



## PRODUCT CHANGE NOTIFICATION

### EPF10K50V, EPF10K10A, EPF10K30A, AND EPF10K100A DEVICES

#### Overview

The EPF10K50V, EPF10K10A, EPF10K30A, and EPF10K100A devices are being moved to a 0.3-micron process. This process is a linear shrink of the existing 0.35-micron process. The new die will be pin-, function-, timing-, and programming file-compatible with existing die revisions. This notification addresses Altera's intent to migrate 0.3-micron die into the EPF10K50V, EPF10K10A, EPF10K30A, and EPF10K100A devices that currently use 0.35-micron critical-dimension die.

#### Implementation

Altera will begin die substitution for all EPF10K50V ordering codes on December 1, 1998\*. The EPF10K100A will follow on February 1. After these dates, Altera may use either existing die or 0.3-micron die for all EPF10K50V and EPF10K100A ordering codes.

The 0.3-micron process may be distinguished by the second ( $\beta$ ), fourth and fifth ( $\alpha\alpha$ ) digit characters of the Altera lot number, which is marked on the back side of the device, or by the characters preceding the Altera date code, which is marked on the top of the device.

The EPF10K10A and EPF10K30A will begin die substitution in Q2 1999.

Lot Number	Topside Date Code
L $\beta$ Z $\alpha\alpha$ #####	X $\beta$ Z $\alpha\alpha$ YYWW

Device	$\beta$	$\alpha\alpha$	Lot Number Example	Date Code Example
EPF10K50V	D	46	<u>NDA</u> <u>46</u> 1234	<u>ADA</u> <u>46</u> YYWW
EPF10K100A	D	51	<u>NDA</u> <u>51</u> 1234	<u>ADA</u> <u>51</u> YYWW

If you need additional information regarding the changes described in this document, please contact your local Altera sales representative. Initial Reliability qualification data will be available September 15, 1998.

\* Qualifications reports will be made available upon request. Please contact Altera's Customer Quality Manager at (408) 544-7563 for more details.