



PROCESS CHANGE NOTIFICATION MAX 3000A DEVICE PROCESS TRANSITION

Altera's MAX 3000A 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 3000A devices.

Altera will begin the transition to the 0.30-micron quad metal layer process for all MAX 3000A 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 (β), 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 β Z $\alpha\alpha$ YYWWT	

Device	β	$\alpha\alpha$	Date Code Example
EPM3032A	B	77	A X B z77YYWWT
EPM3064A	B	77	A X B z77YYWWT
EPM3128A	B	77	A X B z77YYWWT
EPM3256A	B	77	A X B z77YYWWT

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.