power supplies, and quickstart card.
IP-DC-SA	IP Daughter Card, required to connect CORE429-SA Daughter Board to M1AFS-ADV-DEV-KIT-PWR Fusion Advanced Development Kit
CORE429-SA	Core1553 daughter card only

Should you have any questions, please contact your local Actel Sales Representative.

Sincerely,

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