

# Product Change Notification (PCN): 0039 Colibri iMX7D 1GB V1.1A to Colibri iMX7D 1GB V1.1B - Update Nov. 28 2023

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Updated on 25 Nov 2021 Changes: Updated "Description of Changes" to emphasize Torizon Easy Installer change and new reset setup.

Updated on 16 Dec 2021 Changes: Updated "Customer Impact" to emphasize rare software impact of eMMC change.

Updated on 28 Nov 2023 Changes: Updated "Customer Impact" to provide details on replacing the pre-installed software from Toradex Easy Installer 1.8 to Toradex Easy Installer 5.3.0.

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## 1. Affected Product Numbers

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End of Life Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00391100	Colibri iMX7D 1GB V1.1A	00391101	Colibri iMX7D 1GB V1.1B

## 2. Product Phase in / Phase-out Schedule

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End of Life Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00391100	Due to memory component supply issues, we can't assure last time buy (LTB) and last time ship (LTS) options. The current product version will be sold until limited inventory is depleted.	00391101	Samples/Volume in November 2021

Toradex advises its customers to carefully validate the new product version before their production release.

### 3. Description of Changes

#### Change #1: eMMC

Affected products	Change
00391100 Colibri iMX7D 1GB V1.1A	Replacing eMMC (non-IT): Micron MTFC4GACAJCN-1M WT with SkyHigh S40FC004C1B1C00

#### Change #2: Torizon Easy Installer

Affected products	Change
00391100 Colibri iMX7D 1GB V1.1A	Replacing the pre-installed software from Toradex Easy Installer 1.8 to Toradex Easy Installer 5.3.0.

#### Change #3: Default reset behavior

Affected products	Change
00391100 Colibri iMX7D 1GB V1.1A	<p>The reset setup was changed by fusing the SoC with fast boot acknowledge enabled, using the following U-Boot command:</p> <pre>fuse prog -y 2 2 0x00000003</pre> <p>The hardware eMMC reset was enabled by fusing the SoC and programming the eMMC, using the following U-Boot commands:</p> <pre>fuse prog -y 1 3 0x10002ae4 mmc rst-function 0 1</pre>

## 4. Customer Impact

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### Hardware

- No impact on the hardware side 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. The SkyHigh S40FC004C1B1C00 eMMC features larger boot partitions (4MB) compared to the Micron MTFC4GACAJCN-1M WT (2MB). Toradex uses the last block of the primary boot partition to store important information, such as the module's serial number in the so-called config block. Due to the different 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 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 typical location to find such customizations is the customer's factory programming process.

- **The pre-installed software on the Replacement Product changes from Toradex Easy Installer 1.8 to Toradex Easy Installer 5.3.0. Toradex Easy Installer is typically used for the factory programming of SoMs.**

**As Toradex Easy Installer 5.3.0 is featuring a newer major version of the Linux Kernel, there is a potential impact on customers' factory programming procedure. Therefore, we strongly advise to validate this new version of Toradex Easy Installer as soon as possible, especially if the factory programming procedure is relying on the following scripts: prepare\_script, wrapup\_script, error-script.**

**Customers can instantly download, install and validate the new version of Toradex Easy Installer. More information is available here: [Loading Toradex Easy Installer | Toradex Developer Center](#)**

## 5. Contact

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- Please contact Toradex if you have any questions.
- For commercial and sales questions, please contact [shop@toradex.com](mailto:shop@toradex.com)
- For technical questions, please contact [support@toradex.com](mailto:support@toradex.com)