



## PROCESS CHANGE NOTIFICATION MAX 7000AE DEVICE PROCESS TRANSITION

Altera's MAX 7000AE devices will be transitioned to a 0.30-micron quad metal layer process at TSMC, Taiwan. This process is a linear shrink of the existing 0.35-micron quad metal layer process using the same equipment and process flow. These devices will be pin-, function-, timing-, and programming file-compatible with existing 0.35-micron versions of the MAX 7000AE devices.

Altera will begin the transition to the 0.30-micron quad metal layer process for all MAX 7000AE ordering codes on or after March 20, 2001. After this date, customers may receive devices from either the 0.35-micron or 0.30-micron quad metal layer processes.

Devices produced on the 0.30-micron quad metal layer 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 bar code labels on the packing boxes.

Topside Date Code	
A X $\beta$ Z $\alpha\alpha$ YYWWT	

Device	$\beta$	$\alpha\alpha$	Date Code Example
EPM7032AE	B	77	A X <u>Bz77</u> YYWWT
EPM7064AE	B	77	A X <u>Bz77</u> YYWWT
EPM7128AE	B	77	A X <u>Bz77</u> YYWWT
EPM7256AE	B	77	A X <u>Bz77</u> YYWWT
EPM7512AE	B	77	A X <u>Bz77</u> 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 December 20, 2000. Contact Altera's Customer Quality Engineering Manager at (408) 544-7563 for more details.