



Discontinue Low-Volume Members of the XC4000XL, XC4000XLA, and XC4000E Product Families

PDN2004-21 (v1.1) November 15, 2004

Product Discontinuation Notice

Overview

Xilinx is discontinuing certain low-volume device package-pin combinations of the XC4000E™, XC4000XL™, and XC4000XLA™ product families. This applies to commercial and industrial (C-grade and I-grade) products only. Military products are not affected.

Description

These device package combinations have declined in customer usage to the point where continued manufacturing is becoming no longer economical. Please note that a Pb-free version will not be provided for discontinued part numbers.

Direct replacement devices are listed in the tables below. Although some discontinued part numbers do not have direct replacements, there are indirect device/package-pin combinations available as alternatives. Please contact your [Xilinx Sales Representative](#) for help with replacement devices.

Products Affected

Refer to the tables below for the discontinued part numbers.

Key Dates

Final orders are accepted until August 23, 2005

Final deliveries must occur on or before February 23, 2006.

XC4000XL Discontinuation Summary

Four packages and three devices in the XC4000XL family are being removed entirely.

- Packages: HQ304, HQ160, HT176, and PC84
- Devices: XC4036XL, XC4052XL, and XC4085XL

In addition to the above packages and devices, the following device-package combinations are being discontinued:

- XC4005XL-PQ100
- XC4010XL-PQ160
- XC4020XL-PQ240
- XC4028XL-BG256

Not all recommended replacements identified in the far right column are drop-in replacements for the discontinued part numbers. In these cases, a redesign of the customer's board may be required. Customers may need to have the original design tools in order to support the re-design. Please note, the XC4000XLA family is a drop-in replacement where available for the XC4000XL family. Product with drop-in capability is identified with an *asterisk in the recommended replacement column. Because of the maturity of the product,

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recommended replacements provide only a short term solution and there is no commitment for end of life expectancy. For long term solutions, please consider re-designing into the Spartan product family.

| XC4000XL Family Member | Discontinued Part Number | Recommended Replacement |
|-------------------------------|---------------------------------|--------------------------------|
| XC4005XL-PC84 | XC4005XL-09PC84C | |
| | XC4005XL-1PC84C | |
| | XC4005XL-2PC84C | |
| | XC4005XL-3PC84C | |
| | XC4005XL-1PC84I | |
| | XC4005XL-2PC84I | |
| | XC4005XL-3PC84I | |
| XC4005XL-PQ100 | XC4005XL-09PQ100C | XC4010XL-09PQ100C |
| | XC4005XL-1PQ100C | XC4010XL-1PQ100C |
| | XC4005XL-2PQ100C | XC4010XL-2PQ100C |
| | XC4005XL-3PQ100C | XC4010XL-3PQ100C |
| | XC4005XL-1PQ100I | XC4010XL-1PQ100I |
| | XC4005XL-2PQ100I | XC4010XL-2PQ100I |
| | XC4005XL-3PQ100I | XC4010XL-3PQ100I |
| XC4010XL-PC84 | XC4010XL-09PC84C | |
| | XC4010XL-1PC84C | |
| | XC4010XL-2PC84C | |
| | XC4010XL-3PC84C | |
| | XC4010XL-1PC84I | |
| | XC4010XL-2PC84I | |
| | XC4010XL-3PC84I | |
| XC4010XL-PQ160 | XC4010XL-09PQ160C | XC4013XL-09PQ160C |
| | XC4010XL-1PQ160C | XC4013XL-1PQ160C |
| | XC4010XL-2PQ160C | XC4013XL-2PQ160C |
| | XC4010XL-3PQ160C | XC4013XL-3PQ160C |
| | XC4010XL-1PQ160I | XC4013XL-1PQ160I |
| | XC4010XL-2PQ160I | XC4013XL-2PQ160I |
| | XC4010XL-3PQ160I | XC4013XL-3PQ160I |
| XC4013XL-HT176 | XC4013XL-09HT176C | |
| | XC4013XL-1HT176C | |
| | XC4013XL-2HT176C | |
| | XC4013XL-3HT176C | |
| | XC4013XL-1HT176I | |
| | XC4013XL-2HT176I | |
| | XC4013XL-3HT176I | |
| XC4020XL-HT176 | XC4020XL-09HT176C | |
| | XC4020XL-1HT176C | |
| | XC4020XL-2HT176C | |
| | XC4020XL-3HT176C | |
| | XC4020XL-1HT176I | |
| | XC4020XL-2HT176I | |
| | XC4020XL-3HT176I | |

