Overview

The purpose of this notification is to communicate that Xilinx® is discontinuing all Virtex-II Pro FPGA products due to supplier line discontinuance.

Description

Xilinx's fab manufacturer will be discontinuing the wafer fabrication process line for 0.13μm (Virtex-II Pro FPGA Product family). This product discontinuance notice applies to all speed and temperature-grade variants (XC and XQ part numbers) of Virtex-II Pro FPGA product family.

In view of this discontinuation, there will be no RoHS transition plan for Virtex-II Pro FPGA Product to comply with the European Union's RoHS 2 directive (2011/95/EU). Xilinx will continue to supply Virtex-II Pro FPGA parts with eutectic material for the solder bumps between the semiconductor die and the substrate until Last-Time-Ship (LTS) date as indicated in this notification.

This notice should be used in conjunction with previous discontinuance notices which can be found at Xilinx.com.

Products Affected

The products affected include all standard part numbers and specification control document (SCD) versions of the standard part numbers listed in this notice.

Table 1: **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP2-5FF672C	No direct replacement	XC2VP2-5FG256C	No direct replacement
XC2VP2-5FF672I	No direct replacement	XC2VP2-5FG256I	No direct replacement
XC2VP2-6FF672C	No direct replacement	XC2VP2-6FG256C	No direct replacement
XC2VP2-6FF672I	No direct replacement	XC2VP2-6FG256I	No direct replacement
XC2VP2-7FF672C	No direct replacement	XC2VP2-7FG256C	No direct replacement
XC2VP2-5FFG672C	No direct replacement	XC2VP2-5FGG256C	No direct replacement
XC2VP2-5FFG672I	No direct replacement	XC2VP2-5FGG256I	No direct replacement
XC2VP2-6FFG672C	No direct replacement	XC2VP2-6FGG256C	No direct replacement
XC2VP2-6FFG672I	No direct replacement	XC2VP2-6FGG256C0935	No direct replacement
XC2VP2-7FFG672C	No direct replacement	XC2VP2-6FGG256I	No direct replacement
		XC2VP2-7FGG256C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP2-5FG456C	No direct replacement	XC2VP2-5FGG456C	No direct replacement
XC2VP2-5FG456I	No direct replacement	XC2VP2-5FGG456I	No direct replacement
XC2VP2-6FG456C	No direct replacement	XC2VP2-6FGG456C	No direct replacement
XC2VP2-6FG456I	No direct replacement	XC2VP2-6FGG456I	No direct replacement
XC2VP2-7FG456C	No direct replacement	XC2VP2-7FGG456C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP4-5FF672C	No direct replacement	XC2VP4-5FGG256C	No direct replacement
XC2VP4-5FF672I	No direct replacement	XC2VP4-5FGG256I	No direct replacement
XC2VP4-6FF672C	No direct replacement	XC2VP4-6FGG256C	No direct replacement
XC2VP4-6FF672I	No direct replacement	XC2VP4-6FGG256C0935	No direct replacement
XC2VP4-7FF672C	No direct replacement	XC2VP4-6FGG256I	No direct replacement
XC2VP4-5FFG672C	No direct replacement	XC2VP4-7FGG256C	No direct replacement
XC2VP4-5FFG672I	No direct replacement	XC2VP4-5FG456C	No direct replacement
XC2VP4-6FFG672C	No direct replacement	XC2VP4-5FG456I	No direct replacement
XC2VP4-6FFG672I	No direct replacement	XC2VP4-6FG456C	No direct replacement
XC2VP4-7FFG672C	No direct replacement	XC2VP4-6FG456I	No direct replacement
XC2VP4-5FG256C	No direct replacement	XC2VP4-7FG456C	No direct replacement
XC2VP4-5FG256I	No direct replacement	XC2VP4-5FGG456C	No direct replacement
XC2VP4-6FG256C	No direct replacement	XC2VP4-5FGG456I	No direct replacement
XC2VP4-6FG256I	No direct replacement	XC2VP4-6FGG456C	No direct replacement
XC2VP4-7FG256C	No direct replacement	XC2VP4-6FGG456I	No direct replacement
		XC2VP4-7FGG456C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP7-5FF672C	No direct replacement	XC2VP7-5FF896C	No direct replacement
XC2VP7-5FF672I	No direct replacement	XC2VP7-5FF896I	No direct replacement
XC2VP7-6FF672C	No direct replacement	XC2VP7-6FF896C	No direct replacement
XC2VP7-6FF672I	No direct replacement	XC2VP7-6FF896I	No direct replacement
XC2VP7-7FF672C	No direct replacement	XC2VP7-7FF896C	No direct replacement
XC2VP7-5FFG672C	No direct replacement	XC2VP7-5FFG896C	No direct replacement
XC2VP7-5FFG672I	No direct replacement	XC2VP7-5FFG896I	No direct replacement
XC2VP7-6FFG672C	No direct replacement	XC2VP7-6FFG896C	No direct replacement
XC2VP7-6FFG672I	No direct replacement	XC2VP7-6FFG896I	No direct replacement
XC2VP7-7FFG672C	No direct replacement	XC2VP7-7FFG896C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP7-5FG456C	No direct replacement	XC2VP7-5FGG456C	No direct replacement
XC2VP7-5FG456I	No direct replacement	XC2VP7-5FGG456C0924	No direct replacement
XC2VP7-6FG456C	No direct replacement	XC2VP7-5FGG456I	No direct replacement
XC2VP7-6FG456I	No direct replacement	XC2VP7-6FGG456C	No direct replacement
XC2VP7-7FG456C	No direct replacement	XC2VP7-6FGG456I	No direct replacement
		XC2VP7-7FGG456C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP20-5FF1152C	No direct replacement	XC2VP20-5FFG896C	No direct replacement
