



## PROCESS CHANGE NOTIFICATION EP20K400 DEVICE PROCESS MIGRATION

Altera's EP20K400 devices will be manufactured on a 0.22-micron process at TSMC, Taiwan. This process is a linear shrink of the existing 0.25-micron process, using the same equipment and process flow. These devices will be pin-, function-, timing-, and programming file-compatible with existing 0.25-micron versions of the EP20K400 products.

Altera will begin the transition to the 0.22-micron process for all EP20K400 ordering codes on July 24, 2000. After July 24, 2000, customers may receive devices from either the 0.22-micron or 0.25-micron process.

Devices produced on the 0.22-micron process can be distinguished by the third ( $\beta$ ), fifth and sixth ( $\alpha\alpha$ ) characters of the Altera date code which is marked on the top side of the device and the bar code labels on the packing boxes.

Topside Date Code			
A X $\beta$ Z $\alpha\alpha$ YYWWT			
Device	$\beta$	$\alpha\alpha$	Date Code Example
EP20K400	C	57	A X <b>Cz57</b> YYWWT

For additional information regarding the changes described in this document, contact your local Altera sales representative. Initial qualification and characterization data will be available on April 24, 2000. Contact Altera's Customer Quality Engineering Manager at (408) 544-7563 for more details.