



## CUSTOMER ADVISORY

### EPM7032, EPM7160E, EPM9320, and EPM9560 Transition Schedule Update

In February 1997, Altera announced in PCN9703 the intent to begin shipping devices fabricated on the TSMC and Sharp 0.50-micron process technology along with already existing process technologies, for the MAX 7000 and MAX 9000 families. This change improves Altera's ability to support the increasing demand for these products families. An updated schedule for the transition to the 0.50-micron process is shown below:

Device	Transition Date**
EPM7032	August 1, 1998
EPM7160E	October 1, 1998
EPM9320	September 1, 1998
EPM9560	September 1, 1998

The 0.50-micron process may be distinguished by the second ( $\beta$ ), fourth, and fifth ( $\alpha\alpha$ ) digits of the Altera lot number, which is marked on the backside of the device, or by the characters preceding the Altera date code\*, which is marked on the top of the device.

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

Device	$\beta$	$\alpha\alpha$	Lot Number Examples	Date Code Example
EPM7032	F	32 or 33	NFA <b>32</b> 1234 NFA <b>33</b> 1234	AFA <b>32</b> YYWW AFA <b>33</b> YYWW
EPM7160E	D	17 or 24	NDA <b>17</b> 1234 NDA <b>24</b> 1234	ADA <b>17</b> YYWW ADA <b>24</b> YYWW
EPM9320	C	17 or 24	NCA <b>17</b> 1234 NCA <b>24</b> 1234	ACA <b>17</b> YYWW ACA <b>24</b> YYWW
EPM9560	C	17 or 24	NCA <b>17</b> 1234 NCA <b>24</b> 1234	ACA <b>17</b> YYWW ACA <b>24</b> YYWW

If you have any questions on this update, please contact your local Altera sales representative.

\* Qualifications reports are available upon request. Please contact Altera's Customer Quality Manager at (544) 894-7563 for more details.

\*\*This marking applies only to 9-character date codes and lot number changes, as announced in ADV9707.