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| XC4000XL Family Member | Discontinued Part Number | Recommended Replacement |
|-------------------------------|---------------------------------|--------------------------------|
| XC4020XL-PQ240 | XC4020XL-09PQ240C | *XC4020XLA-09PQ240C |
| | XC4020XL-1PQ240C | *XC4020XLA-09PQ240C |
| | XC4020XL-2PQ240C | *XC4020XLA-09PQ240C |
| | XC4020XL-3PQ240C | *XC4020XLA-09PQ240C |
| | XC4020XL-1PQ240I | *XC4020XLA-09PQ240I |
| | XC4020XL-2PQ240I | *XC4020XLA-09PQ240I |
| | XC4020XL-3PQ240I | *XC4020XLA-09PQ240I |
| XC4028XL-BG256 | XC4028XL-09BG256C | *XC4028XLA-09BG256C |
| | XC4028XL-1BG256C | *XC4028XLA-09BG256C |
| | XC4028XL-2BG256C | *XC4028XLA-09BG256C |
| | XC4028XL-3BG256C | *XC4028XLA-09BG256C |
| | XC4028XL-1BG256I | *XC4028XLA-09BG256I |
| | XC4028XL-2BG256I | *XC4028XLA-09BG256I |
| | XC4028XL-3BG256I | *XC4028XLA-09BG256I |
| XC4028XL-HQ160 | XC4028XL-09HQ160C | XC4052XLA-09HQ160C |
| | XC4028XL-1HQ160C | XC4052XLA-09HQ160C |
| | XC4028XL-2HQ160C | XC4052XLA-09HQ160C |
| | XC4028XL-3HQ160C | XC4052XLA-09HQ160C |
| | XC4028XL-1HQ160I | XC4052XLA-09HQ160I |
| | XC4028XL-2HQ160I | XC4052XLA-09HQ160I |
| | XC4028XL-3HQ160I | XC4052XLA-09HQ160I |
| XC4028XL-HQ304 | XC4028XL-09HQ304C | XC4052XLA-09HQ304C |
| | XC4028XL-1HQ304C | XC4052XLA-09HQ304C |
| | XC4028XL-2HQ304C | XC4052XLA-09HQ304C |
| | XC4028XL-3HQ304C | XC4052XLA-09HQ304C |
| | XC4028XL-1HQ304I | XC4052XLA-09HQ304I |
| | XC4028XL-2HQ304I | XC4052XLA-09HQ304I |
| | XC4028XL-3HQ304I | XC4052XLA-09HQ304I |
| XC4036XL-BG352 | XC4036XL-09BG352C | *XC4036XLA-09BG352C |
| | XC4036XL-1BG352C | *XC4036XLA-09BG352C |
| | XC4036XL-2BG352C | *XC4036XLA-09BG352C |
| | XC4036XL-3BG352C | *XC4036XLA-09BG352C |
| | XC4036XL-1BG352I | *XC4036XLA-09BG352I |
| | XC4036XL-2BG352I | *XC4036XLA-09BG352I |
| | XC4036XL-3BG352I | *XC4036XLA-09BG352I |
| XC4036XL-BG432 | XC4036XL-09BG432C | *XC4036XLA-09BG432C |
| | XC4036XL-1BG432C | *XC4036XLA-09BG432C |
| | XC4036XL-2BG432C | *XC4036XLA-09BG432C |
| | XC4036XL-3BG432C | *XC4036XLA-09BG432C |
| | XC4036XL-1BG432I | *XC4036XLA-09BG432I |
| | XC4036XL-2BG432I | *XC4036XLA-09BG432I |
| | XC4036XL-3BG432I | *XC4036XLA-09BG432I |
| XC4036XL-HQ160 | XC4036XL-09HQ160C | XC4052XLA-09HQ160C |
| | XC4036XL-1HQ160C | XC4052XLA-09HQ160C |
| | XC4036XL-2HQ160C | XC4052XLA-09HQ160C |

