 FSL Logo

# PRODUCT BULLETIN
## Generic Copy

**ISSUE DATE:** 18-Apr-2012
**NOTIFICATION:** 15150
**TITLE:** ERRATA UPDATE FOR KINETIS
**EFFECTIVE DATE:** 19-Apr-2012

## DEVICE(S)

| MPN |
|-----|
| MK10DN512VLK10 |
| MK10DN512VLL10 |
| MK10DN512VLQ10 |
| MK10DN512VMD10 |
| MK10DN512ZAB10R |
| MK10DN512ZVLK10 |
| MK10DN512ZVLL10 |
| MK10DN512ZVLL10R |
| MK10DN512ZVLQ10 |
| MK10DN512ZVMB10 |
| MK10DN512ZVMC10 |
| MK10DN512ZVMC10R |
| MK10DN512ZVMD10 |
| MK10DX256VLQ10 |
| MK10DX256VMD10 |
| MK10DX256ZVLQ10 |
| MK10DX256ZVLQ10R |
| MK10DX256ZVMD10 |
| MK20DN512VLK10 |
| MK20DN512ZAB10R |
| MK20DN512ZVLK10 |
| MK20DN512ZVLL10 |
| MK20DN512ZVLQ10 |
| MK20DN512ZVLQ10R |
| MK20DN512ZVMB10 |
| MK20DN512ZVMC10 |
| MK20DN512ZVMD10 |
| MK20DX128ZVLQ10 |
| MK20DX256VLK10 |

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|---|
| MK20DX256ZVLK10 |
| MK20DX256ZVLL10 |
| MK20DX256ZVLQ10 |
| MK20DX256ZVMC10 |
| MK20DX256ZVMD10 |
| MK30DN512ZVLK10 |
| MK30DN512ZVLL10 |
| MK30DN512ZVLQ10 |
| MK30DN512ZVLQ10R |
| MK30DN512ZVMD10 |
| MK30DX256ZVLQ10 |
| MK30DX256ZVMD10 |
| MK40DN512VLK10 |
| MK40DN512VLL10 |
| MK40DN512VLQ10 |
| MK40DN512ZVLL10 |
| MK40DN512ZVLQ10 |
| MK40DN512ZVMD10 |
| MK40DX128ZVLQ10 |
| MK40DX256VLQ10 |
| MK40DX256VMD10 |
| MK40DX256ZVLQ10 |
| MK40DX256ZVMB10 |
| MK40DX256ZVMD10 |
| MK50DN512ZCLL10 |
| MK50DN512ZCLQ10 |
| MK50DX256ZCLL10 |
| MK50DX256ZCLQ10 |
| MK51DN512CLL10 |
| MK51DN512ZCLQ10 |
| MK51DX256ZCLL10 |
| MK51DX256ZCMC10 |
| MK52DN512ZCLQ10 |
| MK52DN512ZCMD10 |
| MK53DN512CMD10 |
| MK53DN512ZCLQ10 |
| MK53DN512ZCMD10 |
| MK53DX256CLQ10 |
| MK60DN256ZVLL10 |
| MK60DN256ZVLQ10 |
| MK60DN512VLL10 |

| MK60DN512VLQ10 |
| MK60DN512VMD10 |
| MK60DN512ZAB10R |
| MK60DN512ZCAB10R |
| MK60DN512ZVLL10 |
| MK60DN512ZVLQ10 |
| MK60DN512ZVLQ10R |
| MK60DN512ZVMC10 |
| MK60DN512ZVMD10 |
| MK60DX256VLL10 |
| MK60DX256VLQ10 |
| MK60DX256VMD10 |
| MK60DX256ZVLL10 |
| MK60DX256ZVLQ10 |
| MK60DX256ZVMC10 |
| MK60DX256ZVMD10 |

## AFFECTED CHANGE CATEGORIES

- DEVICE SPECIFICATION / ERRATA

## DESCRIPTION OF CHANGE

The Kinetis 100 MHz devices (4N30D mask set) errata documentation has been updated to include additional errata that have been identified. The updated version has been added to the freescale.com website at: http://cache.freescale.com/files/microcontrollers/doc/errata/KINETIS_4N30D.pdf.

| 4482 | PMC: STOP mode recovery unstable |
| 3981 | SDHC: ADMA fails when data length in the last descriptor is less or equal to 4 bytes |
| 3982 | SDHC: ADMA transfer error when the block size is not a multiple of four |
| 4624 | SDHC: AutoCMD12 and R1b polling problem |
| 3977 | SDHC: Does not support Infinite Block Transfer Mode |
| 4627 | SDHC: Erroneous CMD CRC error and CMD Index error may occur on sending new CMD during data transfer |
| 3980 | SDHC: Glitch is generated on card clock with software reset or clock divider change |
| 3983 | SDHC: Problem when ADMA2 last descriptor is LINK or NOP |
| 3978 | SDHC: Software can not clear DMA interrupt status bit after read operation |
| 3984 | SDHC: eSDHC misses SDIO interrupt when CINT is disabled |
| 2793 | I2C: MCU does not wake from STOP mode on subsequent address matches if previous address is mismatched |

## REASON FOR CHANGE

The errata documentation for the Kinetis 100 MHz devices has been updated.

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

There have been no changes made to the current production device.  The errata describe existing conditions identified on current production devices.  There are potential software and/or hardware implications to customers.

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### 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

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### QUAL DATA AVAILABILITY DATE:    08-Apr-2012

### QUALIFICATION STATUS:    COMPLETED

### QUALIFICATION PLAN:

   N/A

### RELIABILITY DATA SUMMARY:

   N/A

### ELECTRICAL CHARACTERISTIC SUMMARY:

   N/A

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### CHANGED PART IDENTIFICATION:

   N/A

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### ATTACHMENT(S):
External attachment(s) FOR this notification can be viewed AT:
15150_KINETIS_4N30D_3-29-12.pdf

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