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**PRODUCT AND PROCESS CHANGE NOTIFICATION**  
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ISSUE DATE: 04-Nov-2013  
NOTIFICATION: 15686  
TITLE: 7x7x1.0 mm QFN TRAY CHANGE – POCKET DESIGN CHANGE  
EFFECTIVE DATE: 02-Feb-2014

**DEVICE(S)**

MPN
KMC9S08GT16CFD
MC13233C
MC13234CHT
MC13237CHT
MC33742PEP
MC34704AEP
MC34704BEP
MC9RS08LA8CFT
MC9S08AC16CFDE
MC9S08AC16MFDE
MC9S08AC32CFDE
MC9S08AC32MFDE
MC9S08AC48CFDE
MC9S08AC60CFDE
MC9S08AC60MFDE
MC9S08AC8CFDE
MC9S08AC8MFDE
MC9S08AW16CFDE
MC9S08AW16MFDE
MC9S08AW32CFDE
MC9S08AW48CFDE

MC9S08AW60CFDE
MC9S08AW60MFDE
MC9S08GT16ACFDE
MC9S08GT16ACFS
MC9S08GT16AMFDE
MC9S08GT16AMFS
MC9S08GT32ACFDE
MC9S08GT60ACFDE
MC9S08GT8ACFDE
MC9S08GT8AMFDE
MC9S08GT8AMFS
MC9S08JM16CGT
MC9S08JM32CGT
MC9S08JM60CGT
MC9S08JM8CGT
MC9S08LL16CGT
MC9S08LL8CGT
MC9S08QE128CFT
MC9S08QE16CFT
MC9S08QE32CFT
MC9S08QE64CFT
MC9S08QE96CFT
MC9S08RE16CFDE
MC9S12P32CFT
MC9S12P32MFT
MC9S12P64CFT
MC9S12P96MFT
MCF51CN128CGT
MCHC908JW16FC
MCHC908JW32FC
MK10DN128VFT5
MK10DN32VFT5
MK10DN64VFT5
MK10DX128VFT5
MK10DX32VFT5
MK10DX64VFT5
MK20DN128VFT5

MK20DN32VFT5
MK20DN64VFT5
MK20DX128VFT5
MK20DX32VFT5
MK20DX64VFT5
MKL14Z32VFT4
MKL14Z64VFT4
MKL15Z128VFT4
MKL15Z32VFT4
MKL15Z64VFT4
MKL16Z128VFT4
MKL16Z32VFT4
MKL16Z64VFT4
MKL24Z32VFT4
MKL24Z64VFT4
MKL25Z128VFT4
MKL25Z32VFT4
MKL25Z64VFT4
MKL26Z128VFT4
MKL26Z32VFT4
MKL26Z64VFT4
S9S08AW16AE0CFT
S9S08AW16AE0MFT
S9S08AW16AE0VFT
S9S08AW16AE1CFT
S9S08AW16AE1MFT
S9S08AW16AE1VFT
S9S08AW16E5CFDE
S9S08AW16E7CFDE
S9S08AW32E5CFDE
S9S08AW32E7CFDE
S9S08AW32E7VFDE
S9S08AW48E5VFDE
S9S08AW60E5MFDE
S9S12GN16F0CFT
S9S12GN32F0CFT
S9S12GN32F0MFT

S9S12GN32F0VFT
S9S12P128J0CFT
S9S12P128J0MFT
S9S12P128J0VFT
S9S12P32J0CFT
S9S12P32J0MFT
S9S12P32J0VFT
S9S12P64J0CFT
S9S12P64J0MFT
S9S12P64J0VFT
S9S12P96J0CFT
S9S12P96J0MFT
S9S12P96J0VFT
SCDADRACFT
SCS8AC96EAMFTE

#### **AFFECTED CHANGE CATEGORIES**

- SHIPPING/PACKAGING MATERIALS

#### **DESCRIPTION OF CHANGE**

Freescale is pleased to announce an improved shipment tray design for the devices listed in this notification. The new tray has an improved pocket design which minimizes the rotational free play for the device whilst in the tray.

The pocket depth / z-seating plane is 0.15mm deeper on the new versus the old design.

The above changes may affect some customers pick and place machines. Customers are encouraged to review the attached presentation.

#### **REASON FOR CHANGE**

The new tray has an improved pocket design which minimizes the rotational free play for the device whilst in the tray.

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

There is no impact of the change on form, fit, function or quality of the device itself.

The changes of the tray design may have an impact on some customers pick and place machine

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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](http://www.freescale.com)

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**QUAL DATA AVAILABILITY DATE:** 28-Jun-2013

**QUALIFICATION STATUS:** COMPLETED

**QUALIFICATION PLAN:**

See attached qualification results.

**RELIABILITY DATA SUMMARY:**

See attached qualification results.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

N/A

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**CHANGED PART IDENTIFICATION:**

There is no change to the Freescale orderable part number.

The old tray has the following marking: "TX QFN0707 1.0 1026 6 REV.D" and the ITW tray "ITW 40707-15-1026-9"

The new tray has the following marking: "TX QFN0707 1.0 1026 6 REV.H"

**SAMPLE AVAILABILITY DATE:** 21-Jun-2013

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**ATTACHMENT(S):**

External attachment(s) for this notification can be viewed at:  
[15686 QFN 7x7 tray change proposal PCN.pdf](#)

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