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| XC4000XL Family Member | Discontinued Part Number | Recommended Replacement |
|-------------------------------|---------------------------------|--------------------------------|
| | XC4036XL-3HQ160C | XC4052XLA-09HQ160C |
| | XC4036XL-1HQ160I | XC4052XLA-09HQ160I |
| | XC4036XL-2HQ160I | XC4052XLA-09HQ160I |
| | XC4036XL-3HQ160I | XC4052XLA-09HQ160I |
| XC4036XL-HQ208 | XC4036XL-09HQ208C | *XC4036XLA-09HQ208C |
| | XC4036XL-1HQ208C | *XC4036XLA-09HQ208C |
| | XC4036XL-2HQ208C | *XC4036XLA-09HQ208C |
| | XC4036XL-3HQ208C | *XC4036XLA-09HQ208C |
| | XC4036XL-1HQ208I | *XC4036XLA-09HQ208I |
| | XC4036XL-2HQ208I | *XC4036XLA-09HQ208I |
| | XC4036XL-3HQ208I | *XC4036XLA-09HQ208I |
| XC4036XL-HQ240 | XC4036XL-09HQ240C | *XC4036XLA-09HQ240C |
| | XC4036XL-1HQ240C | *XC4036XLA-09HQ240C |
| | XC4036XL-2HQ240C | *XC4036XLA-09HQ240C |
| | XC4036XL-3HQ240C | *XC4036XLA-09HQ240C |
| | XC4036XL-1HQ240I | *XC4036XLA-09HQ240I |
| | XC4036XL-2HQ240I | *XC4036XLA-09HQ240I |
| | XC4036XL-3HQ240I | *XC4036XLA-09HQ240I |
| XC4036XL-HQ304 | XC4036XL-09HQ304C | XC4052XLA-09HQ304C |
| | XC4036XL-1HQ304C | XC4052XLA-09HQ304C |
| | XC4036XL-2HQ304C | XC4052XLA-09HQ304C |
| | XC4036XL-3HQ304C | XC4052XLA-09HQ304C |
| | XC4036XL-1HQ304I | XC4052XLA-09HQ304I |
| | XC4036XL-2HQ304I | XC4052XLA-09HQ304I |
| | XC4036XL-3HQ304I | XC4052XLA-09HQ304I |
| XC4044XL-HQ160 | XC4044XL-09HQ160C | XC4052XLA-09HQ160C |
| | XC4044XL-1HQ160C | XC4052XLA-09HQ160C |
| | XC4044XL-2HQ160C | XC4052XLA-09HQ160C |
| | XC4044XL-3HQ160C | XC4052XLA-09HQ160C |
| | XC4044XL-1HQ160I | XC4052XLA-09HQ160I |
| | XC4044XL-2HQ160I | XC4052XLA-09HQ160I |
| | XC4044XL-3HQ160I | XC4052XLA-09HQ160I |
| XC4044XL-HQ304 | XC4044XL-09HQ304C | XC4052XLA-09HQ304C |
| | XC4044XL-1HQ304C | XC4052XLA-09HQ304C |
| | XC4044XL-2HQ304C | XC4052XLA-09HQ304C |
| | XC4044XL-3HQ304C | XC4052XLA-09HQ304C |
| | XC4044XL-1HQ304I | XC4052XLA-09HQ304I |
| | XC4044XL-2HQ304I | XC4052XLA-09HQ304I |
| | XC4044XL-3HQ304I | XC4052XLA-09HQ304I |
| XC4052XL-BG432 | XC4052XL-09BG432C | *XC4052XLA-09BG432C |
| | XC4052XL-1BG432C | *XC4052XLA-09BG432C |
| | XC4052XL-2BG432C | *XC4052XLA-09BG432C |
| | XC4052XL-3BG432C | *XC4052XLA-09BG432C |
| | XC4052XL-1BG432I | *XC4052XLA-09BG432I |
| | XC4052XL-2BG432I | *XC4052XLA-09BG432I |

