Additional Test Site for Xilinx Automotive (XA) Spartan-3/-3E/-3A/-3A DSP devices

XCN10001 (v1.0) March 1, 2010 **Product Change Notice**

Overview

The purpose of this notification is to add Amkor Technology Philippines “ATP”, as an additional test site for Xilinx Automotive (XA) Spartan®-3/-3E/-3A/-3A DSP devices. There is no change to the form, fit, or function.

Description

Xilinx supply chain model has always qualified more than one test site for supply continuity. Xilinx has qualified SPIL and Amkor to correlate to Xilinx test facilities for final electrical testing. This notification is to inform you that Xilinx plans to ship production material for all XA Spartan-3/-3E/-3A/-3A DSP devices from SPIL-Taiwan, Amkor Philippines (ATP) and Xilinx Singapore (XAP). SPIL and ATP will be the primary test sites. Xilinx “XAP” will be used, as required. All 3 locations use the same ATE platforms for each specific product family. They all have been qualified for high-volume commercial devices (XC), as well as for the automotive (XA) product families.

There is no change to the form, fit, or function. There is no change to the tester platform or program associated with this notification. All three sites are using the same tester platform, test program and process.

Products Affected

This change affects all XA Spartan-3/-3E/-3A/-3A DSP (I Grade and Q Grade) devices including all versions under specification control documentation (SCD) reference.

Table 1: **Xilinx Automotive Spartan-3 FPGA Affected Devices**

Density	Xilinx Part Number
XA3S50	XA3S50-4VQG100I
	XA3S50-4VQG100Q
	XA3S50-4PQG208I
	XA3S50-4PQG208Q
XA3S200	XA3S200-4VQG100I
	XA3S200-4VQG100Q
	XA3S200-4TQG144I
	XA3S200-4TQG144Q
	XA3S200E-4PQG208I
	XA3S200E-4PQG208Q
	XA3S200E-4FTG256I
	XA3S200E-4FTG256Q

Density	Xilinx Part Number
XA3S400	XA3S400-4FTG256I
	XA3S400-4FTG256Q
	XA3S400-4PQG208I
	XA3S400-4PQG208Q
	XA3S400-4FGG456I
	XA3S400-4FGG456Q
XA3S1000	XA3S1000-4FTG256I
	XA3S1000-4FTG256Q
	XA3S1000-4FGG456I
	XA3S1000-4FGG456Q
XA3S1500	XA3S1500-4FGG456I
	XA3S1500-4FGG676I

Table 2: **Xilinx Automotive Spartan-3E FPGA Affected Devices**

Density	Xilinx Part Number
XA3S100E	XA3S100E-4VQG100I
	XA3S100E-4VQG100Q
	XA3S100E-4CPG132I
	XA3S100E-4CPG132Q
	XA3S100E-4TQG144I
	XA3S100E-4TQG144Q
XA3S250E	XA3S250E-4VQG100I
	XA3S250E-4VQG100Q
	XA3S250E-4CPG132I
	XA3S250E-4CPG132Q
	XA3S250E-4TQG144I
	XA3S250E-4TQG144Q
	XA3S250E-4PQG208I
	XA3S250E-4PQG208Q
	XA3S250E-4FTG256I
	XA3S250E-4FTG256Q

Density	Xilinx Part Number
XA3S500E	XA3S500E-4CPG132I
	XA3S500E-4CPG132Q
	XA3S500E-4PQG208I
	XA3S500E-4PQG208Q
	XA3S500E-4FTG256I
	XA3S500E-4FTG256Q
XA3S1200E	XA3S1200E-4FTG256I
	XA3S1200E-4FTG256Q
	XA3S1200E-4FGG400I
	XA3S1200E-4FGG400Q
XA3S1600E	XA3S1600E-4FGG400I
	XA3S1600E-4FGG400Q
	XA3S1600E-4FGG484I
	XA3S1600E-4FGG484Q

Table 3: **Xilinx Automotive Spartan-3A FPGA Affected Devices**

Density	Xilinx Part Number
XA3S200A	XA3S200A-4FTG256I
	XA3S200A-4FTG256Q
XA3S400A	XA3S400A-4FTG256I
	XA3S400A-4FTG256Q
	XA3S400A-4FGG400I
	XA3S400A-4FGG400Q

Density	Xilinx Part Number
XA3S700A	XA3S700A-4FGG400I
	XA3S700A-4FGG400Q
	XA3S700A-4FGG484I
	XA3S700A-4FGG484Q
XA3S1400A	XA3S1400A-4FGG484I
	XA3S1400A-4FGG484Q

Table 4: **Xilinx Automotive Spartan-3A DSP FPGA Affected Devices**

Density	Xilinx Part Number
XA3SD1800A	XA3SD1800A-4CSG484I
	XA3SD1800A-4CSG484Q
	XA3SD1800A-4FGG676I
	XA3SD1800A-4FGG676Q

Density	Xilinx Part Number
XA3SD3400A	XA3SD3400A-4CSG484I
	XA3SD3400A-4FGG676I

Key Dates and Ordering Information

1. Within 30 days after release of this change notification, the customer must acknowledge to Xilinx receipt of the document.
2. Additional requirements, if any, need to be identified to Xilinx within 60 days of this notification. Requirements requested after this date may not be supported.
3. Within one year after the release of this change notification, a customer approval is required.
4. Existing PPAP documentation will be revised by Xilinx and submitted to customers within 90 days of this notification.
5. PSW (Parts Submission Warrant) must be signed and returned to Xilinx upon approval of this change notice: devices will be standard orderable parts.

Traceability

There is no change to the form, fit, or function.

Qualification Data

Test Correlation data is available and provided with this notification (RPT111).

Recommendations

Please refer to the key dates and ordering section listed with this notification.

Response

A customer response is required: Please refer to the key dates and ordering section listed with this notification.

Important Notice: Xilinx Customer Notifications (XCNs, XDNs, and Quality Alerts) can be delivered via e-mail alerts sent by the MySupport website (http://www.xilinx.com/support). Register today and personalize your "MyAlerts" area to include Customer Notifications. Xilinx MySupport 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.

Additional Documentation

Qualification Report (RPT111):

https://secure.xilinx.com/webreg/clickthrough.do?cid=143382.

Revision History

The following table shows the revision history for this document:

Date	Version	Description of Revisions
03/01/10	1.0	Initial release.

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