Addition of Kostat Shipping Tray for CS144/CSG144 and CS280/CSG280 Laminate BGA Packages

FYI - For Your Information

Overview

The purpose of this notice is to communicate the addition of two new shipping trays for CS144/CSG144 and CS280/CSG280 Laminate BGA packages.

Description

Xilinx is adding shipping trays produced by Kostat, Inc. for the new CS144/CSG144 and CS280/CSG280 Laminate packages.

The new Kostat tray matrices are designed to be compatible with both Laminate and Flex BGA packages. However, Laminate BGA packages are not compatible with Daewon trays (currently in use).
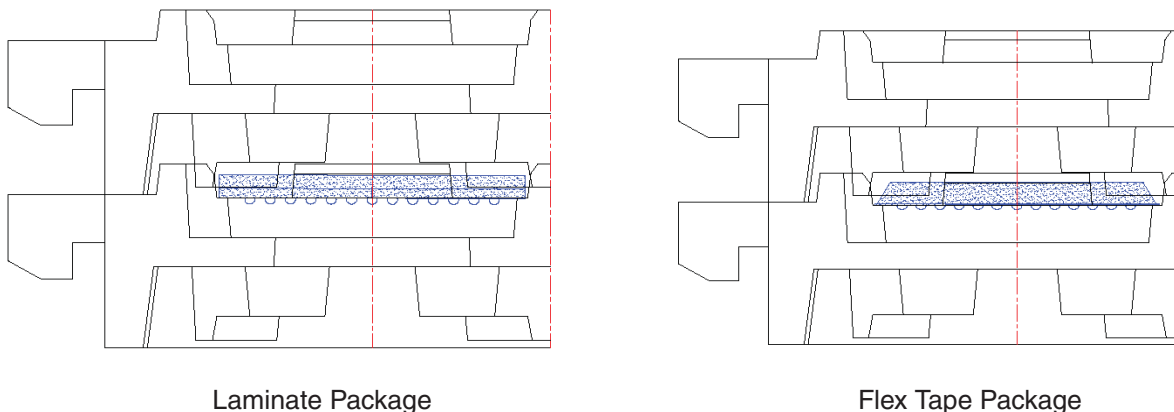
Additional points:

- Kostat trays are keyed to prevent stacking with Daewon trays and must be handled separately.
- Xilinx recommends using Kostat trays for all partial tray orders.
- Any single tray shipments combining both Laminate and Flex BGA packages must use Kostat trays.

Please reference Table 1 for clarification:

Table 1: **Daewon and Kostat Trays**

Tray Description	Change From: Daewon	Change To: Kostat
	Daewon Tray Part Number	Kostat Tray Part Number
12x12mm (198 pockets) for CS144/CSG144	12B-1212-D13 Rev B	KS-880230 Rev 01
16x16mm (119 pockets) for CS280/CSG280	12B-1616-C13 Rev A	KS-880231 Rev 01

Figure 1 depicts both Laminate and Flex Tape BGAs seated in new Kostat trays.

Laminate Package

Flex Tape Package

Figure 1: **Laminate and Flex Tape BGAs in New Kostat Trays**

Products Affected

Table 2 lists the devices and packages affected by this notice.

Table 2: **Products Affected**

Device	Package	Device	Package
XC2V40	CS144/CSG144	XC2S30	CS144/CSG144
XC2V80	CS144/CSG144	XC95144XL	CS144/CSG144
XC2V250	CS144/CSG144	XC95288XL	CS280/CSG280
XCV50	CS144	XC95144XV	CS144
XCV100	CS144	XC95288XV	CS280/CSG280
XCV50E	CS144	XCR3128XL	CS144/CSG144
XCV100E	CS144	XCR3256XL	CS280/CSG280
XCV200E	CS144		

Key Dates and Ordering Information

Xilinx will begin using the new shipping trays starting May 15, 2006.

Response

No response is required. For additional information or questions, please contact Xilinx Technical Support.

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Revision History

The following table shows the revision history for this document.

Date	Version	Revision
5/15/06	1.0	Initial Xilinx release.
5/17/06	1.1	In Table 1, corrected typo in CS144/CSG144 Tray Description (12x12mm), and revised the Kostat Tray Part Number (Rev 01).