



## CUSTOMER ADVISORY ADV0306

### INTRODUCTION OF DUAL MARKING ON MAX 3000A DEVICES

#### Change Description:

Effective July 28, 2003, Altera will transition from a single mark to a dual mark on its MAX® 3000A products.

Figure 1 is an example of the new mark that will be used on packages with pin counts of less than 100. Figure 2 is an example of the new mark that will be used on packages with pin counts of 100 or more. Figure 3 is an example of the old mark that appears on the devices that we currently ship to you with pin counts of 100 or more.



Figure 1: New Mark < 100 Pins

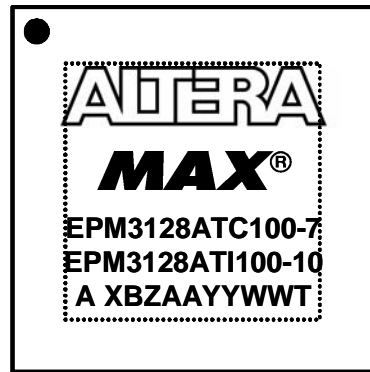


Figure 2: New Mark 100 or More Pins

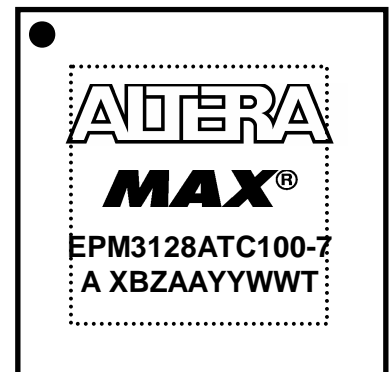


Figure 3: Old Mark

The new mark will appear on chip packages that are currently shipped as -7ns commercial grade product. Altera will be marking these devices with the standard Altera® logo, Altera P/N, and date code.

**Reason for Change:**

Altera is expanding its MAX 3000A product family to support the industrial temperature grade. Dual marking will enable Altera to provide an industrial grade device for every qualified -7ns commercial grade device currently shipping in production.

**Products Affected:**

All EPM3032A, EPM3064A, EPM3128A, EPM3256A & EPM3512A products currently shipped as -7ns commercial grade product will be dual marked with -10ns industrial grade.

**Product Traceability and Transition Dates:**

Altera plans to introduce the new dual mark on its MAX 3000A products on July 28, 2003. After this date, customers may receive either single marked or dual marked devices.

**Contact:**

For more information, please contact your local Altera sales representative.