

**FREESCALE**

Freescale Semiconductor, Inc.

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**PRODUCT AND PROCESS CHANGE NOTIFICATION**  
Customer Copy

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**ISSUE DATE:** 01-Dec-2015  
**ATTN:** DIGI-KEY CORPORATION  
**NOTIFICATION:** 17027  
**TITLE:** LS1024A (C2K) Qualification of Additional Assembly Site of Amkor Taiwan  
**EFFECTIVE DATE:** 29-Feb-2016  
**SALES CONTACT:** Scott Johnson  
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Phone Number: 512-660-8291

**CUSTOMER(S)**

DIGI-KEY CORP.  
(DIGIK)  
701 BROOKS AV SOUTH  
  
THIEF RIVER FALLS MN  
56701 USA

**DEVICE(S)**

<b>CPN</b>	<b>MPN</b>
LS1024ASE7MLA	LS1024ASE7MLA

**CUSTOMER(S)**

DIGI-KEY CORPORATION  
(RSGJF)  
701 BROOKS AV SOUTH  
  
THIEF RIVER FLS MN  
56701 USA

**DEVICE(S)**

CPN	MPN
LS1024ASE7MLA	LS1024ASE7MLA

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**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 is pleased to announce an additional assembly site qualification for the LS1024A (C2K) product family at Amkor Taiwan.

After qualification completion, the LS1024A product family can be assembled at either Amkor Taiwan or Amkor Korea.

Upon a successful qualification completion at Amkor Taiwan, the LS1024A product family will be JEDEC classified at a Moisture Sensitivity Level (MSL) rating of MSL3 250C. This rating will be indicated in the qualification report and on the MPN shipping labels.

Pre-production samples are orderable as PM86291G12 and will be available starting 11-Dec-2015. Qualified samples are orderable as KM86291G12 and will be available starting 29-Jan-2015. Sample orders can be submitted through the normal ordering channels.

**REASON FOR CHANGE**

The addition of Amkor Taiwan as an assembly site will provide improved manufacturing flexibility and supply assurance.

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

The only change to form, fit, function, or reliability is assembly trace code marking letter to indicate assembly site location.

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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)

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**QUAL DATA AVAILABILITY DATE:** 29-Jan-2016

**QUALIFICATION STATUS:** IN PROCESS

**QUALIFICATION PLAN:**

Freescale manufacturing standard specifications for assembly qualification were followed for the Amkor Taiwan assembly qualification.

**RELIABILITY DATA SUMMARY:**

The final LS1024A qualification report, which will include the Amkor Taiwan reliability results, will be available upon request approximately 60 days after the issuance of this notification.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

No changes to electrical performance will result from the addition of an assembly site.

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**CHANGED PART IDENTIFICATION:**

Freescale trace codes have embedded data, which allows for traceability to the manufacturing site. The format for the LS1024A trace code is "ATWLYYWW", where A indicates the assembly site. The current assembly site marking for Amkor Korea is A="SB". The marking for the assembly site Amkor Taiwan is A="UY".

**SAMPLE AVAILABILITY DATE:** 01-Dec-2015

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**ATTACHMENT(S):**

N/A

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