

Overview

The purpose of this notification is to communicate that Xilinx will continue supplying Eutectic bump from an additional bump factory at Siliconware Precision Industry Ltd. (SPIL) for the next few coming years for all Virtex®-II Pro, Virtex®-4, Virtex®-5 and Virtex®-6 FPGAs defense-grade “XQ” flip-chip products. As described in [XCN16003](#), Xilinx has also qualified defense-grade 7 Series XQ FPGA product on the additional bump facility.

Description

SPIL is a Xilinx qualified flip-chip bumping and assembly supplier for all XQ flip-chip products. It will continue supplying Eutectic bump from an additional qualified bumping factory site within the same city for the next few coming years. All bill of material, equipment, dimensions and processes are identical for the two bumping factory sites. There is no change to the form, fit, or function.

Products Affected

This change affects all Virtex-II Pro, Virtex-4, Virtex-5 and Virtex-6 FPGAs defense-grade “XQ” flip-chip products including all versions under specification control documentation (SCD) reference.

Table 1: Virtex-II Pro FPGAs XQ Products Family Affected

Xilinx Part Number	Xilinx Part Number	Xilinx Part Number
XQ2VP40-5FF1152N	XQ2VP70-5FF1704N	XQ2VP70-6EF1704I
XQ2VP70-6EF1704I0892		

Table 2: Virtex-4 FPGAs XQ Products Family Affected

Xilinx Part Number	Xilinx Part Number	Xilinx Part Number
XQ4VFX100-10FF1152I	XQ4VLX25-10FF668M	XQ4VLX25-DIE4058
XQ4VFX100-11FF1152I	XQ4VLX25-10SF363M	XQ4VLX60-DIE4058
XQ4VFX100-11FF1152I4012	XQ4VLX40-10FF668M	
XQ4VFX100-11FFG1152I4012	XQ4VLX60-10EF668M	
XQ4VFX140-10FF1517I	XQ4VLX60-10FF1148M	
XQ4VFX140-10FF1517I4209	XQ4VLX60-10FF668I	
XQ4VFX60-10EF672I	XQ4VLX60-10FF668M	
XQ4VFX60-10EF672M	XQ4VLX80-11FF1148I	
XQ4VFX60-10FF1152I	XQ4VSX35-9FF668I	
XQ4VFX60-10FFG1152I	XQ4VSX35-9FFG668I	
XQ4VLX100-10FF1148I	XQ4VSX55-10FF1148M	
XQ4VLX100-11FF1148I	XQ4VFX60-DIE4058	
XQ4VLX160-10FF1148I	XQ4VFX100-DIE4058	
XQ4VLX160-10FF1148I4154	XQ4VSX35-DIE4058	

Table 3: Virtex-5 FPGAs XQ Products Family Affected

Xilinx Part Number	Xilinx Part Number	Xilinx Part Number
XQ5VFX100T-1EF1136I	XQ5VLX110-1EF676I	XQ5VSX240T-1FF1738I
XQ5VFX100T-1EF1136M	XQ5VLX110-2EF1153I	XQ5VSX240T-1FF1738I4195
XQ5VFX100T-1EF1738I	XQ5VLX110-2EF676I	XQ5VSX50T-1EF665I
XQ5VFX100T-2EF1136I	XQ5VLX110T-1EF1136I	XQ5VSX50T-2EF665I
XQ5VFX100T-2EF1136I4195	XQ5VLX110T-2EF1136I	XQ5VSX95T-1EF1136I
XQ5VFX100T-2EF1738I	XQ5VLX155T-1EF1136I	XQ5VSX95T-2EF1136I
XQ5VFX130T-1EF1738I	XQ5VLX155T-2EF1136I	XQ5VLX30T-DIE4058
XQ5VFX130T-1EF1738I4156	XQ5VLX220T-1EF1738I	XQ5VSX50T-DIE4058
XQ5VFX130T-2EF1738I	XQ5VLX220T-2EF1738I	XQ5VFX130T-DIE4058
XQ5VFX200T-1FF1738I	XQ5VLX30T-1FF323I	XQ5VFX200T-DIE4058
XQ5VFX200T-1FF1738I4195	XQ5VLX30T-2FF323I	XQ5VLX220T-DIE4058
XQ5VFX70T-1EF1136I	XQ5VLX330T-1EF1738I	
XQ5VFX70T-1EF1136M	XQ5VLX330T-1EF1738I4089	
XQ5VFX70T-1EF665I	XQ5VLX85-1EF676I	
XQ5VFX70T-2EF1136I	XQ5VLX85-1EF676IES	
XQ5VFX70T-2EF665I	XQ5VLX85-2EF676I	
XQ5VLX110-1EF1153I	XQ5VLX85-2EF676I4619	

Table 4: Virtex-6 FPGAs XQ Products Family Affected

Xilinx Part Number	Xilinx Part Number	Xilinx Part Number
XQ6VLX130T-1FFG1156I	XQ6VLX240T-1RF1759M	XQ6VSX315T-1RF1156M
XQ6VLX130T-1RF1156I	XQ6VLX240T-1RF784I	XQ6VSX315T-1RF1759I
XQ6VLX130T-1RF1156M	XQ6VLX240T-1RF784M	XQ6VSX315T-1RF1759M
XQ6VLX130T-1RF784I	XQ6VLX240T-2FFG1156I	XQ6VSX315T-2FFG1156I
XQ6VLX130T-1RF784M	XQ6VLX240T-2RF1156I	XQ6VSX315T-2RF1156I
XQ6VLX130T-2FFG1156I	XQ6VLX240T-2RF1759I	XQ6VSX315T-2RF1759I
XQ6VLX130T-2RF1156I	XQ6VLX240T-2RF784I	XQ6VSX315T-L1FFG1156I
XQ6VLX130T-2RF784I	XQ6VLX240T-L1FFG1156I	XQ6VSX315T-L1RF1156I
XQ6VLX130T-L1FFG1156I	XQ6VLX240T-L1RF1156I	XQ6VSX315T-L1RF1759I
XQ6VLX130T-L1RF1156I	XQ6VLX240T-L1RF1759I	XQ6VSX475T-1FFG1156I
XQ6VLX130T-L1RF784I	XQ6VLX240T-L1RF784I	XQ6VSX475T-1RF1156I
XQ6VLX240T-1FFG1156I	XQ6VLX550T-1RF1759I	XQ6VSX475T-1RF1759I
XQ6VLX240T-1RF1156I	XQ6VLX550T-L1RF1759I	XQ6VSX475T-L1FFG1156I
XQ6VLX240T-1RF1156M	XQ6VSX315T-1FFG1156I	XQ6VSX475T-L1RF1156I
XQ6VLX240T-1RF1759I	XQ6VSX315T-1RF1156I	XQ6VSX475T-L1RF1759I
XQ6VLX130T-DIE4058		

Key Dates and Ordering Information

Xilinx will begin cut-over to new SPIL bump factory on date code 1829.

Qualification Data

Qualification was completed successfully. Data can be provided upon request.

Response

No response is required.

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Revision History

The following table shows the revision history for this document:

Date	Version	Description of Revisions
7/16/2018	1.0	Initial release

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