XC2VP20-5FF1152I	No direct replacement	XC2VP20-5FFG896I	No direct replacement
XC2VP20-6FF1152C	No direct replacement	XC2VP20-6FFG896C	No direct replacement
XC2VP20-6FF1152I	No direct replacement	XC2VP20-6FFG896I	No direct replacement
XC2VP20-7FF1152C	No direct replacement	XC2VP20-7FFG896C	No direct replacement
XC2VP20-5FFG1152C	No direct replacement	XC2VP20-5FG676C	No direct replacement
XC2VP20-5FFG1152I	No direct replacement	XC2VP20-5FG676I	No direct replacement
XC2VP20-6FFG1152C	No direct replacement	XC2VP20-6FG676C	No direct replacement
XC2VP20-6FFG1152I	No direct replacement	XC2VP20-6FG676I	No direct replacement
XC2VP20-7FFG1152C	No direct replacement	XC2VP20-7FG676C	No direct replacement
XC2VP20-5FF896C	No direct replacement	XC2VP20-5FGG676C	No direct replacement
XC2VP20-5FF896I	No direct replacement	XC2VP20-5FGG676I	No direct replacement
XC2VP20-6FF896C	No direct replacement	XC2VP20-6FGG676C	No direct replacement
XC2VP20-6FF896I	No direct replacement	XC2VP20-6FGG676I	No direct replacement
XC2VP20-7FF896C	No direct replacement	XC2VP20-7FGG676C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP30-5FF1152C	No direct replacement	XC2VP30-5FF896C	No direct replacement
XC2VP30-5FF1152I	No direct replacement	XC2VP30-5FF896I	No direct replacement
XC2VP30-6FF1152C	No direct replacement	XC2VP30-6FF896C	No direct replacement
XC2VP30-6FF1152I	No direct replacement	XC2VP30-6FF896I	No direct replacement
XC2VP30-7FF1152C	No direct replacement	XC2VP30-7FF896C	No direct replacement
XC2VP30-5FFG1152C	No direct replacement	XC2VP30-5FFG896C	No direct replacement
XC2VP30-5FFG1152I	No direct replacement	XC2VP30-5FFG896I	No direct replacement
XC2VP30-6FFG1152C	No direct replacement	XC2VP30-6FFG896C	No direct replacement
XC2VP30-6FFG1152I	No direct replacement	XC2VP30-6FFG896I	No direct replacement
XC2VP30-7FFG1152C	No direct replacement	XC2VP30-7FFG896C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP30-5FG676C	No direct replacement	XC2VP30-5FGG676C	No direct replacement
XC2VP30-5FG676I	No direct replacement	XC2VP30-5FGG676I	No direct replacement
XC2VP30-6FG676C	No direct replacement	XC2VP30-6FGG676C	No direct replacement
XC2VP30-6FG676I	No direct replacement	XC2VP30-6FGG676I	No direct replacement
XC2VP30-7FG676C	No direct replacement	XC2VP30-7FGG676C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP40-5FF1148C	No direct replacement	XC2VP40-5FFG1152I	No direct replacement
XC2VP40-5FF1148I	No direct replacement	XC2VP40-6FFG1152C	No direct replacement
XC2VP40-6FF1148C	No direct replacement	XC2VP40-6FFG1152I	No direct replacement
XC2VP40-6FF1148I	No direct replacement	XC2VP40-7FFG1152C	No direct replacement
XC2VP40-7FF1148C	No direct replacement	XC2VP40-5FG676C	No direct replacement
XC2VP40-5FFG1148C	No direct replacement	XC2VP40-5FG676I	No direct replacement
XC2VP40-5FFG1148I	No direct replacement	XC2VP40-6FG676C	No direct replacement
XC2VP40-6FFG1148C	No direct replacement	XC2VP40-6FG676I	No direct replacement
XC2VP40-6FFG1148I	No direct replacement	XC2VP40-7FG676C	No direct replacement
XC2VP40-7FFG1148C	No direct replacement	XC2VP40-5FGG676C	No direct replacement
XC2VP40-5FF1152C	No direct replacement	XC2VP40-5FGG676I	No direct replacement
XC2VP40-5FF1152I	No direct replacement	XC2VP40-6FGG676C	No direct replacement
XC2VP40-6FF1152C	No direct replacement	XC2VP40-6FGG676I	No direct replacement
XC2VP40-6FF1152I	No direct replacement	XC2VP40-7FGG676C	No direct replacement
XC2VP40-7FF1152C	No direct replacement	XQ2VP40-5FF1152N	No direct replacement
XC2VP40-5FFG1152C	No direct replacement	XQ2VP40-5FG676N	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP50-5FF1148C	No direct replacement	XC2VP50-5FF1152C	No direct replacement
XC2VP50-5FF1148I	No direct replacement	XC2VP50-5FF1152I	No direct replacement
XC2VP50-6FF1148C	No direct replacement	XC2VP50-5FF1152I4017	No direct replacement
XC2VP50-6FF1148I	No direct replacement	XC2VP50-6FF1152C	No direct replacement
XC2VP50-7FF1148C	No direct replacement	XC2VP50-6FF1152I	No direct replacement
XC2VP50-5FFG1148C	No direct replacement	XC2VP50-6FF1152I4017	No direct replacement
XC2VP50-5FFG1148I	No direct replacement	XC2VP50-7FF1152C	No direct replacement
XC2VP50-6FFG1148C	No direct replacement	XC2VP50-5FFG1152C	No direct replacement
XC2VP50-6FFG1148I	No direct replacement	XC2VP50-5FFG1152I	No direct replacement
XC2VP50-7FFG1148C	No direct replacement	XC2VP50-6FFG1152C	No direct replacement
		XC2VP50-6FFG1152I	No direct replacement
		XC2VP50-7FFG1152C	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP50-5FF1517C	No direct replacement	XC2VP50-5FFG1517C	No direct replacement
XC2VP50-5FF1517I	No direct replacement	XC2VP50-5FFG1517I	No direct replacement
XC2VP50-6FF1517C	No direct replacement	XC2VP50-6FFG1517C	No direct replacement
XC2VP50-6FF1517I	No direct replacement	XC2VP50-6FFG1517I	No direct replacement
XC2VP50-7FF1517C	No direct replacement	XC2VP50-7FFG1517C	No direct replacement
XC2VP50-7FF1517C0991	No direct replacement		