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| XC4000XL Family Member | Discontinued Part Number | Recommended Replacement |
|-------------------------------|---------------------------------|--------------------------------|
| | XC4052XL-3BG432I | *XC4052XLA-09BG432I |
| XC4052XL-BG560 | XC4052XL-09BG560C | *XC4052XLA-09BG560C |
| | XC4052XL-1BG560C | *XC4052XLA-09BG560C |
| | XC4052XL-2BG560C | *XC4052XLA-09BG560C |
| | XC4052XL-3BG560C | *XC4052XLA-09BG560C |
| | XC4052XL-1BG560I | *XC4052XLA-09BG560I |
| | XC4052XL-2BG560I | *XC4052XLA-09BG560I |
| | XC4052XL-3BG560I | *XC4052XLA-09BG560I |
| XC4052XL-HQ240 | XC4052XL-09HQ240C | *XC4052XLA-09HQ240C |
| | XC4052XL-1HQ240C | *XC4052XLA-09HQ240C |
| | XC4052XL-2HQ240C | *XC4052XLA-09HQ240C |
| | XC4052XL-3HQ240C | *XC4052XLA-09HQ240C |
| | XC4052XL-1HQ240I | *XC4052XLA-09HQ240I |
| | XC4052XL-2HQ240I | *XC4052XLA-09HQ240I |
| | XC4052XL-3HQ240I | *XC4052XLA-09HQ240I |
| XC4052XL-HQ304 | XC4052XL-09HQ304C | *XC4052XLA-09HQ304C |
| | XC4052XL-1HQ304C | *XC4052XLA-09HQ304C |
| | XC4052XL-2HQ304C | *XC4052XLA-09HQ304C |
| | XC4052XL-3HQ304C | *XC4052XLA-09HQ304C |
| | XC4052XL-1HQ304I | *XC4052XLA-09HQ304I |
| | XC4052XL-2HQ304I | *XC4052XLA-09HQ304I |
| | XC4052XL-3HQ304I | *XC4052XLA-09HQ304I |
| XC4062XL-HQ304 | XC4062XL-09HQ304C | |
| | XC4062XL-1HQ304C | |
| | XC4062XL-2HQ304C | |
| | XC4062XL-3HQ304C | |
| | XC4062XL-1HQ304I | |
| | XC4062XL-2HQ304I | |
| | XC4062XL-3HQ304I | |
| XC4085XL-BG432 | XC4085XL-09BG432C | *XC4085XLA-09BG432C |
| | XC4085XL-1BG432C | *XC4085XLA-09BG432C |
| | XC4085XL-2BG432C | *XC4085XLA-09BG432C |
| | XC4085XL-3BG432C | *XC4085XLA-09BG432C |
| | XC4085XL-1BG432I | *XC4085XLA-09BG432I |
| | XC4085XL-2BG432I | *XC4085XLA-09BG432I |
| | XC4085XL-3BG432I | *XC4085XLA-09BG432I |
| XC4085XL-BG560 | XC4085XL-09BG560C | *XC4085XLA-09BG560C |
| | XC4085XL-1BG560C | *XC4085XLA-09BG560C |
| | XC4085XL-2BG560C | *XC4085XLA-09BG560C |
| | XC4085XL-3BG560C | *XC4085XLA-09BG560C |
| | XC4085XL-1BG560I | *XC4085XLA-09BG560I |
| | XC4085XL-2BG560I | *XC4085XLA-09BG560I |
| | XC4085XL-3BG560I | *XC4085XLA-09BG560I |

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XC4000XLA Discontinuation Summary

One package and two devices in the XC4000XLA family are being removed entirely.

