



Additional Mold Compound Qualification for Automotive BGA Packages

XCN08017 (v1.1) July 7, 2008

Product Change Notice

Overview

The purpose of this notification is to announce the qualification of an additional mold compound for selected wire bond BGA packages. There is no change to the fit, form, function, or reliability with this change.

Description

Nitto GE100 series mold compound has been qualified as a primary source for Xilinx plastic molded wirebond BGA packages for automotive markets. Xilinx will maintain its previously qualified mold compound as a second source in order to maintain supply continuity for critical markets.

Products Affected

Table 1 summarizes the Automotive devices/packages affected by this PCN, which includes all related speeds and grades.

Table 1: Affected Devices/Packages

Product Line	Devices/Packages	Xilinx Part Number	Customer Name: Customer Part Number(s)
Spartan®-IIE	XC2S100E-FTG256Q XA2S150E-FT256 XA2S200E-FT256 XA2S300E-FT256 XC2S300E-FTG256Q XC2S100E-6FTG256Q0904 XA2S100E-6FT256Q4105 XC2S300E-6FTG256Q0904 XA2S300E-6FT256Q4063		
Spartan-3	XA3S200-FTG256 XA3S400-FTG256 XA3S400-FGG456 XA3S1000-FTG256 XA3S1000-FTG456Q XA3S1000-FGG456 XA3S1500-FGG456 XA3S1500-FGG676		

Spartan-3E	XA3S100E-CPG132 XA3S250E-CPG132 XA3S250E-FTG256 XA3S250E-4FT256I4011 XA3S250E-4FT256Q4063 XA3S500E-FT(G)256 XA3S1200E-FTG256 XA3S1200E-FGG400 XA3S1600E-FGG400 XA3S1600E-FGG484 XA3S1600E-4FG400Q4063		
CoolRunner™-II	XA2C128-CPG132		

Traceability

A top mark facilitates package traceability. Parts will be shipped with the Nitto Mold compound within 6 to 12 months after customer acceptance of this notice and immediately after customer approval. Traceability will be by date code communicated upon implementation.



Figure 1: Example of Part Marking with Date Code (not actual date code)

Key Dates and Ordering Information

The new material set will begin shipping within 6 to 12 months after customer acceptance of this notice and immediately after customer approval.

Qualification Data

Qualification data can be found in the following document:
[RPT107 - Nitto GE100 Series Mold Compound Automotive Qualification Report](#)

Response

A response of acceptance is required within 30 days and approval is required within 6-12 months of this notice. For additional information or questions, please contact your local Xilinx Automotive or Sales representative.

Important Notice: Xilinx Customer Notices (PCNs, PDNs, 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 Notices. 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](#).

Automotive Warranty Disclaimer

Please refer to [Xilinx Warranty Disclaimer](#) for further details.

Revision History

The following table shows the revision history for this document.

Date	Version	Revision
06/16/08	1.0	Initial release.
07/07/08	1.1	Added the following to Table 1: <ul style="list-style-type: none">• XA2S300E-6FT256Q4063 to Spartan-IIe.• XA3S1000-FTG456Q to Spartan-3.• XA3S250E-4FT256I4011, XA3S250E-4FT256Q4063, and XA3S1600E-4FG400Q4063 to Spartan-3E.