



PRODUCT AND PROCESS CHANGE NOTIFICATION
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ISSUE DATE: 02-Oct-2012
NOTIFICATION: 15387
TITLE: Kinetis K Series 100MHz family 8N30D MASK REVISION
EFFECTIVE DATE: 31-Dec-2012

DEVICE(S)

MPN
KK60DN512ZAB10R
KK60DN512ZCAB10R
MK10DN512ZVLK10
MK10DN512ZVLK10R
MK10DN512ZVLL10
MK10DN512ZVLL10R
MK10DN512ZVLQ10
MK10DN512ZVMB10
MK10DN512ZVMB10R
MK10DN512ZVMC10
MK10DN512ZVMC10R
MK10DN512ZVMD10
MK10DX128ZVMD10
MK10DX128ZVMD10R
MK10DX256ZVLQ10
MK10DX256ZVLQ10R
MK10DX256ZVMD10
MK20DN512ZAB10R
MK20DN512ZCAB10R
MK20DN512ZVLK10
MK20DN512ZVLL10
MK20DN512ZVLQ10
MK20DN512ZVLQ10R
MK20DN512ZVMC10
MK20DN512ZVMC10R
MK20DN512ZVMD10
MK20DX128ZVLQ10
MK20DX256ZVLK10

MK20DX256ZVLL10
MK20DX256ZVLQ10
MK20DX256ZVLQ10R
MK20DX256ZVMC10
MK20DX256ZVMD10
MK30DN512ZVLK10
MK30DN512ZVLL10
MK30DN512ZVLQ10
MK30DN512ZVLQ10R
MK30DN512ZVMD10
MK30DX256ZVLQ10
MK30DX256ZVMD10
MK40DN512ZVLL10
MK40DN512ZVLQ10
MK40DN512ZVMD10
MK40DX128ZVLQ10
MK40DX128ZVMD10
MK40DX256ZVLQ10
MK40DX256ZVMB10
MK40DX256ZVMD10
MK50DN512ZCLL10
MK50DN512ZCLQ10
MK50DX256ZCLL10
MK50DX256ZCLQ10
MK51DN256ZCMD10
MK51DN512ZCLL10
MK51DN512ZCLQ10
MK51DN512ZCMC10
MK51DX256ZCLL10
MK51DX256ZCMB10
MK51DX256ZCMC10
MK52DN512ZCLQ10
MK52DN512ZCMD10
MK53DN512ZCLQ10
MK53DN512ZCMD10
MK53DX256ZCLQ10
MK53DX256ZCMD10
MK60DN256ZVLL10
MK60DN256ZVLQ10

MK60DN256ZVMD10
MK60DN512ZAB10R
MK60DN512ZCAB10R
MK60DN512ZVLL10
MK60DN512ZVLQ10
MK60DN512ZVLQ10R
MK60DN512ZVMC10
MK60DN512ZVMD10
MK60DX256ZVLL10
MK60DX256ZVLQ10
MK60DX256ZVMC10
MK60DX256ZVMD10

AFFECTED CHANGE CATEGORIES

- DESIGN CHANGE

DESCRIPTION OF CHANGE

Freescale Semiconductor is pleased to announce the qualification of 8N30D mask set for Kinetis K Series 100MHz product family.

With the enhancement made on this new mask set, the following errata have been eliminated:

1. Errata #4949 Reset and Boot: Device may not exit the power on reset (POR) event correctly with fast ramp-up slew rate.
2. Errata #4482 PMC: STOP mode recovery unstable.

REASON FOR CHANGE

Address errata listed above

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

No change to form, fit, function or reliability, only errata fix as described above.

Freescale will consider specific conditions of acceptance of this change submitted within 30 days of receipt of this notice on a case by case basis. 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: 26-Sep-2012

QUALIFICATION STATUS: COMPLETED

QUALIFICATION PLAN:

Refer to attached qualification report.

RELIABILITY DATA SUMMARY:

Refer to attached qualification report.

ELECTRICAL CHARACTERISTIC SUMMARY:

Electrical characterization was done and meets electrical specifications.

CHANGED PART IDENTIFICATION:

There is no change to the orderable part number, part marking for mask set information will be changed from 4N30D to 8N30D.

SAMPLE AVAILABILITY DATE: 26-Sep-2012

ATTACHMENT(S):

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

[15387_P2_144_MAPBGA_8N30D_CUSTOMER_Report_Published_Oct_1_2012_-_cab_approved.pdf](#)
