



# Hermetic Package Assembly Location Change for Defense- grade PROM and Virtex SMD Products

XCN16002 (v1.0) November 21, 2016

Product Change Notice

## Overview

The purpose of this notification is to communicate that Xilinx is transitioning the Defense-grade PROM CC44 and Virtex® SMD CB228 products to an alternate Xilinx qualified assembly supplier. As a result of this transition, Xilinx is replacing the current Defense-grade PROM 44L Cerquad Package (CC44) product with a fully compatible 44L Cerquad Package (CK44). The CK44 and the Defense-grade Virtex FPGA's and associated SMD CB228 hermetic packages will be fully qualified at the alternate supplier.

## Description

Xilinx is transitioning the CC44 and CB228 hermetic packages to Kyocera America, a Xilinx qualified assembly supplier to ensure supply continuity per [Table 1](#).

Table 1: Affected Packages and Assembly Sites

	Current	New
Assembly Site	Amkor Philippines	Kyocera America
Package Codes Affected	CC44	CK44
	CB228	CB228

For supply standardization and continuity, the 44L Cerquad (CC44) package BOM will change. The package code will be changed from CC44 to CK44 for customer traceability. There is no change to the form, function and reliability of the CK44 package compared to the CC44 package. The CB228 assembled at Kyocera will have no change in the package BOM and no change to the fit, form, function or reliability. [Table 2](#) summarizes the BOM changes:

Table 2: BOM Changes

Assembly BOM	Current CC44 Package	New CK44 Package	CB228 Package
Die Attach	Silver Glass	JMI 7000 Silver Epoxy	No change
Wire Bond	Al Wedge	Au Ball Bond	No change
Lid	Ceramic with KC-800 Glass	Kovar Au plated Solder Preform Combo Lid	No change
Package Substrate	Ceramic Substrate with solder dipped J bend	Ceramic Substrate with gold plated J bend	No change
Overall Package Height	Per OCQ0013 Package Outline Drawing	Will be thinner per OCQ0014 Package Outline Drawing	No change

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## Products Affected

The products affected by this change are included in [Table 3](#) and [Table 4](#).

**Table 3: PROM Product Affected**

Xilinx Part Number	Replacement Part
XQ17V16CC44M	XQ17V16CK44M
XQR17V16CC44M	XQR17V16CK44M
XQR17V16CC44V	XQR17V16CK44V

**Table 4: Virtex and SMD Product Affected**

Xilinx Part Number	Xilinx Part Number	Xilinx Part Number	Xilinx Part Number
XQR4062XL-3CB228M	XQV600-4CB228M0983	5962-9957201QZC	5962R9957201QZC
XQV100-4CB228M	XQVR300-4CB228B	5962-9957301QYC	5962R9957301QYC
XQV300-4CB228M	XQVR300-4CB228M	5962-9957301QZC	5962R9957301QZC
XQV300-4CB228M0983	XQVR600-4CB228M	5962H9957202QZC	
XQV600-4CB228M	5962-9957201QYC	5962R9957201QYC	

## Key Dates and Ordering Information

Xilinx will begin shipping Kyocera assembled CB228 and CK44 products with date code of 1709 or newer.

Xilinx is also building a buffer supply of the current CC44 and CB228 products. For customers who need to stock the CC44, Xilinx is offering a last time buy opportunity for all products listed in [Table 3](#) per [XCN16026](#).

Final Last Time Buy (LTB) orders are accepted until April 25, 2017.

All orders will be Non-Cancellable, Non-Returnable (NCNR).

Final Last Time Shipment (LTS) must occur on or before October 31, 2107.

RMAs for replacement devices will be accepted per standard warranty Terms & Conditions, however the replacement devices may be replaced with the new CK44 Part Numbers shown in Table 3.

## Qualification Plan

Xilinx has successfully passed and completed the package qualification on the CB228 and CK44. The qualification data is available upon request.

## Response

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

**Important Notice:** Xilinx Customer Notifications (XCNs, XDNs, and Quality Alerts) can be delivered via e-mail alerts sent by the Support website (<http://www.xilinx.com/support>). Register today and personalize your “Documentation and Design Advisory Alerts” area to include Customer Notifications. Xilinx Support 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, etc. For information on how to sign up, refer to Answer Record 18683: <http://www.xilinx.com/support/answers/18683.htm>.

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## Revision History

The following table shows the revision history for this document:

Date	Version	Description of Revisions
11/21/2016	1.0	Initial release.

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