



## PRODUCT AND PROCESS CHANGE NOTIFICATION

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**ISSUE DATE:** 09-Dec-2015  
**NOTIFICATION:** 16958  
**TITLE:** C90TFS MAPBGA PACKAGE (5X5, 8X8) ASSEMBLY SITE EXPAND TO UNITED TEST AND ASSEMBLY CENTER LTD  
**EFFECTIVE DATE:** 08-Mar-2016

### DEVICE(S)

MPN
MK10DN128VMP5
MK10DN32VMP5
MK10DN512VMC10
MK10DN512VMC10R
MK10DN512ZVMC10
MK10DN64VMP5
MK10DX128VMC7
MK10DX128VMC7R
MK10DX128VMP5
MK10DX256VMC7
MK10DX32VMP5
MK10DX64VMC7
MK10DX64VMP5
MK11DN512AVMC5
MK11DN512VMC5
MK11DX128AVMC5
MK11DX128VMC5
MK11DX256AVMC5
MK11DX256VMC5
MK12DN512VMC5
MK12DX128VMC5
MK12DX256VMC5
MK20DN128VMP5
MK20DN32VMP5

MK20DN512VMC10
MK20DN512ZVMC10
MK20DN512ZVMC10R
MK20DN64VMP5
MK20DX128VMC7
MK20DX128VMP5
MK20DX256VMC10
MK20DX256VMC7
MK20DX256VMC7R
MK20DX256ZVMC10
MK20DX32VMP5
MK20DX64VMC7
MK20DX64VMP5
MK21DN512AVMC5
MK21DN512AVMC5R
MK21DN512VMC5
MK21DX128AVMC5
MK21DX128VMC5
MK21DX256AVMC5
MK21DX256AVMC5R
MK21DX256VMC5
MK21FN1M0AVMC12
MK21FN1M0AVMC12R
MK21FN1M0VMC12
MK21FX512AVMC12
MK21FX512VMC12
MK22DN512VMC5
MK22DX128VMC5
MK22DX256VMC5
MK22FN128VMP10
MK22FN1M0AVMC12
MK22FN1M0VMC12
MK22FN1M0VMC12R
MK22FN256VMP12
MK22FN512VMP12
MK22FX512AVMC12
MK22FX512VMC12
MK22FX512VMC12R

MK30DX128VMC7
MK30DX256VMC7
MK30DX64VMC7
MK40DX128VMC7
MK40DX256VMC7
MK40DX64VMC7
MK50DN512CMC10
MK50DX128CMC7
MK50DX256CMC10
MK50DX256CMC7
MK51DN512CMC10
MK51DN512ZCMC10
MK51DX128CMC7
MK51DX256CMC10
MK51DX256CMC7
MK51DX256ZCMC10
MK60DN256VMC10
MK60DN512VMC10
MK60DN512VMC10R
MK60DN512ZVMC10
MK60DX256VMC10
MK60DX256ZVMC10
MKL16Z256VMP4
MKL16Z256VMP4R
MKL17Z128VMP4
MKL17Z128VMP4R
MKL17Z256VMP4
MKL17Z256VMP4R
MKL26Z128VMC4
MKL26Z256VMC4
MKL26Z256VMC4R
MKL26Z256VMP4
MKL27Z128VMP4
MKL27Z256VMP4
MKL33Z128VMP4
MKL33Z256VMP4
MKL36Z128VMC4
MKL36Z256VMC4

MKL36Z256VMP4
MKL43Z128VMP4
MKL43Z256VMP4
MKL46Z128VMC4
MKL46Z256VMC4
MKL46Z256VMP4

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### **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, China (FSL-TJN-FM) assembly Facility to the Subcon UDG (United Test and Assembly Center Ltd), Dongguan, China assembly Facility.

### **REASON FOR CHANGE**

Qualification of the Subcon UDG (United Test and Assembly Center Ltd), Dongguan, China assembly Facility to ensure manufacturing flexibility and customer supply assurance.

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

There is no impact to 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:** 05-Feb-2016

**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 Will provide upon request.

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**CHANGED PART IDENTIFICATION:**

The assembly site, among other information, is reflected in the MAPBGA 5\*5 and 8\*8 package trace code.

The current assembly site marking for FSL-TJN-FM is A=CT.

The marking for proposed assembly UDG is A=CR.

Below sample parts from UDG are available for customer to order through the Service Request system. Other samples on PCN device list, need 4 weeks cycle time for delivery from customer ordering date.

Freescle Part Number	Sample Part Number from UDG	Package Description
MK21DN512AVMC5	PK21DN512AVMC5	MAPBGA 121 8*8*1.4 P0.65
MK22FN512VMP12	PK22FN512VMP12	MAP 64 5*5*1.23 P0.5 2LY

**SAMPLE AVAILABILITY DATE:** 05-Nov-2015

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**ATTACHMENT(S):**

N/A

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