- Package: PQ160
- Devices: XC4044XLA and XC4062XLA

In addition to the above devices and package, the following device-package combinations are being discontinued:

- XC4028XLA-HQ208
- XC4028XLA-HQ160
- XC4036XLA-HQ160
- XC4085XLA-HQ304

Not all recommended replacements identified in the far right column are drop-in replacements for the discontinued part numbers. In these cases, a redesign of the customer's board may be required. Customers may need to have the original design tools in order to support the re-design. Because of the maturity of the product, recommended replacements provide only a short term solution and there is no commitment for end of life expectancy. For long term solutions, please consider re-designing into the Spartan product family.

| XC4000XLA Family Member | Discontinued Part Number | Recommended Replacement |
|-------------------------|--------------------------|-------------------------|
| XC4013XLA-PQ160 | XC4013XLA-07PQ160C | |
| | XC4013XLA-08PQ160C | |
| | XC4013XLA-09PQ160C | |
| | XC4013XLA-08PQ160I | |
| | XC4013XLA-09PQ160I | |
| XC4020XLA-PQ160 | XC4020XLA-07PQ160C | |
| | XC4020XLA-08PQ160C | |
| | XC4020XLA-09PQ160C | |
| | XC4020XLA-08PQ160I | |
| | XC4020XLA-09PQ160I | |
| XC4028XLA-HQ160 | XC4028XLA-07HQ160C | XC4052XLA-07HQ160C |
| | XC4028XLA-08HQ160C | XC4052XLA-08HQ160C |
| | XC4028XLA-09HQ160C | XC4052XLA-09HQ160C |
| | XC4028XLA-08HQ160I | XC4052XLA-08HQ160I |
| | XC4028XLA-09HQ160I | XC4052XLA-09HQ160I |
| XC4028XLA-HQ208 | XC4028XLA-07HQ208C | XC4036XLA-07HQ208C |
| | XC4028XLA-08HQ208C | XC4036XLA-08HQ208C |
| | XC4028XLA-09HQ208C | XC4036XLA-09HQ208C |
| | XC4028XLA-08HQ208I | XC4036XLA-08HQ208I |
| | XC4028XLA-09HQ208I | XC4036XLA-09HQ208I |
| XC4036XLA-HQ160 | XC4036XLA-07HQ160C | XC4052XLA-07HQ160C |
| | XC4036XLA-08HQ160C | XC4052XLA-08HQ160C |
| | XC4036XLA-09HQ160C | XC4052XLA-09HQ160C |
| | XC4036XLA-08HQ160I | XC4052XLA-08HQ160I |
| | XC4036XLA-09HQ160I | XC4052XLA-09HQ160I |
| XC4044XLA-BG352 | XC4044XLA-07BG352C | XC4052XLA-07BG352C |
| | XC4044XLA-08BG352C | XC4052XLA-08BG352C |

