

# Product Change Notification (PCN): 0052 Colibri iMX8DX 1GB V1.0B to 0052 Colibri iMX8DX 1GB V1.0D

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## 1. Affected Product Numbers

End of Life Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00521001	Colibri iMX8DX 1GB V1.0B	00521003	Colibri iMX8DX 1GB V1.0D

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

End of Life Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00521001	Early access product	00521003	Volume Candidates available in Q4, 2020

Customers are strongly encouraged to convert their designs to the replacement parts listed above. Toradex also advises customers to carefully validate the new product version before their production release, since the product is still in “Sample” product phase.

## 3. Description of Changes

### Change #1: Key components

- Replaced SoC: PIMX8UX6AVLFZAB with MIMX8UX5CVLFZAC
- Replaced PMIC: PC33PF8100A0ES with MC34PF8100A0EP

## 4. Customer Impact

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### Hardware

- The change from V1.0B to V1.0D of 0052 Colibri iMX8DX 1GB V1.0B doesn't have any effect on carrier boards and other related hardware
- No HiFi 4 DSP feature
- Improved ADC accuracy
- Fused PMIC (was strapped only before)
- SoC changed from Automotive to Industrial part
- Improved main crystal accuracy which improves Ethernet clock accuracy

### Software

- 0052 Colibri iMX8DX 1GB V1.0B it is still possible to build using OE-machine `colibri-imx8x-v10b` (optional) and RAMID has to be correct for V1.0B products from BSP 4.0 Zeus onwards (and including upcoming BSP 5.0 Dunfell). Stable BSP 3.0.4 supports it under the regular OE-machine `colibri-imx8x`. It was an Early Access product that may have limited support in the future
- 0052 Colibri iMX8DX 1GB V1.0D is a Volume Candidate product for which Toradex will provide extended software support
- For the latest Linux BSP information, please refer to:  
<https://developer.toradex.com/software/linux/linux-software/release-details>
- For the latest Toradex Easy Installer information, please refer to:  
<https://developer.toradex.com/software/toradex-easy-installer/release-details>
- For the latest TorizonCore information, please refer to:  
<https://developer.toradex.com/software/torizon/release-details>
- For more general Software information, please refer to:  
<https://developer.toradex.com/software>

## 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)