Product Change Notification (PCN)

Transition from

Colibri PXA310 624MHz V1.3B to Colibri PXA310 624MHz V1.3C

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1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00051301	Colibri PXA310 624MHz V1.3B	00051302	Colibri PXA310 624MHz V1.3C

2. Product Phase in / Phase out Schedule

Even though Toradex secured a considerable number of spare components, 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 given last time buy date.

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00051301	Product will be sold until inventory is depleted. Or LTB (Last Time Buy): 2017-04-30 non-cancellable and non-returnable LTS (Last Time Ship): 2017-12-31	00051302	Sample Production: Limited numbers available now. Volume Production: March 2017

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 00051301 Colibri PXA310 624MHz V1.3B
to 00051302 Colibri PXA310 624MHz V1.3C:

– Change from 512MB NAND Flash Samsung K9F4G08U0D-SIB0 (EOL) to 1GB NAND Flash Cypress S34ML08G101TFI000.

4. Customer Impact

4.1. Hardware Design

– There is no impact on customer hardware such as carrier boards and other peripherals.

4.2. Software

– The new Cypress NAND Flash is double the size (1GB) of the old Samsung Flash (512MB). This might have some impact on customer applications.

– Under Windows CE, using more FlashDisk causes a slower boot as all used sectors need to be scanned during boot. To avoid this, the FlashDisk partition can be reduced to 512MB or even less.

– Customers using Windows CE BSPs or Windows CE images from Toradex are required to update to at least to bootloader V4.1 and BSP/Image V4.1 (released in September 2012). However, to make use of optimized timings for the new NAND flash, bootloader and BSP/Image V4.4 is required (released in April 2015).

– Customers using other operating systems need to check if the new Cypress Flash works with their bootloader and operating system. The Cypress S34ML08G101TFI000 datasheet is available on their website http://www.cypress.com/part/s34ml08g101tfi000

5. Definitions

LTB: Last Time Buy

LTS: Last Time Ship

EOL: End Of Life

6. Contact

Please contact Toradex if you have any questions.

For commercial and sales questions please contact shop@toradex.com

For technical questions please contact support.arm@toradex.com