

# Product Change Notification (PCN)

Transition from Colibri iMX6ULL 512MB IT V1.0A to Colibri iMX6ULL 512MB IT V1.1A

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## 1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00441000	Colibri iMX6ULL 512MB IT V1.0A	00441100	Colibri iMX6ULL 512MB IT V1.1A

## 2. Product Phase in / Phase out Schedule

Supplies of the discontinued product are limited. All orders will be filled on a first-come, first-served basis until our inventory is depleted. **Thereafter no orders for the discontinued products will be accepted, even if this occurs before the estimated last time buy date.**

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00441000	Product will be sold until inventory is depleted.	00441100	Sample Production: Limited numbers available now. Volume Production: Q1 2019

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.

## 3. Description of Changes

From 00441000 Colibri iMX6ULL 512MB IT V1.0A to 00441100 Colibri iMX6ULL 512MB IT V1.1A:

- Power gate circuit added for Ethernet PHY to resolve Microchip KSZ8041NL errata
- Power rail switch between main 3.3V input rail and VCC\_BATT to improve voltage level of SNVS GPIO pins
- Reset circuit improved

## 4. Customer Impact

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### 4.1. Hardware Design

- Power gating of Ethernet PHY
  - Lower power consumption achievable for low power modes in which Ethernet is turned off.
- VCC\_BATT power rail switching
  - More stable logic levels of the SNVS GPIO pins.
  - If the series diode between coin cell battery and SODIMM pin 40 (VCC\_BATT) is missing, battery could get damaged. This diode is recommended in all Toradex reference designs and guides. Customers following these recommendations won't see any impact.
- Reset circuit improvement
  - No customer impact

### 4.2. Software

- Power gating of Ethernet PHY
  - No customer impact. Switching is done automatically when PHY clock gets disabled.
- VCC\_BATT power rail switching
  - No customer impact
- Reset circuit improvement
  - No customer impact

## 5. Definitions

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LTB: Last Time Buy

LTS: Last Time Ship

EOL: End Of Life

## 6. 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)