

Product Advisory

Issue Date: August 30, 2023

Change Description:

Additional NAND Flash part number added to BOMs

Parts Affected:

Family	Board Name	Kit	Bulk
Aero	9560-16i 9560-8i	05-50077-xx	03-50077-xx
	9580-8i8e 9580-8e	05-50079-xx	03-50079-xx
	9562-16i	05-50137-xx	03-50137-xx
Avenger 1	9770W-32i	05-50113-xx	03-50113-xx
	9670-24i	05-50123-xx	03-50123-xx
	9660-16i	05-50107-xx	03-50107-xx

Note: "-xx" indicates different SKUs of the same board family; may differ depending on customer

Description and Extent of Change:

Broadcom DCSG is adding Kioxia BiCS5 Flash as another source the MegaRAID 95xx and 96xx series standard boards and custom MegaRAID adapters. Currently these boards support Micron B17/B17I and Kioxia BiCS3 series flash. BiCS5 is the follow-on to BiCS3 and is pin compatible to BiCS3. For long-term supply assurance, it is necessary migrate to BiCS5 eventually as BiCS3 will phase out and go EOL at some time in the future.

While adding BiCS5 does not require changes to the board, updates to the NAND flash library were required in firmware. Due to this, FW has instituted downgrade blocking for boards populated with BiCS5 as of MR 7.25 (Aero) and MR 8.6 (Avenger). This means a board built with BiCS5 cannot use FW versions earlier than MR 7.25 and MR 8.6.

- MegaRAID 7.25 Release Date: 04/28/2023
- MegaRAID 8.6 Release Date: 07/31/2023

To give customers time to adjust to this requirement, Broadcom will not start shipping boards using BiCS5 until after August 1, 2024. This gives customers approximately one year and four more MegaRAID releases to prepare for the downgrade blocking. The following table shows which FW versions support each flash type.

Family	Board Name	MR 7.20	MR7.25	MR 8.0	MR.8.6
Aero	9560-16i 9560-8i 9580-8i8e 9580-8e 9562-16i	BiCS3 B17(I)	BiCS3 BiCS5 B17(I)	NA	NA
Avenger 1	9670W-32i 9670-24i 9660-16i	NA	NA	BiCS3 B17(I)	BiCS3 BiCS5 B17(I)

Reasons for Change:

Add next generation BiCS NAND flash to BOM for long term supply assurance.

Effect of Change on Fit, Form, Function, Quality, or Reliability:

Downgrade will not be available for boards populated with BiCS5 flash starting with MR 7.25 (Aero) and MR 8.6 (Avenger). No change to board design or layout.

Effective Date of Change:

September 1, 2024

After September 1, 2024 boards may ship with B17, B17I, BiCS3 or BiCS5 flash under the same SKU. The addition of BiCS5 is a routine addition due to process node changes that are expected through the life of a product. This change has been verified by Broadcom board and FW validation teams. No samples are available.

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please acknowledge the receipt of the notice within 30 days of delivery. Lack of acknowledgement within 30 days constitutes acceptance of the change per JEDEC J-STD-046.