



## PRODUCT AND PROCESS CHANGE NOTIFICATION UPDATE

Generic Copy

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

**ISSUE DATE:** 19-Dec-2014  
**NOTIFICATION:** 16158B  
**TITLE:** Pre-Alert Update - SENSOR AIRBAG ACCELEROMETER 6X6 QFN ASSEMBLY TRANSFER FROM AMKOR KOREA K1 TO AMKOR PHILIPPINES P3 FACILITY  
**EFFECTIVE DATE:** 15-Oct-2015

### DEVICE(S)

MPN
MMA1618KWR2
MMA1631NKWR2
MMA1725WR2
MMA2612KWR2
MMA2612NKWR2
MMA2631NKWR2
MMA2702WR2
MMA2712WR2
MMA2718JWR2
MMA2718WR2
MMA2725JWR2
MMA2725WR2
MMA2737WR2
MMA5106KWR2
MMA5106LWR2
MMA5112KWR2
MMA5112LWR2
MMA5124KWR2
MMA5148KWR2
MMA5206KWR2
MMA5212AKWR2
MMA5212KWR2
MMA5224AKWR2

MMA5224KWR2
MMA5224LWR2
MMA5248KWR2
MMA5248LWR2
MMA6519KWR2
MMA6525KWR2
MMA6527KWR2
MMA6555KWR2
MMA6556KWR2
MMA6801KWR2
MMA6811BKWR2
MMA6811KWR2
MMA6813BKWR2
MMA6813KWR2
MMA6821BKWR2
MMA6821KWR2
MMA6823BKWR2
MMA6823KWR2
MMA6825BKWR2
MMA6825KWR2
MMA6826BKWR2
MMA6826KWR2
MMA6827BKWR2
MMA6827KWR2
MMA6851BKWR2
MMA6852KWR2
MMA6853BKWR2
MMA6853KWR2
MMA6854KWR2
MMA6855BKWR2

---

**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 transfer of its 6x6 QFN sensor accelerometers from the current Amkor Korea K1 assembly facility to the Amkor Philippines P3 assembly facility. The mold compound will also be changed.

This update to the pre-alert for the assembly site transfer to the Amkor Philippines P3 assembly facility is to provide the information on the key milestone dates associated with this transfer.

The key milestone dates are:

1. Final product qual assembly - 4/20/2015
2. Final product qual final test - 4/27/2015
3. Ship DV samples - 4/18/2015
4. Pass Final product qualification - 6/8/2015
5. Issue PPAP - 7/17/2015

### **REASON FOR CHANGE**

Amkor Korea K1 site is closing by end of 2015.

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

There will be 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)

---

### **RELATED NOTIFICATION(S):**

[16158A](#) - SENSOR AIRBAG ACCELEROMETER 6X6 QFN ASSEMBLY TRANSFER FROM AMKOR KOREA K1 TO AMKOR PHILIPPINES P3 FACILITY

To view the GENERIC copy, click on the notification number above.

---

**QUAL DATA AVAILABILITY DATE:** 08-Jun-2015

**QUALIFICATION STATUS:** NEW

**QUALIFICATION PLAN:**

Freescale Semiconductor Manufacturing standard specification for assembly transfers and material changes will be followed for this transfer.

**RELIABILITY DATA SUMMARY:**

Available after qualification complete.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Available after qualification complete.

---

---

**CHANGED PART IDENTIFICATION:**

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

The format for the Freescale standard trace code: AWLYYWW is the following:

A=Assembly Site, WL=Wafer Lot, YY=Year, WW=Work Week.

The current assembly site marking for Amkor Korea K1 is A = I  
The marking for proposed assembly Amkor Philippines P3 is A = PR

**SAMPLE AVAILABILITY DATE:** 18-Apr-2015

---

**ATTACHMENT(S):**

N/A

---