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| XC4000XLA Family Member | Discontinued Part Number | Recommended Replacement |
|--------------------------------|---------------------------------|--------------------------------|
| | XC4044XLA-09BG352C | XC4052XLA-09BG352C |
| | XC4044XLA-08BG352I | XC4052XLA-08BG352I |
| | XC4044XLA-09BG352I | XC4052XLA-09BG352I |
| XC4044XLA-BG432 | XC4044XLA-07BG432C | XC4052XLA-07BG432C |
| | XC4044XLA-08BG432C | XC4052XLA-08BG432C |
| | XC4044XLA-09BG432C | XC4052XLA-09BG432C |
| | XC4044XLA-08BG432I | XC4052XLA-08BG432I |
| | XC4044XLA-09BG432I | XC4052XLA-09BG432I |
| XC4044XLA-HQ160 | XC4044XLA-07HQ160C | XC4052XLA-07HQ160C |
| | XC4044XLA-08HQ160I | XC4052XLA-08HQ160I |
| | XC4044XLA-09HQ160C | XC4052XLA-09HQ160C |
| | XC4044XLA-08HQ160C | XC4052XLA-08HQ160C |
| | XC4044XLA-09HQ160I | XC4052XLA-09HQ160I |
| XC4044XLA-HQ208 | XC4044XLA-07HQ208C | XC4052XLA-07HQ208C |
| | XC4044XLA-08HQ208C | XC4052XLA-08HQ208C |
| | XC4044XLA-09HQ208C | XC4052XLA-09HQ208C |
| | XC4044XLA-08HQ208I | XC4052XLA-08HQ208I |
| | XC4044XLA-09HQ208I | XC4052XLA-09HQ208I |
| XC4044XLA-HQ240 | XC4044XLA-07HQ240C | XC4052XLA-07HQ240C |
| | XC4044XLA-08HQ240C | XC4052XLA-08HQ240C |
| | XC4044XLA-09HQ240C | XC4052XLA-09HQ240C |
| | XC4044XLA-08HQ240I | XC4052XLA-08HQ240I |
| | XC4044XLA-09HQ240I | XC4052XLA-09HQ240I |
| XC4044XLA-HQ304 | XC4044XLA-07HQ304C | XC4052XLA-07HQ304C |
| | XC4044XLA-08HQ304C | XC4052XLA-08HQ304C |
| | XC4044XLA-09HQ304C | XC4052XLA-09HQ304C |
| | XC4044XLA-08HQ304I | XC4052XLA-08HQ304I |
| | XC4044XLA-09HQ304I | XC4052XLA-09HQ304I |
| XC4062XLA-BG352 | XC4062XLA-07BG352C | XC4085XLA-07BG352C |
| | XC4062XLA-08BG352C | XC4085XLA-08BG352C |
| | XC4062XLA-09BG352C | XC4085XLA-09BG352C |
| | XC4062XLA-08BG352I | XC4085XLA-08BG352I |
| | XC4062XLA-09BG352I | XC4085XLA-09BG352I |
| XC4062XLA-BG432 | XC4062XLA-07BG432C | XC4085XLA-07BG432C |
| | XC4062XLA-08BG432C | XC4085XLA-08BG432C |
| | XC4062XLA-09BG432C | XC4085XLA-09BG432C |
| | XC4062XLA-08BG432I | XC4085XLA-08BG432I |
| | XC4062XLA-09BG432I | XC4085XLA-09BG432I |
| XC4062XLA-BG560 | XC4062XLA-07BG560C | XC4085XLA-07BG560C |
| | XC4062XLA-08BG560C | XC4085XLA-08BG560C |
| | XC4062XLA-09BG560C | XC4085XLA-09BG560C |
| | XC4062XLA-08BG560I | XC4085XLA-08BG560I |
| | XC4062XLA-09BG560I | XC4085XLA-09BG560I |
| XC4062XLA-HQ160 | XC4062XLA-07HQ160C | XC4085XLA-07HQ160C |
| | XC4062XLA-08HQ160C | XC4085XLA-08HQ160C |

