



## Final Product Change Notification

201610030F01

**Issue Date:** 19-Dec-2016  
**Effective Date:** 19-Mar-2017

Here's your personalized quality information concerning products Digi-Key purchased from NXP. For detailed information we invite you to view this notification online



# QUALITY

### Management Summary

NANTONG FUJITSU MICROELECTRONICS CO.,LTD, Nantong, China (NFME) assembly site was qualified for C90 TFS LQFP 20x20 to improve manufacturing flexibility by adding an additional assembly site.

### Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Location	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Process	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input checked="" type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Electrical spec./Test coverage

**C90 TFS LQFP20X20 Assembly Site Expansion to Nantong Fujitsu Microelectronics Co. Ltd**

### Details of this Change

NXP Semiconductor is announcing the assembly site expansion for the C90 TFS LQFP20X20 from the current NXP Kuala Lumpur Final Manufacturing, KUALA LUMPUR, MALAYSIA (ATKL) and ASE-CL, CHUNG-LI, TAIWAN (ASECHUNG) assembly Facility to the NANTONG FUJITSU MICROELECTRONICS CO.,LTD, Nantong, China (NFME) assembly Facility. The change to expand the assembly site also includes a change in mold compound and die attach epoxy as shown in attachment "C90 TFS LQFP 20x20 Assembly BOM change.pdf"

### Why do we Implement this Change

Qualification of the NANTONG FUJITSU MICROELECTRONICS CO. LTD, Nantong, China (NFME), assembly facility ensures manufacturing flexibility and customer supply assurance.

### Identification of Affected Products

Top side marking  
Refer to Remarks section for details

### Product Availability

### Sample Information

Samples are available upon request

### **Production**

Planned first shipment 20-Mar-2017

#### **Impact**

There is no impact to product form, fit, function, or reliability.

### **Data Sheet Revision**

No impact to existing datasheet

### **Disposition of Old Products**

NXP will reserve the right to ship from any location based on market demand situation.

#### **Timing and Logistics**

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 18-Jan-2017.

#### **Remarks**

There is no change to orderable part number

The assembly site, among other information, is reflected in the package trace code.

The format for the NXP standard trace code: ATWLYYWWZ is the following:

A=Assembly Site, T=Test Site, WL=Wafer Lot, YY=Year, WW=Work Week, Z= Assembly Split Lot.

The current assembly site marking for ATKL is A=Q, ASECHUNG is A=X.

The marking for proposed assembly site NFME is A=XN.

NFME LQFP 20x20 144L has two Eject Pins Dot while ASECHUNG has two and ATKL has three. Detailed information is shown in attachment "NFME LQFP20x20 144L top package surface comparison .pdf"

#### **Contact and Support**

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

**Name** Yue Su

**Position** Product Engineer

**e-mail address** yue.su@nxp.com

At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

Customer Focus, Passion to Win.

NXP Quality Management Team.

#### **About NXP Semiconductors**

NXP Semiconductors N.V. (NASDAQ: NXPI) provides High Performance Mixed Signal and Standard Product solutions that leverage its leading RF, Analog, Power Management, Interface, Security and Digital Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

You have received this email because you are a designated contact or subscribed to NXP Quality Notifications. NXP shall not be held liable if this Notification is not correctly distributed within your organization.

This message has been automatically distributed. Please do not reply.

[NXP | Privacy Policy | Terms of Use](#)

NXP Semiconductors

High Tech Campus, 5656 AG Eindhoven, The Netherlands

© 2006-2010 NXP Semiconductors. All rights reserved.

Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Name	Status	Product Line
MK24FN1M0VLQ12	935315205557	MK24FN1M0VLQ12	K60-1M	LQFP144	RFS	BL Microcontrollers FSL
MK60DX256ZVLQ10	935325601557	MK60DX256ZVLQ10	KINETIS 256K FLEX ENET	LQFP144	RFS	BL Microcontrollers FSL
MK22FN1M0AVLQ12	935324971557	MK22FN1M0AVLQ12	K20 1MB 120Mhz	LQFP144	RFS	BL Microcontrollers FSL
MK10DN512ZVLQ10	935325603557	MK10DN512ZVLQ10	Kinetis 512K	LQFP144	RFS	BL Microcontrollers FSL
MK60FN1M0VLQ12	935318272557	MK60FN1M0VLQ12	Kinetis 1MB Ethnet USB	LQFP144	RFS	BL Microcontrollers FSL
MK30DN512VLQ10	935319964557	MK30DN512VLQ10	KINETIS 512K	LQFP144	RFS	BL Microcontrollers FSL
MK26FN2M0VLQ18	935320696557	MK26FN2M0VLQ18	Kinetis K 32-bit MCU	LQFP144	RFS	BL Microcontrollers FSL
MK20DN512ZVLQ10	935321706557	MK20DN512ZVLQ10	Kinetis 512K USB	LQFP144	RFS	BL Microcontrollers FSL
MK21FX512VLQ12	935315086557	MK21FX512VLQ12	K20 1MB 120Mhz	LQFP144	RFS	BL Microcontrollers FSL
MK20DX256VLQ10	935317667557	MK20DX256VLQ10	KINETIS 256K FLEX	LQFP144	RFS	BL Microcontrollers FSL
MK22FX512AVLQ12	935323693557	MK22FX512AVLQ12	K20 1MB 120Mhz	LQFP144	RFS	BL Microcontrollers FSL
MK53DX256CLQ10	935324545557	MK53DX256CLQ10	KINETIS 256K MED LCD ENE	LQFP144	RFS	BL Microcontrollers FSL
MK60FN1M0VLQ15	935323254557	MK60FN1M0VLQ15	Kinetis 1MB Ethnet USB	LQFP144	RFS	BL Microcontrollers FSL
MK20DN512VLQ10	935323298557	MK20DN512VLQ10	KINETIS 512K	LQFP144	RFS	BL Microcontrollers FSL
MK50DN512CLQ10	935324578557	MK50DN512CLQ10	KINETIS 512K	LQFP144	RFS	BL Microcontrollers FSL
MK22FX512VLQ12	935312994557	MK22FX512VLQ12	K20 1MB 120Mhz	LQFP144	RFS	BL Microcontrollers FSL
MK22FN1M0VLQ12	935320787557	MK22FN1M0VLQ12	K20 1MB 120Mhz	LQFP144	RFS	BL Microcontrollers FSL
MK40DN512VLQ10	935323263557	MK40DN512VLQ10	Kinetis 512K USB LCD	LQFP144	RFS	BL Microcontrollers FSL
MK10DN512VLQ10	935324542557	MK10DN512VLQ10	Kinetis 512K	LQFP144	RFS	BL Microcontrollers FSL
MKV58F1M0VLQ24	935316348557	MKV58F1M0VLQ24	32-bit MCU, ARM Cortex	LQFP144	RFS	BL Microcontrollers FSL
MK10FN1M0VLQ12	935317613557	MK10FN1M0VLQ12	Kinetis Base 1MB	LQFP144	RFS	BL Microcontrollers FSL
MK20FX512VLQ12	935317626557	MK20FX512VLQ12	Kinetis 512K USB	LQFP144	RFS	BL Microcontrollers FSL
MK40DN512ZVLQ10	935319775557	MK40DN512ZVLQ10	Kinetis 512K USB LCD	LQFP144	RFS	BL Microcontrollers FSL
MK21FN1M0AVLQ12	935320507557	MK21FN1M0AVLQ12	K20 1MB 120Mhz	LQFP144	RFS	BL Microcontrollers FSL
MK20FN1M0VLQ12	935321743557	MK20FN1M0VLQ12	Kinetis 1MB USB	LQFP144	RFS	BL Microcontrollers FSL
MK21FX512AVLQ12	935322198557	MK21FX512AVLQ12	K20 1MB 120Mhz	LQFP144	RFS	BL Microcontrollers FSL
MK60DN512ZVLQ10	935310931557	MK60DN512ZVLQ10	Kinetis 512K enet	LQFP144	RFS	BL Microcontrollers FSL
MK53DN512ZCLQ10	935319842557	MK53DN512ZCLQ10	KINETIS 512K SLCD+Ethnet	LQFP144	RFS	BL Microcontrollers FSL
MK60DN512VLQ10	935321729557	MK60DN512VLQ10	Kinetis 512K enet	LQFP144	RFS	BL Microcontrollers FSL
MK10FX512VLQ12	935321736557	MK10FX512VLQ12	Kinetis Base 1MB	LQFP144	RFS	BL Microcontrollers FSL
MK10DX256VLQ10	935324543557	MK10DX256VLQ10	KINETIS 256K FLEX	LQFP144	RFS	BL Microcontrollers FSL
MK40DX256VLQ10	935311018557	MK40DX256VLQ10	KINETIS 256K FLEX USB LCD	LQFP144	RFS	BL Microcontrollers FSL
MK20DX128VLQ10	935314779557	MK20DX128VLQ10	KINETIS 128K FLEX	LQFP144	RFS	BL Microcontrollers FSL
MK30DX256VLQ10	935314794557	MK30DX256VLQ10	KINETIS 256K Flex	LQFP144	RFS	BL Microcontrollers FSL
MK64FX512VLQ12	935315204557	MK64FX512VLQ12	K60-1M	LQFP144	RFS	BL Microcontrollers FSL
MK60FX512VLQ15	935317611557	MK60FX512VLQ15	Kinetis 512K Ethnet USB	LQFP144	RFS	BL Microcontrollers FSL
MK60FX512VLQ12	935317615557	MK60FX512VLQ12	Kinetis 512K Ethnet USB	LQFP144	RFS	BL Microcontrollers FSL
MK10DX128VLQ10	935317671557	MK10DX128VLQ10	KINETIS 128K FLEX	LQFP144	RFS	BL Microcontrollers FSL
MK10DX256ZVLQ10	935319788557	MK10DX256ZVLQ10	Kinetis 256Kflex	LQFP144	RFS	BL Microcontrollers FSL
MK52DN512CLQ10	935319948557	MK52DN512CLQ10	KINETIS 512K	LQFP144	RFS	BL Microcontrollers FSL
MK53DN512CLQ10	935319956557	MK53DN512CLQ10	KINETIS 512K	LQFP144	RFS	BL Microcontrollers FSL
MK51DN512CLQ10	935319969557	MK51DN512CLQ10	KINETIS 512K	LQFP144	RFS	BL Microcontrollers FSL
MK21FN1M0VLQ12	935320049557	MK21FN1M0VLQ12	K20 1MB 120Mhz	LQFP144	RFS	BL Microcontrollers FSL
MK66FN2M0VLQ18	935322446557	MK66FN2M0VLQ18	Kinetis K 32-bit MCU	LQFP144	RFS	BL Microcontrollers FSL
MK60DX256VLQ10	935324544557	MK60DX256VLQ10	KINETIS 256K FLEX ENET	LQFP144	RFS	BL Microcontrollers FSL
MK60DN256VLQ10	935324572557	MK60DN256VLQ10	KINETIS 256K	LQFP144	RFS	BL Microcontrollers FSL
MK64FN1M0VLQ12	935324728557	MK64FN1M0VLQ12	K60-1M	LQFP144	RFS	BL Microcontrollers FSL