

Product Change Notification (PCN): 0052 Colibri iMX8DX 1GB V1.0D - eMMC change

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1. Affected Product Numbers

End of Life Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00521003	Colibri iMX8DX 1GB V1.0D	00521004	Colibri iMX8DX 1GB V1.0E

2. Product Phase-in / Phase-out Schedule

End of Life Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00521003	LTB (Last Time Buy): 2024-12-16 LTS (Last Time Ship): 2025-06-14	00521004	Samples: Q3/2024

Customers are strongly encouraged to convert their designs to the replacement parts listed above. Compatibility of the end of life parts with future software releases is not guaranteed. Toradex also advises customers to carefully validate the new product version before their production release.

3. Change Details

Change: eMMC

The eMMC part Micron MTFC4GACAJCN-4M IT has been replaced with the SkyHigh S40FC004C1B1C00

4. Customer Impact

Hardware

- No impact is expected, however please carefully verify the new product version in your environment.

Software

- eMMC changes usually do not affect customer software, however, please validate your use case. Toradex uses the last block of the primary hardware area boot partition to store important information such as the module's serial number in the so-called Config Block. Due to the different hardware area boot partition size the absolute location of this Config Block changed. All Toradex provided software calculates the Config Block address relative to the end of the hardware area boot partition, hence there is no software impact for standard software. Customers who explicitly write the Config Block to a fixed eMMC block number need to update the block number. It is recommended to review and test your software, especially if you have customized Toradex-provided software or used your own software to take advantage of eMMC-specific features. A common process to find such customizations is in the customer's factory programming process.

Torizon OS

- No impact is expected

Toradex Embedded Linux BSP

- No impact is expected

5. Contact

- Please contact Toradex if you have any questions:
 - For commercial and sales questions, please contact shop@toradex.com or your Toradex sales representative.
 - For technical questions, please contact support@toradex.com.