



## Conversion of Spartan-IIE -7C and -6I Devices to Dual Marked -7C/-6I Devices

PCN2004-11 (v1.1) August 31, 2004

Product/Process Change Notice

### Overview

Dual marking is being introduced for "-7C" and "-6I" Spartan-IIE devices, whereby these products will now have a "-7C/-6I" marking.

### Description

Two standard markings will exist for all Spartan-IIE family members: "-6C" and the dual marked "-7C/6I".

The product attributes that are required for the faster -7C speed grade and the -6I extended temperature range are very similar. It makes sense, therefore, to test devices in such a way as to guarantee compliance with both -7C and -6I specifications. Dual-marked devices meet both -7C and -6I specifications and will be used to fill orders for either attribute. Customers will continue to stipulate -7C or -6I when ordering product. There are no new -7C/-6I part numbers.

The dual marking allows a decrease in the number of items within Xilinx and Distributor inventories, and it also allows for a manufacturing economy of scale improvement.

While dual marking has no impact on customers' ordering and inventory systems, it will help improve inventory flexibility and result in higher service levels for customers.

### Products Affected

XC2S50E-6FT256I	XC2S100E-7FGG456C	XC2S200E-6FT256I	XC2S300E-7PQG208C
XC2S50E-6FTG256I	XC2S100E-7FT256C	XC2S200E-6FTG256I	XC2S400E-6FG456I
XC2S50E-6PQ208I	XC2S100E-7FTG256C	XC2S200E-6PQ208I	XC2S400E-6FG676I
XC2S50E-6PQG208I	XC2S100E-7PQ208C	XC2S200E-6PQG208I	XC2S400E-6FGG456I
XC2S50E-6TQ144I	XC2S100E-7PQG208C	XC2S200E-7FG456C	XC2S400E-6FGG676I
XC2S50E-6TQG144I	XC2S100E-7TQ144C	XC2S200E-7FGG456C	XC2S400E-6FT256I
XC2S50E-7FT256C	XC2S100E-7TQG144C	XC2S200E-7FT256C	XC2S400E-6FTG256I
XC2S50E-7FTG256C	XC2S150E-6FG456I	XC2S200E-7FTG256C	XC2S400E-7FG456C
XC2S50E-7PQ208C	XC2S150E-6FGG456I	XC2S200E-7PQ208C	XC2S400E-7FG676C
XC2S50E-7PQG208C	XC2S150E-6FT256I	XC2S200E-7PQG208C	XC2S400E-7FGG456C
XC2S50E-7TQ144C	XC2S150E-6FTG256I	XC2S300E-6FG456I	XC2S400E-7FGG676C
XC2S50E-7TQG144C	XC2S150E-6PQ208I	XC2S300E-6FGG456I	XC2S400E-7FT256C
XC2S100E-6FG456I	XC2S150E-6PQG208I	XC2S300E-6FT256I	XC2S400E-7FTG256C
XC2S100E-6FGG456I	XC2S150E-7FG456C	XC2S300E-6FTG256I	XC2S600E-6FG456I
XC2S100E-6FT256I	XC2S150E-7FGG456C	XC2S300E-6PQ208I	XC2S600E-6FG676I
XC2S100E-6FTG256I	XC2S150E-7FT256C	XC2S300E-6PQG208I	XC2S600E-6FGG456I
XC2S100E-6PQ208I	XC2S150E-7FTG256C	XC2S300E-7FG456C	XC2S600E-6FGG676I
XC2S100E-6PQG208I	XC2S150E-7PQ208C	XC2S300E-7FGG456C	XC2S600E-7FG456C
XC2S100E-6TQ144I	XC2S150E-7PQG208C	XC2S300E-7FT256C	XC2S600E-7FG676C

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XC2S100E-6TQG144I	XC2S200E-6FG456I	XC2S300E-7FTG256C	XC2S600E-7FGG456C
XC2S100E-7FG456C	XC2S200E-6FGG456I	XC2S300E-7PQ208C	XC2S600E-7FGG676C

## Traceability

The package topmark will reflect the dual mark. However, shipping labels and customer references will be unaffected. Figure 1 provides an example of the current top marking, and Figure 2 shows the new dual marking.



Figure 1 – Current Marking



Figure 2 – New Dual Marking

## Key Dates

Xilinx will begin shipping dual marked Spartan-IIIE product in the November timeframe. Once dual marking begins, customers may receive single marked, dual marked or a mixture of single and dual marked product for Spartan-IIIE -7C and -6I orders.

## Response

No response is required to this PCN. For additional information or questions, please contact [Xilinx Technical Support](#).

**Important Notice:** Xilinx Customer Notifications (PCN, PDN, and Quality Alerts) can be delivered via e-mail alerts sent by the MySupport website (<http://www.xilinx.com/support>). Register today and personalize your "MyAlerts" to include Customer Notifications. This change provides many benefits, including the ability to receive alerts for new and updated information about specific products, as well as alerts for other publications such as data sheets, errata, application notes, and so forth. For instructions on how to sign up, refer to [Xilinx Answer Record 18683](#).

## Revision History

The following table shows the revision history for this document.

Date	Version	Revision
8/9/04	1.0	Initial release
8/31/04	1.1	Modify Figure 1 and Figure 2 to reference XC2S100E instead of XC2S100.