



Removing Support for PowerPC405 Parity Checking in all Virtex-4 FX FPGAs

XCN10007 (v1.0) January 11, 2010

Product Change Notice - For Your Information

Overview

The purpose of this notification is to inform Xilinx customer of removal of Xilinx support for *Parity Checking* for PowerPC®405 in all Virtex®-4 FX FPGAs for the “XC” Commercial “C”, Industrial “I” and Aerospace/Defense “XQ” devices. There is no change to the form, fit, function, or reliability with this notice.

Description

Xilinx is removing support for *Parity Checking* for PowerPC405 in all Virtex-4 FX FPGAs and updating the following documents to reflect this change:

[UG011](#) - PowerPC Processor Reference Guide

[UG018](#) - PowerPC 405 Processor Block Reference Guide

This change shows minimal impact for most Xilinx customers since *Parity Checking* is disabled by default. Customers must use custom code to actively enable this feature for use.

This feature is already under errata through answer record [20658](#).

Products Affected

This change includes all Virtex-4 FX FPGA products (XC and XQ), speed (-10, -11, -12 speed) and temperatures grade. The standard part numbers affected by this change are listed in [Table 1](#):

Table 1: Commercial “XC” Products Affected

Xilinx Product	Xilinx Product
XC4VFX100-FF1152	XC4VFX20-FF672
XC4VFX100-FF1517	XC4VFX20-FFG672
XC4VFX100-FFG1152	XC4VFX40-FF1152
XC4VFX100-FFG1517	XC4VFX40-FF672
XC4VFX12-FF668	XC4VFX40-FFG1152
XC4VFX12-FFG668	XC4VFX40-FFG672
XC4VFX12SF363	XC4VFX60-FF1152
XC4VFX12SFG363	XC4VFX60-FF672
XC4VFX140-FF1517	XC4VFX60-FFG1152
XC4VFX140-FF1760	XC4VFX60-FFG672
XC4VFX140-FFG1517	

The products affected include all standard part numbers and specification control document (SCD) versions of the standard part numbers listed in [Table 1](#).

Table 2: Aerospace and Defense “XQ” Products Affected

Xilinx Product	Xilinx Product
XQ4VFX100-FF1152	XQ4VFX20-FF672
XQ4VFX100-FF1517	XQ4VFX20-FFG672
XQ4VFX100-FFG1152	XQ4VFX40-FF1152
XQ4VFX100-FFG1517	XQ4VFX40-FF672
XQ4VFX12-FF668	XQ4VFX40-FFG1152
XQ4VFX12-FFG668	XQ4VFX40-FFG672
XQ4VFX12SF363	XQ4VFX60-FF1152
XQ4VFX12SFG363	XQ4VFX60-FF672
XQ4VFX140-FF1517	XQ4VFX60-FFG1152
XQ4VFX140-FF1760	XQ4VFX60-FFG672
XQ4VFX140-FFG1517	

Key Dates and Ordering Information

This PCN is active upon release.

Response

No response is required. For additional information or questions, please contact [Xilinx Technical Support](#).

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Additional Documentation

Answer Record 20658:

<http://www.xilinx.com/support/answers/20658.htm>.

Errata Summary:

ftp://ftp.xilinx.com/pub/documentation/misc/ppc405f6v5_2_0.pdf.

Revision History

The following table shows the revision history for this document:

Date	Version	Description of Revisions
1/11/2010	1.0	Initial release.

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