Product Change Notification (PCN)

Transition from Colibri iMX7D 512MB V1.1C to Colibri iMX7D 512MB V1.1D

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1. Toradex Product Numbers Affected

EOL Product		Replacement Product	
Part Number	Product Name	Part Number	Product Name
00331102	Colibri iMX7D 512MB V1.1C	00331103	Colibri iMX7D 512MB V1.1D

2. Product Phase in / Phase out Schedule

EOL Product		Replacement Product	
Part Number	Estimated Schedule	Part Number	Estimated Schedule
00331102	Product will be sold until inventory is depleted.	00331103	Sample Production: December 2017

3. Description of Changes

From 00331102 Colibri iMX7D 512MB V1.1C to 00331103 Colibri iMX7D 512MB V1.1D:

– Improved power consumption of the internal RTC (from 454uA to 9uA).

– Fixed issue which prevented the SoM from booting after a shut-down command with supplied VCC_BATT during off-state.

– Supporting 3.3V/1.8V IO voltage switch for SD interface which allows running at faster UHS-I speed.

– Using new Nand Flash: Macronix MX30LF4G28AC-TI instead of MX30LF4G28AB-TI

– The pre-installed software on the SoM changes from Embedded Linux to Toradex Easy Installer. More information about the Toradex Easy Installer can be found on the following link: https://developer.toradex.com/software/toradex-easy-installer

4. Customer Impact

4.1. Hardware Design

– No change required.

– To make use of the optional UHS-I 3.3V/1.8V IO voltage switch on the SD interface no external pull-up resistors are allowed on the respective interface signals on the carrier board.

4.2. Software

– The changes don't have any impact on software and are fully backward compatible with older BSPs when the application is not using UHS-I.

– Under Linux the device tree needs to be updated to make use of the new UHS-I 3.3V/1.8V feature. Toradex will continue using 3.3V operation as default, because all Toradex carrier boards are assembled with 3.3V pull-up resistors on the SD interface signals.

– Under WinCE UHS-I isn't supported at the moment.

5. Definitions

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@toradex.com