



PRODUCT AND PROCESS CHANGE NOTIFICATION

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ISSUE DATE: 15-May-2014
NOTIFICATION: 16187
TITLE: MKE02Z64/32/16 MASK SET 2N22J TSMC10 QUALIFICATION
EFFECTIVE DATE: 13-Aug-2014

DEVICE(S)

MPN
MKE02Z16VLC2
MKE02Z16VLD2
MKE02Z32VLC2
MKE02Z32VLD2
MKE02Z32VLD2R
MKE02Z32VLH2
MKE02Z32VQH2
MKE02Z64VLC2
MKE02Z64VLD2
MKE02Z64VLH2
MKE02Z64VQH2

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

AFFECTED CHANGE CATEGORIES

- DESIGN CHANGE
- FAB SITE

DESCRIPTION OF CHANGE

Freescall is pleased to announce the successful completion of the MKE02z64/32/16 (mask set 2N22J) qualification at Taiwan Semiconductor Manufacturing Co(TSMC) Fab10, located in Shanghai, China. The MKE02Z64/32/16 (mask set 0N22J) is currently being manufactured Fab11 in the Camas, WA, USA.

With new mask set 2N22J qualified in TSMC10, errata E6946,E6945,E6949,E7331 on 0N22J were fixed, the updated errata documentation for 2N22J can be found at: http://www.freescall.com/webapp/sps/site/prod_summary.jsp?code=KE02&nodeId=01624698C90DE4&fpp=1&tab=Documentation_Tab.

Table below provides the sample part number.

Part number	Package
KKE02Z64VLC2	LQFP 32 7*7*1.4P0.8
KKE02Z64VLD2	LQFP 44 10*10*1.4P0.8
KKE02Z64VLH2	LQFP 64 10*10*1.4P0.5
KKE02Z64VQH2	QFP 64 14*14*2.2P0.8

REASON FOR CHANGE

The Fab manufacturing site capacity expansion to TSMC Fab10 in Shanghai, will improve Freescall's ability to meet customer demand.

The release and implementation of 2N22J is to fix errata on 0N22J.

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

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

QUAL DATA AVAILABILITY DATE: 27-Mar-2014

QUALIFICATION STATUS: COMPLETED

QUALIFICATION PLAN:

Refer to attached qualification report.

RELIABILITY DATA SUMMARY:

Refer to attached qualification report.

ELECTRICAL CHARACTERISTIC SUMMARY:

No change was made to the operating performance of the device. Electrical characterization of the device is enclosed.

CHANGED PART IDENTIFICATION:

There is no change to the orderable part number, part marking for mask set information will be changed from 0N22J for TSMC Fab11 to 2N22J for TSMC10.

SAMPLE AVAILABILITY DATE: 07-Apr-2014

ATTACHMENT(S):

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

[16187_TSMC10_MA64_Qual_Report-official.pdf](#)

[16187_MA64_Fab10_rev1_2_ED_Report.pdf](#)

[16187_KINETIS_E_2N22J_Errata.pdf](#)
