

Product Advisory

Issue Date: December 16, 2022

Summary:

NX1 NIC supported NVRAM list has been updated to include newer NVRAM parts to ensure supply for current and future designs. Designs manufactured with NVRAM listed in Table 2 will be running firmware from 2.23 release or newer and cannot be downgraded to an earlier release. This downgrade operation will result in the board or LOM being inoperable. There is no recovery mechanism.

Parts Affected:

Table 1 – Impacted devices	Form Factor	PCI ID
BCM95720A2003GHP (Woodville)	PCIe	14E4-165F-103C-1786
BCM5719A1KFBG	LOM	--
BCM5720A0KFBG	LOM	--
BCM5720LA0KPBG	LOM	--

New NVRAM Affected:

Table 2 – Impacted NVRAM	Device Density
MX25V40066 (Macronix Flash)	4 Mbit
MX25V80066 (Macronix Flash)	8 Mbit
W25X40CL (Winbond Flash)	4 Mbit
W25Q80DV (Winbond Flash)	8 Mbit

Failure scenario

Step 1: The design listed in Table 1 (Board or LOM) is manufactured with firmware from 2.23 release or newer and an NVRAM part listed in Table 2

Step 2: The firmware is downgraded to any firmware version prior to release 2.23

The sequence of events above will result in the solution being inoperable. There is no recovery mechanism. Please RMA the board if possible. Otherwise please contact Broadcom.

Recommendation

Customers using new NVRAM parts (Table 2) must use firmware from 2.23 release (or newer) and cannot downgrade to a version prior to release 2.23.

Effective Date of Change:

The update will be implemented as a running change. Product shipments start after Jan 1, 2023.