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| XC4000XLA Family Member | Discontinued Part Number | Recommended Replacement |
|--------------------------------|---------------------------------|--------------------------------|
| | XC4062XLA-09HQ160C | XC4085XLA-09HQ160C |
| | XC4062XLA-08HQ160I | XC4085XLA-08HQ160I |
| | XC4062XLA-09HQ160I | XC4085XLA-09HQ160I |
| XC4062XLA-HQ208 | XC4062XLA-07HQ208C | XC4085XLA-07HQ208C |
| | XC4062XLA-08HQ208C | XC4085XLA-08HQ208C |
| | XC4062XLA-09HQ208C | XC4085XLA-09HQ208C |
| | XC4062XLA-08HQ208I | XC4085XLA-08HQ208I |
| | XC4062XLA-09HQ208I | XC4085XLA-09HQ208I |
| XC4062XLA-HQ240 | XC4062XLA-07HQ240C | XC4085XLA-07HQ240C |
| | XC4062XLA-08HQ240C | XC4085XLA-08HQ240C |
| | XC4062XLA-09HQ240C | XC4085XLA-09HQ240C |
| | XC4062XLA-08HQ240I | XC4085XLA-08HQ240I |
| | XC4062XLA-09HQ240I | XC4085XLA-09HQ240I |
| XC4062XLA-HQ304 | XC4062XLA-07HQ304C | |
| | XC4062XLA-08HQ304C | |
| | XC4062XLA-09HQ304C | |
| | XC4062XLA-08HQ304I | |
| | XC4062XLA-09HQ304I | |
| XC4085XLA-HQ304 | XC4085XLA-07HQ304C | |
| | XC4085XLA-08HQ304C | |
| | XC4085XLA-09HQ304C | |
| | XC4085XLA-08HQ304I | |
| | XC4085XLA-09HQ304I | |

XC4000E Discontinuation Summary

Two packages and two devices in the XC4000E family are being removed entirely:

- Packages: VQ100 and HQ304
- Devices: XC4008E and XC4025E

In addition to the above devices and packages, the following device-package combinations are being discontinued:

- XC4005E-PQ208
- XC4006E-PC84
- XC4006E-TQ144
- XC4010E-HQ208

Not all recommended replacements identified in the far right column are drop-in replacements for the discontinued part numbers. In these cases, a redesign of the customer's board may be required. Customers may need to have the original design tools in order to support the re-design. Because of the maturity of the product, recommended replacements provide only a short term solution and there is no commitment for end of life expectancy. For long term solutions, please consider re-designing into the Spartan product family.

| XC4000E Family Member | Discontinued Part Number | Recommended Replacement |
|------------------------------|---------------------------------|--------------------------------|
| XC4003E-VQ100 | XC4003E-1VQ100C | |
| | XC4003E-2VQ100C | |

