



Quality Alert

XQR5VFX130-1CN1752B/V

Potential Reliability Risk

XCN18023 (v1.0) August 27, 2018

Quality Alert

Overview

The purpose of this notification is to communicate a reliability risk for specific date codes of Virtex®-5 XQR5VFX130-1CN1752 B and V grade products.

Description

Xilinx has found a manufacturing issue with XQR5VFX130-1CN1752 B and V grade products limited to the lot date codes listed in [Table 1](#). These units may have cracks in the C4 bumps which connect the die to the substrate. This can result in open-circuit connections on signal-pins during temperature cycling, shock, or vibration qualification testing or operating conditions. There is no effective electrical screen to detect this manufacturing issue.

The issue is confined to Xilinx products with certain lot date codes listed in [Table 1](#).

Products Affected

Affected products are confined to certain date codes. Any associated specification control document (SCD) versions of the standard part numbers are also affected.

Table 1: Products Affected and Date Codes

Part Number	Lot Date Code (LDC)
XQR5VFX130-1CN1752B	1418, 1425, 1430
XQR5VFX130-1CN1752V	1418, 1425, 1430

Corrective Action

Xilinx has implemented a corrective action and additional DPA sampling inspection for this manufacturing issue.

Required Action

Customers should return units with the affected date codes to Xilinx for replacement.

Those customers who have already mounted units on boards or in finished products should contact Xilinx for further guidance.

For additional information or questions, please contact your Xilinx sales representative.

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Revision History

The following table shows the revision history for this document.

Date	Version	Revision
08/27/2018	1.0	Initial release.

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