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part	Part Number	Replacement Part
XC2VP70-5FF1517C	No direct replacement	XC2VP70-5FF1704C	No direct replacement
XC2VP70-5FF1517I	No direct replacement	XC2VP70-5FF1704I	No direct replacement
XC2VP70-5FF1517I4017	No direct replacement	XC2VP70-6FF1704C	No direct replacement
XC2VP70-6FF1517C	No direct replacement	XC2VP70-6FF1704I	No direct replacement
XC2VP70-6FF1517I	No direct replacement	XC2VP70-7FF1704C	No direct replacement
XC2VP70-7FF1517C	No direct replacement	XC2VP70-5FFG1704C	No direct replacement
XC2VP70-5FFG1517C	No direct replacement	XC2VP70-5FFG1704I	No direct replacement
XC2VP70-5FFG1517I	No direct replacement	XC2VP70-6FFG1704C	No direct replacement
XC2VP70-6FFG1517C	No direct replacement	XC2VP70-6FFG1704I	No direct replacement
XC2VP70-6FFG1517I	No direct replacement	XC2VP70-7FFG1704C	No direct replacement
XC2VP70-7FFG1517C	No direct replacement	XQ2VP70-6EF1704I	No direct replacement
		XQ2VP70-6EF1704I0892	No direct replacement
		XQ2VP70-5FF1704N	No direct replacement

