



## PRODUCT AND PROCESS CHANGE NOTIFICATION

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**ISSUE DATE:** 20-Feb-2014  
**NOTIFICATION:** 15993  
**TITLE:** MKL16/MKL26/MKL34/MKL36/MKL46Z256 New Maskset 1N40H Qualification  
**EFFECTIVE DATE:** 21-May-2014

### DEVICE(S)

MPN
MKL16Z256VLH4
MKL16Z256VMP4
MKL26Z128VLL4
MKL26Z128VMC4
MKL26Z256VLH4
MKL26Z256VLL4
MKL26Z256VMC4
MKL26Z256VMP4
MKL34Z64VLH4
MKL34Z64VLL4
MKL36Z128VLH4
MKL36Z128VLL4
MKL36Z128VMC4
MKL36Z256VLH4
MKL36Z256VLL4
MKL36Z256VLL4R
MKL36Z256VMC4
MKL36Z256VMP4
MKL36Z64VLH4
MKL36Z64VLL4
MKL46Z128VLH4
MKL46Z128VLL4
MKL46Z128VMC4
MKL46Z256VLH4
MKL46Z256VLL4
MKL46Z256VMC4
MKL46Z256VMP4

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**AFFECTED CHANGE CATEGORIES**

- DESIGN CHANGE

**DESCRIPTION OF CHANGE**

Freescale announces qualification of 1N40H maskset for the products listed in the notification. The updated errata documentation for 1N40H is attached to this notice and can be found at: [http://www.freescale.com/webapp/sps/site/prod\\_summary.jsp?code=KL4x&fpp=1&tab=Documentation\\_Tab](http://www.freescale.com/webapp/sps/site/prod_summary.jsp?code=KL4x&fpp=1&tab=Documentation_Tab)

Sample Part Number	Package Description
MKL46Z256VLL4	LQFP 100 14SQ1.4P0.5 C90
MKL46Z256VLH4	LQFP 64 10*10*1.4P0.5
MKL26Z256VMC4	MAP 121 8*8*0.8P0.65 2LY
MKL16Z256VMP4	MAP 64 5*5*1.23 P0.5 2LY

**REASON FOR CHANGE**

The new revision fixes E6665, E6609, E6060, E6580, E6395, remaining errata are E6396. Please refer to errata documents for mask sets 1N40H for details on which elements were fixed.

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

No form, fit, function or reliability change.

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According to JEDEC Standard JESD46, lack of acknowledgement of this PCN within 30 days will be considered acceptance of change. To request further data or inquire about the notification, please enter a [Service Request](#).

For sample inquiries - please go to [www.freescale.com](http://www.freescale.com)

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**QUAL DATA AVAILABILITY DATE:** 31-Dec-2013

**QUALIFICATION STATUS:** COMPLETED

**QUALIFICATION PLAN:**

Refer to attached qualification report.

**RELIABILITY DATA SUMMARY:**

Refer to attached qualification report.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Electrical characterization has no change and meets electrical specifications.

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**CHANGED PART IDENTIFICATION:**

There is no change to the orderable part number, part marking for mask set information will be changed from 0N40H to 1N40H

**SAMPLE AVAILABILITY DATE:** 20-Dec-2013

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**ATTACHMENT(S):**

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

[15993 L4K 100LQFP 1.1 POR fix qual report offical.pdf](#)

[15993 L4K POR fix.pdf](#)

[15993 KINETIS L 1N40H.pdf](#)

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