



PRODUCT BULLETIN

Generic Copy

This notice is NXP Confidential Proprietary and is only intended for the customer listed on this notification.

ISSUE DATE: 02-Mar-2016
NOTIFICATION: 17082
TITLE: KINETIS KL43/KL33/KL27/KL17 128k/256k FLASH 48MHZ L4KS
 (1N71K Mask Sets) REFERENCE MANUAL UPDATE
EFFECTIVE DATE: 03-Mar-2016

DEVICE(S)

MPN
KKL17Z256CAL4R
MKL17Z128VFM4
MKL17Z128VFM4R
MKL17Z128VFT4
MKL17Z128VLH4
MKL17Z128VMP4
MKL17Z128VMP4R
MKL17Z256CAL4R
MKL17Z256VFM4
MKL17Z256VFT4
MKL17Z256VFT4R
MKL17Z256VLH4
MKL17Z256VMP4
MKL17Z256VMP4R
MKL27Z128VFM4
MKL27Z128VFT4
MKL27Z128VLH4
MKL27Z128VLH4R
MKL27Z128VMP4
MKL27Z256VFM4
MKL27Z256VFM4R
MKL27Z256VFT4
MKL27Z256VLH4
MKL27Z256VMP4

MKL33Z128VLH4
MKL33Z128VMP4
MKL33Z256VLH4
MKL33Z256VMP4
MKL43Z128VLH4
MKL43Z128VMP4
MKL43Z256VLH4
MKL43Z256VMP4

This notice is NXP Confidential Proprietary and is only intended for the customer listed on this notification.

AFFECTED CHANGE CATEGORIES

- REFERENCE MANUAL

DESCRIPTION OF CHANGE

The Kinetis KL43/KL33/KL27/KL17 with 128/256kB flash memory reference manuals are being updated to revision 5. The revision history included in the updated documents provides detailed descriptions of changes.

The Kinetis KL43/KL33/KL27/KL17 reference manuals can be found at:

KL17:

http://cache.nxp.com/files/32bit/doc/ref_manual/KL17P64M48SF6RM.pdf?fpsp=1&WT_TYPE=Reference%20Manuals&WT_VENDOR=FREESCALE&WT_FILE_FORMAT=pdf&WT_ASSET=Documentation&fileExt=.pdf

KL27:

http://cache.nxp.com/files/32bit/doc/ref_manual/KL27P64M48SF6RM.pdf?fpsp=1&WT_TYPE=Reference%20Manuals&WT_VENDOR=FREESCALE&WT_FILE_FORMAT=pdf&WT_ASSET=Documentation&fileExt=.pdf

KL33:

http://cache.nxp.com/files/32bit/doc/ref_manual/KL33P64M48SF6RM.pdf?fpsp=1&WT_TYPE=Reference%20Manuals&WT_VENDOR=FREESCALE&WT_FILE_FORMAT=pdf&WT_ASSET=Documentation&fileExt=.pdf

KL43:

http://cache.nxp.com/files/32bit/doc/ref_manual/KL43P64M48SF6RM.pdf?fpsp=1&WT_TYPE=Reference%20Manuals&WT_VENDOR=FREESCALE&WT_FILE_FORMAT=pdf&WT_ASSET=Documentation&fileExt=.pdf

A summary of the document changes are below and attached to this notice:

- Updated status of COP Watchdog from static to functional under Stop and VLPS modes in Table 7-2. Module operation in low power modes. Also added 12-bit DAC description.
- Added a note to the section 11.2, "Port control and interrupt summary".
- Removed the following information: "The LK bit (bit 15 of Pin Control Register PCRn) locks the lower 16 bits of each Pin Control register and blocks any writes to that register until the next system reset."

- Added "COP watchdog operation" section to the System Integration Module (SIM) chapter.
- Added chip-specific section (detailing about peripheral pinmux specification) to the Kinetis ROM Bootloader chapter.
- Updated descriptions of the following configuration fields: enabledPeripherals, i2cSlaveAddress, peripheral Detection Timeout, clock Divider in Table 13-3. Configuration Fields for the Kinetis Bootloader.
- Corrected Oscillator frequency range from 1–8 MHz to 3–8 MHz.
- Added chip-specific SPI information clarifying the differences and instantiation details of the SPI peripheral.
- Added chip-specific FlexIO information to Flexible I/O (FlexIO) chapter.
- Removed support of BME accessing RAM from Bit Manipulation Engine (BME) chapter.

REASON FOR CHANGE

The Kinetis L KL43/KL33/KL27/KL17 with 128/256kB flash memory reference manuals are being updated to version 5 to correct errors and provide additional technical clarification on some device features.

ANTICIPATED IMPACT OF PRODUCT CHANGE(FORM, FIT, FUNCTION, OR RELIABILITY)

There is no impact to device form, fit, function or reliability.

NOTE:

THE CHANGE(S) SPECIFIED IN THIS NOTIFICATION WILL BE IMPLEMENTED ON THE EFFECTIVE DATE LISTED ABOVE. To request further data or inquire about the notification, please enter a [Support Case](#). Be aware that after you select this link to enter your request, you must choose the topic "Product Change Notification" once on the Salesforce page.

For sample inquiries - please go to www.nxp.com

QUAL DATA AVAILABILITY DATE: 06-Jan-2016

QUALIFICATION STATUS: N/A

QUALIFICATION PLAN:

N/A

RELIABILITY DATA SUMMARY:

N/A

ELECTRICAL CHARACTERISTIC SUMMARY:

N/A

CHANGED PART IDENTIFICATION:

N/A

ATTACHMENT(S):

External attachment(s) FOR this notification can be viewed AT:

[17082_KL17P64M48SF6RM.pdf](#)

[17082_KL27P64M48SF6RM.pdf](#)

[17082_KL33P64M48SF6RM.pdf](#)

[17082_KL43P64M48SF6RM.pdf](#)