Table 1 (Continued): **Virtex-II Pro Family FPGA Products Affected**

Part Number	Replacement Part
XC2VP100-5FF1704C	No direct replacement
XC2VP100-5FF1704I	No direct replacement
XC2VP100-5FF1704I0951	No direct replacement
XC2VP100-5FF1704I0975	No direct replacement
XC2VP100-6FF1704C	No direct replacement
XC2VP100-6FF1704I	No direct replacement
XC2VP100-5FFG1704C	No direct replacement
XC2VP100-5FFG1704I	No direct replacement
XC2VP100-6FFG1704C	No direct replacement
XC2VP100-6FFG1704I	No direct replacement

Key Dates and Ordering Information

Final orders (LTB) for FPGA parts will be accepted until July 31st, 2020, subject to material availability.

An order remaining open on or after May 31st, 2020 will be deemed Non-Cancellable, Non-Returnable (NCNR).

Final deliveries (LTS) for FPGA parts must occur on or before January 31st, 2021.

Return Material Authorizations (RMA) for replacement devices due to quality issues will be accepted until July 31st, 2021.

Response

No response required.

Customers are requested to place last-time-buy orders in a timely manner prior to the key dates listed above to avoid product availability issues. If you anticipate that your last time buy requirements will exceed the current rate, please provide your Xilinx Sales Representative with a forecast of the requirements. All orders will be supported on a first-come, first-served basis with the non-cancellable and non-returnable (NCNR) condition. For additional information or questions, contact your local Xilinx Sales representative.

Important Notice: Xilinx Customer Notifications (XCNs, XDNs, and Quality Alerts) can be delivered via e-mail alerts sent by the Support website (http://www.xilinx.com/support). Register today and personalize your "Documentation and Design Advisory Alerts" area to include Customer Notifications. Xilinx Support provides many benefits, including the ability to receive alerts for new and updated information about specific products, as well as alerts for other publications such as data sheets, errata, application notes, etc. For information on how to sign up, refer to Xilinx Answer Record 18683

Revision History

The following table shows the revision history for this document.

Date	Version	Revision
01/06/2020	v1.0	Initial release.

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