



PRODUCT BULLETIN

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ISSUE DATE: 17-Sep-2014
NOTIFICATION: 16438
TITLE: Data Sheet Updates Specifically for KL14/15/24/25
EFFECTIVE DATE: 18-Sep-2014

DEVICE(S)

MPN
KKL15Z128CAD4R
MKL14Z32VFM4
MKL14Z32VFT4
MKL14Z32VLH4
MKL14Z32VLK4
MKL14Z64VFM4
MKL14Z64VFM4R
MKL14Z64VFT4
MKL14Z64VFT4R
MKL14Z64VLH4
MKL14Z64VLK4
MKL14Z64VLK4R
MKL15Z128CAD4R
MKL15Z128VFM4
MKL15Z128VFT4
MKL15Z128VLH4
MKL15Z128VLH4R
MKL15Z128VLK4

MKL15Z32VFM4
MKL15Z32VFM4R
MKL15Z32VFT4
MKL15Z32VLH4
MKL15Z32VLK4
MKL15Z64VFM4
MKL15Z64VFM4R
MKL15Z64VFT4
MKL15Z64VLH4
MKL15Z64VLK4
MKL24Z32VFM4
MKL24Z32VFT4
MKL24Z32VLH4
MKL24Z32VLK4
MKL24Z64VFM4
MKL24Z64VFT4
MKL24Z64VLH4
MKL24Z64VLK4
MKL25Z128VFM4
MKL25Z128VFT4
MKL25Z128VLH4
MKL25Z128VLK4
MKL25Z32VFM4
MKL25Z32VFT4
MKL25Z32VLH4
MKL25Z32VLK4
MKL25Z64VFM4
MKL25Z64VFT4
MKL25Z64VLH4
MKL25Z64VLK4

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AFFECTED CHANGE CATEGORIES

- DATASHEET

DESCRIPTION OF CHANGE

The MKL14ZxxVFM4, MKL14ZxxVFT4, MKL14ZxxVLH4, MKL14ZxxVLK4, MKL15ZxxVFM4, MKL15ZxxVFT4, MKL15ZxxVLH4, MKL15ZxxVLK4, MKL15Z128CAD4R, MKL24ZxxVFM4, MKL24ZxxVFT4, MKL24ZxxVLH4, MKL24ZxxVLK4, MKL25ZxxVFM4, MKL25ZxxVFT4, MKL25ZxxVLH4 and MKL25ZxxVLK4 Data Sheets have been updated to revision 5, with the following changes:

Updated related source and added block diagram in the front page
Updated Power consumption operating behaviors
Changed pin name from RESET_b to PTA20 and added RESET_b to ALT7 in KL24 Signal Multiplexing and Pin Assignments; and synchronized this in all the package pinout drawings (MKL24x only)
Updated the note in USB electrical specifications (MKL24x and MKL25X only)

The revision history included in the updated document provides a detailed description of the changes.

The MKL14ZxxVFM4, MKL14ZxxVFT4, MKL14ZxxVLH4, MKL14ZxxVLK4, MKL15ZxxVFM4, MKL15ZxxVFT4, MKL15ZxxVLH4, MKL15ZxxVLK4, MKL15Z128CAD4R, MKL24ZxxVFM4, MKL24ZxxVFT4, MKL24ZxxVLH4, MKL24ZxxVLK4, MKL25ZxxVFM4, MKL25ZxxVFT4, MKL25ZxxVLH4 and MKL25ZxxVLK4 Data Sheets can be found at

http://cache.freescale.com/files/32bit/doc/data_sheet/KL14P80M48SF0.pdf

http://cache.freescale.com/files/32bit/doc/data_sheet/KL15P80M48SF0.pdf

http://cache.freescale.com/files/32bit/doc/data_sheet/KL15P35M48SF0.pdf

http://cache.freescale.com/files/32bit/doc/data_sheet/KL24P80M48SF0.pdf

http://cache.freescale.com/files/32bit/doc/data_sheet/KL25P80M48SF0.pdf

REASON FOR CHANGE

The MKL14ZxxVFM4, MKL14ZxxVFT4, MKL14ZxxVLH4, MKL14ZxxVLK4, MKL15ZxxVFM4, MKL15ZxxVFT4, MKL15ZxxVLH4, MKL15ZxxVLK4, MKL15Z128CAD4R, MKL24ZxxVFM4, MKL24ZxxVFT4, MKL24ZxxVLH4, MKL24ZxxVLK4, MKL25ZxxVFM4, MKL25ZxxVFT4, MKL25ZxxVLH4 and MKL25ZxxVLK4 Data Sheets have been updated to provide new Idd values 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 [Service Request](#)
For sample inquiries - please go to www.freescale.com

QUAL DATA AVAILABILITY DATE: 05-Sep-2014

QUALIFICATION STATUS: COMPLETED

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:

[16438_KL14P80M48SF0_Rev.5.pdf](#)

[16438_KL15P35M48SF0_Rev.5.pdf](#)

[16438_KL15P80M48SF0_Rev.5.pdf](#)

[16438_KL24P80M48SF0_Rev.5.pdf](#)

[16438_KL25P80M48SF0_Rev.5.pdf](#)
