

PROCESS CHANGE NOTIFICATION

PCN0802

ADDITIONAL TSMC WAFER FABRICATION SITE FOR CYCLONE III FPGAs

Change Description

Altera will begin manufacturing and shipping Cyclone[®] III FPGAs out of Taiwan Semiconductor Manufacturing Company (TSMC) wafer FAB 14, located in Tainan, Taiwan. This product family is currently manufactured in TSMC FAB 12.

Altera has qualified the Cyclone III FPGA family from both TSMC FAB 12 and FAB 14. The FabMatch[®] methodology, developed by Altera and TSMC, was used to ensure devices from FAB 12 and FAB 14 are identical. Altera plans to utilize FAB 14 as the primary fabrication source going forward.

Reason for Change

Altera is introducing TSMC FAB 14 as an additional wafer fabrication source to ensure product availability and to be in a better position to meet long-term customer demand.

Products Affected

Table 1 lists the products affected by this change. A list of ordering part numbers is available upon request.

Table 1. Products Scheduled to Ship from TSMC FAB 14

Product Family	Products Affected
EP3C5	All Ordering Part Numbers
EP3C10	All Ordering Part Numbers
EP3C16	All Ordering Part Numbers
EP3C25	All Ordering Part Numbers
EP3C40	All Ordering Part Numbers
EP3C55	All Ordering Part Numbers
EP3C80	All Ordering Part Numbers
EP3C120	All Ordering Part Numbers

Product Traceability and Transition Dates

Cyclone III FPGA devices manufactured at TSMC FAB 14 are marked with **A5** on the lot number. See Figure 2. Transition dates are indicated in Table 2.

Figure 2. Fabrication Site Location Marking

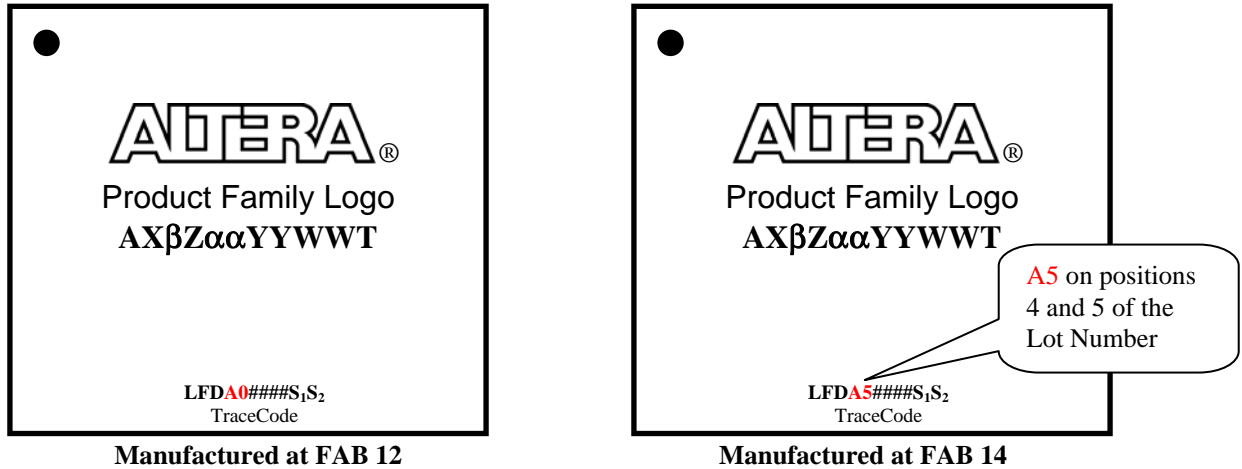


Table 2. Transition Timeframe

Product Family	Product Transition Timeframe
EP3C5	May 2008
EP3C10	May 2008
EP3C16	May 2008
EP3C25	May 2008
EP3C40	May 2008
EP3C55	May 2008
EP3C80	May 2008
EP3C120	May 2008

Qualification Data

TSMC's FAB 14 fabrication site was qualified using the FabMatch methodology developed by Altera and TSMC. The FabMatch methodology has been developed to ensure that a process technology is duplicated between facilities. The FabMatch approach compares the process, reliability and device performance data on products from two separate facilities to demonstrate that the process technology is duplicated, arriving at a product which has identical electrical and product performance characteristics.

The FabMatch report is scheduled for mid Q1 2008 and will be available upon request.

Contact

For more information, please contact your local Altera sales representative or Altera Customer Quality Engineering at customer-quality@altera.com.

In accordance with JESD46-C, this change is deemed acceptable to the customer if no acknowledgement is received within 30 days from this notification.

Revision History

Date	Rev	Description
02/05/2008	1.0.0	Initial Release