



PRE ALERT - PRODUCT AND PROCESS CHANGE NOTIFICATION
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ISSUE DATE: 13-Mar-2014
NOTIFICATION: P16157
TITLE: SENSOR AIRBAG ACCELEROMETER 6X6 QFN ASSEMBLY
 TRANSFER FROM AMKOR KOREA K1 TO ASE CHUNG LI FACILITY

DEVICE(S)

MPN
MMA1618KWR2
MMA1631NKWR2
MMA2612KWR2
MMA2612NKWR2
MMA2631NKWR2
MMA5106KWR2
MMA5106LWR2
MMA5112KWR2
MMA5112LWR2
MMA5124KWR2
MMA5148KWR2
MMA5206KWR2
MMA5212AKWR2
MMA5212KWR2
MMA5224AKWR2
MMA5224KWR2
MMA5248KWR2
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

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 ASE Chung Li, Taiwan facility. This transfer includes the following changes:

1. From gold to copper wire
2. Mold compound change
3. From Amkor Korea K1 "Dimpled" wettable flanks to ASE Chung Li standard "Step Cut" wettable flanks
4. From Amkor Korea K1 asic die attach to ASE Chung Li standard asic die attach

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 fit, function or reliability. The device form will change due to the "step cut" wettable flanks.

QUAL DATA AVAILABILITY DATE: 31-Dec-2014

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 ASE Chung Li is A = X

SAMPLE AVAILABILITY DATE: 14-Oct-2014

ATTACHMENT(S):

N/A
