



Platform Flash PROM VOG48 Conversion to NiPdAu External Lead Finish

XCN09026 (v1.1) August 30, 2010

Product Change Notice

Overview

The purpose of this notification is to announce that the external leadframe plating finish on Xilinx Platform Flash PROM VOG48 lead products will convert from Matte Tin plating to Nickel Palladium Gold (NiPdAu) lead finish. In addition, the die attach and mold compound material will change.

Description

Xilinx Platform Flash PROM VOG48 product's external leads are currently electroplated with 100% matte Tin. Xilinx's assembly supplier has converted 100% of their leadframe based packages to a NiPdAu lead finish using a pre-plated leadframe. To ensure supply continuity for customers, Xilinx is converting the Platform Flash PROM VOG48 products to the NiPdAu lead finish. In addition, the die attach and mold compound material have been changed per below [Table 1](#).

Table 1: Change in Bill of Materials

	External Lead Finish	Die Attach	Mold Compound
Current VOG 48	Matte Tin	QMI509	KE-3300D
VOG 48 with NiPdAu plating	NiPdAu	QMI519	KE-G3000RH

There will be no change to the fit, form, function or MSL rating with this change. In addition, this change is backward compatible. This means the VOG48 with NiPdAu lead finish can be soldered to the board using either Lead Free soldering alloys or Tin Lead soldering alloy and either a Lead Free or Tin Lead soldering reflow profile.

Products Affected

This change affects all speed, package, and temperature variations of commercial (C) and military (M) grade devices. Affected part numbers are included in the [Table 2](#).

Table 2: Platform Flash PROM Product Affected

Part Number
XCF08P-VOG48C
XCF16P-VOG48C
XCF32P-VOG48C
XCF08P-VOG48C0936
XCF16P-VOG48C0936
XCF32P-VOG48C0936
XCF32P-VOG48M (new part)

Key Dates and Ordering Information

Xilinx will begin to cross-ship production using the NiPdAu external lead finish on or after July 19, 2010. Product with date code on or after 1030 will have NiPdAu external lead finish.

© Copyright 2009-2010 Xilinx, Inc. XILINX, the Xilinx logo, Virtex, Spartan, ISE, and other designated brands included herein are trademarks of Xilinx in the United States and other countries. All other trademarks are the property of their respective owners.

Qualification Data

Table 3: Qualification plan and schedule

Qualification Testing	Qualification Results	Qualification Report
Temperature Cycle, HTSL, HAST, Solder ability, Board Level Reliability and Group D	Pass with no failures	RPT147

Material Declaration Data Sheet:

Material Declaration Data Sheets can be found at:

http://www.xilinx.com/support/documentation/package_specifications.htm.

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 [Xilinx Answer Record 18683](#).

Additional Documentation

Qualification Report (RPT147):

<https://secure.xilinx.com/webreg/clickthrough.do?cid=146453>.

Revision History

The following table shows the revision history for this document.

Date	Version	Revision
05/17/10	1.0	Initial release.
08/30/10	1.1	Revised to change the cross-ship date to “on or after July 19, 2010” (from “on or after August 9, 2010”) and date code to “on or after 1030” (from “on or after 1033”). Also removed the “90 days of the PCN date”.

Notice of Disclaimer

THE XILINX HARDWARE FPGA AND CPLD DEVICES REFERRED TO HEREIN (“PRODUCTS”) ARE SUBJECT TO THE TERMS AND CONDITIONS OF THE XILINX LIMITED WARRANTY WHICH CAN BE VIEWED AT <http://www.xilinx.com/warranty.htm>. THIS LIMITED WARRANTY DOES NOT EXTEND TO ANY USE OF PRODUCTS IN AN APPLICATION OR ENVIRONMENT THAT IS NOT WITHIN THE SPECIFICATIONS STATED ON THE XILINX DATA SHEET. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. PRODUCTS ARE NOT DESIGNED OR INTENDED TO BE FAIL-SAFE, OR FOR USE IN ANY APPLICATION REQUIRING FAIL-SAFE PERFORMANCE, SUCH AS LIFESUPPORT OR SAFETY DEVICES OR SYSTEMS, OR ANY OTHER APPLICATION THAT INVOKES THE POTENTIAL RISKS OF DEATH, PERSONAL INJURY OR PROPERTY OR ENVIRONMENTAL DAMAGE (“CRITICAL APPLICATIONS”). USE OF PRODUCTS IN CRITICAL APPLICATIONS IS AT THE SOLE RISK OF CUSTOMER, SUBJECT TO APPLICABLE LAWS AND REGULATIONS. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.