XA Spartan-3E Automotive FPGA Data Sheet Change

Overview

The purpose of this notification is to inform Xilinx automotive customers, having production part approval process (PPAP) documentation, about changes of the Xilinx Automotive (XA) Spartan®-3E Automotive FPGA data sheet.

Description

Xilinx released v2.0 of the XA Spartan-3E Automotive FPGA Family Data Sheet (DS635). The updated version of the datasheet provides the latest updates and clarifications in regard to the technical specification of the product. A complete list of the changes is provided within the data sheet DS635 in the revision history on page 36.

Products Affected

This change affects all package and temperature variations of the Xilinx Automotive Spartan-3E FPGA devices including versions associated with a specification control document (SCD) reference. The following table provides the list of specific XA Spartan-3E standard parts:

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

Density	Xilinx Part Number	Density	Xilinx Part Number
XA3S100E	XA3S100E-4VQG100I	XA3S500E	XA3S500E-4CPG132I
	XA3S100E-4VQG100Q		XA3S500E-4CPG132Q
	XA3S100E-4CPG132I		XA3S500E-4PQG208I
	XA3S100E-4CPG132Q		XA3S500E-4PQG208Q
	XA3S100E-4TQG144I		XA3S500E-4FTG256I
	XA3S100E-4TQG144Q		XA3S500E-4FTG256Q
XA3S250E	XA3S250E-4VQG100I	XA3S1200E	XA3S1200E-4FTG256I
	XA3S250E-4VQG100Q		XA3S1200E-4FTG256Q
	XA3S250E-4CPG132I		XA3S1200E-4FGG400I
	XA3S250E-4CPG132Q		XA3S1200E-4FGG400Q
	XA3S250E-4TQG144I		
	XA3S250E-4TQG144Q	XA3S1600E	XA3S1600E-4FGG400I
	XA3S250E-4PQG208I		XA3S1600E-4FGG400Q
	XA3S250E-4PQG208Q		XA3S1600E-4FGG484I
	XA3S250E-4FTG256I		XA3S1600E-4FGG484Q
	XA3S250E-4FTG256Q		

NOTE: All Xilinx Automotive Spartan-3E FPGA versions with a SCD associated are also affected by this change.

Traceability

This documentation change applies to all Xilinx Automotive Spartan-3E FPGA products already shipped as well as to material which will be shipped going forward. The parts can be identified by starting with XA3SnnnnE, whereas nnnn equals to 100, 250, 500, 1200 and 1600.

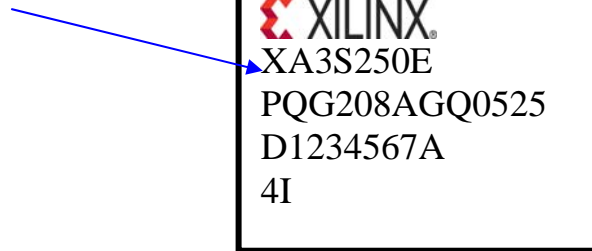Xilinx Automotive Spartan-3E Product

Figure 1: **Package Topmark Example**

Please note that figure 1 is an example and that all package and temperature versions of Xilinx Automotive Spartan-3E FPGA products are affected by this documentation change (including SCD versions).

Qualification Data

There is no additional qualification data beyond the initial RPT081 v1.0.2 available as this change notification reflects a change to the documentation only, and not to the product itself.

Recommendations

Xilinx recommends that our customers immediately review the data sheet changes to ensure that previously released products, as well as ongoing product developments, using Xilinx Automotive Spartan-3E FPGA products are not affected by this documentation change. Xilinx also recommend for customers to revise their respective PPAP and reflect the new data sheet accordingly.

Response

A customer response is required: Within 30 days after release of this change notification, the customer must acknowledge receipt of the document. Within 90 days after release of this change notification, a customer approval is required. In case the customer would like to get an updated PPAP documentation based upon the updated data sheet, that request must also be communicated to Xilinx within 90 days after release of this change 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. This change 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

XA Spartan-3E Automotive FPGA Family Data Sheet (DS635):

http://www.xilinx.com/support/documentation/data_sheets/ds635.pdf

Revision History

The following table shows the revision history for this document.

Date	Version	Revision
11/09/09	1.0	Initial release.

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