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| XC4000E Family Member | Discontinued Part Number | Recommended Replacement |
|------------------------------|---------------------------------|--------------------------------|
| | XC4003E-3VQ100C | |
| | XC4003E-4VQ100C | |
| | XC4003E-2VQ100I | |
| | XC4003E-3VQ100I | |
| | XC4003E-4VQ100I | |
| XC4005E-PQ208 | XC4005E-1PQ208C | XC4006E-1PQ208C |
| | XC4005E-2PQ208C | XC4006E-2PQ208C |
| | XC4005E-3PQ208C | XC4006E-3PQ208C |
| | XC4005E-4PQ208C | XC4006E-4PQ208C |
| | XC4005E-2PQ208I | XC4006E-2PQ208I |
| | XC4005E-3PQ208I | XC4006E-3PQ208I |
| | XC4005E-4PQ208I | XC4006E-4PQ208I |
| XC4006E-PC84 | XC4006E-1PC84C | XC4010E-1PC84C |
| | XC4006E-2PC84C | XC4010E-2PC84C |
| | XC4006E-3PC84C | XC4010E-3PC84C |
| | XC4006E-4PC84C | XC4010E-4PC84C |
| | XC4006E-2PC84I | XC4010E-2PC84I |
| | XC4006E-3PC84I | XC4010E-3PC84I |
| | XC4006E-4PC84I | XC4010E-4PC84I |
| XC4006E-TQ144 | XC4006E-1TQ144C | |
| | XC4006E-2TQ144C | |
| | XC4006E-3TQ144C | |
| | XC4006E-4TQ144C | |
| | XC4006E-2TQ144I | |
| | XC4006E-3TQ144I | |
| | XC4006E-4TQ144I | |
| XC4008E-PC84 | XC4008E-1PC84C | XC4010E-1PC84C |
| | XC4008E-2PC84C | XC4010E-2PC84C |
| | XC4008E-3PC84C | XC4010E-3PC84C |
| | XC4008E-4PC84C | XC4010E-4PC84C |
| | XC4008E-2PC84I | XC4010E-2PC84I |
| | XC4008E-3PC84I | XC4010E-3PC84I |
| | XC4008E-4PC84I | XC4010E-4PC84I |
| XC4008E-PQ160 | XC4008E-1PQ160C | XC4010E-1PQ160C |
| | XC4008E-2PQ160C | XC4010E-2PQ160C |
| | XC4008E-3PQ160C | XC4010E-3PQ160C |
| | XC4008E-4PQ160C | XC4010E-4PQ160C |
| | XC4008E-2PQ160I | XC4010E-2PQ160I |
| | XC4008E-3PQ160I | XC4010E-3PQ160I |
| | XC4008E-4PQ160I | XC4010E-4PQ160I |
| XC4008E-PQ208 | XC4008E-1PQ208C | XC4010E-1PQ208C |
| | XC4008E-2PQ208C | XC4010E-2PQ208C |
| | XC4008E-3PQ208C | XC4010E-3PQ208C |
| | XC4008E-4PQ208C | XC4010E-4PQ208C |
| | XC4008E-2PQ208I | XC4010E-2PQ208I |

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| XC4000E Family Member | Discontinued Part Number | Recommended Replacement |
|-----------------------|--------------------------|-------------------------|
| | XC4008E-3PQ208I | XC4010E-3PQ208I |
| | XC4008E-4PQ208I | XC4010E-4PQ208I |
| XC4010E-HQ208 | XC4010E-1HQ208C | XC4013E-1HQ208C |
| | XC4010E-2HQ208C | XC4013E-2HQ208C |
| | XC4010E-3HQ208C | XC4013E-3HQ208C |
| | XC4010E-4HQ208C | XC4013E-4HQ208C |
| | XC4010E-2HQ208I | XC4013E-2HQ208I |
| | XC4010E-3HQ208I | XC4013E-3HQ208I |
| | XC4010E-4HQ208I | XC4013E-4HQ208I |
| XC4025E-HQ240 | XC4025E-2HQ240C | |
| | XC4025E-3HQ240C | |
| | XC4025E-4HQ240C | |
| | XC4025E-3HQ240I | |
| | XC4025E-4HQ240I | |
| XC4025E-HQ304 | XC4025E-2HQ304C | |
| | XC4025E-3HQ304C | |
| | XC4025E-4HQ304C | |
| | XC4025E-3HQ304I | |
| | XC4025E-4HQ304I | |

Response

Immediate response to this notification is not required. As was previously noted, some of the discontinued part numbers have direct pin-compatible replacements. Others have several indirect replacements. Please contact your [Xilinx Sales Representative](#) for assistance in planning for device replacement. 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 |
|----------|---------|---|
| 8/23/04 | 1.0 | Initial release. |
| 11/15/04 | 1.1 | <ul style="list-style-type: none"> • Modify to add XC4036XL-09HQ240C and XC4062XLA-HQ240 • Modified and added numerous recommended replacement devices. Indicated whether replacements are drop-in replacements. • Fixed a typographical errors: <ul style="list-style-type: none"> ○ XC4006E-TQ144 was incorrectly listed as XC4006E-TQ100. ○ XC4052XL-09BG560C was incorrectly listed as XC4052XL-09BG432C. ○ Some I-grades were incorrectly listed as 1-grade. • Resorted the part number listings alphabetically. |