



## PRODUCT AND PROCESS CHANGE NOTIFICATION

Generic Copy

**This notice is Freescale Confidential Proprietary and is only intended for the customer listed on this notification.**

**ISSUE DATE:** 23-Jan-2015  
**NOTIFICATION:** 16571  
**TITLE:** QFN 3x3, 4x4, 5x5 and 7x7 Assembly Site Expand to United Test and Assembly Center Ltd  
**EFFECTIVE DATE:** 23-Apr-2015

### DEVICE(S)

MPN
CRTOUCHB10VFM
MC56F82323VFM
MC56F82723VFM
MC56F82733VFM
MC56F82743VFM
MCF51JF32VFM
MCF51JU32VFM
MCF51QM32VFM
MCF51QU32VFM
MK02FN128VFM10
MK02FN64VFM10
MK10DN128VFM5
MK10DN128VFT5
MK10DN32VFM5
MK10DN32VFT5
MK10DN64VFM5
MK10DN64VFT5
MK10DX128VFM5
MK10DX128VFT5
MK10DX32VFM5
MK10DX32VFT5
MK10DX64VFM5
MK10DX64VFT5
MK20DN128VFM5

MK20DN128VFT5
MK20DN32VFM5
MK20DN32VFT5
MK20DN64VFM5
MK20DN64VFT5
MK20DX128VFM5
MK20DX128VFT5
MK20DX32VFM5
MK20DX32VFT5
MK20DX64VFM5
MK20DX64VFT5
MKE02Z16VFM4
MKE02Z32VFM4
MKE02Z64VFM4
MKE04Z8VFK4
MKL02Z16VFG4
MKL02Z16VFG4R
MKL02Z16VFK4
MKL02Z16VFM4
MKL02Z32VFG4
MKL02Z32VFG4R
MKL02Z32VFK4
MKL02Z32VFK4R
MKL02Z32VFM4
MKL02Z32VFM4R
MKL02Z8VFG4
MKL02Z8VFG4R
MKL03Z16VFG4
MKL03Z16VFK4
MKL03Z32VFG4
MKL03Z32VFK4
MKL03Z8VFG4
MKL03Z8VFG4R
MKL03Z8VFK4
MKL04Z16VFK4
MKL04Z16VFM4
MKL04Z32VFK4
MKL04Z32VFK4R

MKL04Z32VFM4
MKL04Z32VFM4R
MKL04Z8VFK4
MKL04Z8VFM4
MKL05Z16VFK4
MKL05Z16VFM4
MKL05Z32VFK4
MKL05Z32VFM4
MKL05Z32VFM4R
MKL05Z8VFK4
MKL05Z8VFM4
MKL14Z32VFM4
MKL14Z32VFT4
MKL14Z64VFM4
MKL14Z64VFM4R
MKL14Z64VFT4
MKL14Z64VFT4R
MKL15Z128VFM4
MKL15Z128VFM4R
MKL15Z128VFT4
MKL15Z32VFM4
MKL15Z32VFM4R
MKL15Z32VFT4
MKL15Z64VFM4
MKL15Z64VFM4R
MKL15Z64VFT4
MKL16Z128VFM4
MKL16Z128VFM4R
MKL16Z128VFT4
MKL16Z128VFT4R
MKL16Z32VFM4
MKL16Z32VFT4
MKL16Z32VFT4R
MKL16Z64VFM4
MKL16Z64VFM4R
MKL16Z64VFT4
MKL17Z128VFM4
MKL17Z128VFT4

MKL17Z256VFM4
MKL17Z256VFT4
MKL24Z32VFM4
MKL24Z32VFT4
MKL24Z64VFM4
MKL24Z64VFT4
MKL25Z128VFM4
MKL25Z128VFT4
MKL25Z32VFM4
MKL25Z32VFT4
MKL25Z64VFM4
MKL25Z64VFT4
MKL26Z128VFM4
MKL26Z128VFT4
MKL26Z32VFM4
MKL26Z32VFT4
MKL26Z64VFM4
MKL26Z64VFT4
MKL26Z64VFT4R
MKL27Z128VFM4
MKL27Z128VFT4
MKL27Z256VFM4
MKL27Z256VFT4
MKV10Z16VFM7
MKV10Z32VFM7
MKV30F128VFM10
MKV30F64VFM10
MWCT1000CFM
MWCT1012CFM
MWCT1200CFM
MWCT1212CFM
MWPR1516CFM

---

**This notice is Freescale Confidential Proprietary and is only intended for the customer listed on this notification.**

**AFFECTED CHANGE CATEGORIES**

- ASSEMBLY SITE

## **DESCRIPTION OF CHANGE**

Freescale Semiconductor is announcing the assembly site expansion for the products listed in this notification from the current Freescale Tianjin Final Manufacturing (TJNFM), Tianjin, China and Advanced Semiconductor Engineering Chungli (ASECL), Taiwan to the United Test and Assembly Center Ltd (UDG), Dongguan, China Facility. Freescale qualified a new tray UBOT UF04041.01435XA for QFN MAP 24 4\*4\*1 P0.5 and QFN MAP 24 4\*4\*0.65 P0.5 packages.

Table below provides the sample part number:

Table

Freescale Part Number	Sample Part Number from UDG	Package Description
MKL27Z256VFT4	PKL13Z256VFT4	QFN MAP 48 7*7*0.65 P0.5
MWPR1516CFM	PWPR1516CFM	QFN 32 5*5*0.65 P0.5
MKL02Z32VFG4	PKL02Z32VFG4	QFN-EP 16 3*3*0.65 P0.5
MKE04Z8VFK4	PKE04Z8VFK4	QFN MAP 24 4*4*1 P0.5
MK20DX128VFT5	PK10DX128VFT5	QFN 48 EP 7SQ*1.0P0.5

## **REASON FOR CHANGE**

Qualification of the Nantong Fujitsu Microelectronics Co., Ltd. (NFME), Nantong, China assembly Facility to improve manufacturing flexibility and customer support.

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

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

---

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)

---

**QUAL DATA AVAILABILITY DATE:** 19-Feb-2015

**QUALIFICATION STATUS:** IN PROCESS

**QUALIFICATION PLAN:**

Freescale Semiconductor Manufacturing standard specification for assembly transfers was followed for the Assembly Transfer.

**RELIABILITY DATA SUMMARY:**

Will provide upon request.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

No change was made to the operating performance of the device. Electrical characterization of the device was not required.

---

**CHANGED PART IDENTIFICATION:**

The assembly site, among other information, is reflected in the QFN7\*7 package trace code.

The current assembly site marking for site1 TJNFM is A=CT and site2 ASECL is A = X.

The marking for proposed assembly site3 UDG is A= CR.

**SAMPLE AVAILABILITY DATE:** 24-Dec-2014

---

**ATTACHMENT(S):**

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

[16571\\_35100193-x\\_QFN4X4\\_UBOT.pdf](#)

[16571\\_The\\_difference\\_between\\_QFN4x4\\_ITW\\_and\\_Ubot\\_Tray.pdf](#)

---