



PRE ALERT - PRODUCT AND PROCESS CHANGE NOTIFICATION

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ISSUE DATE: 07-Aug-2015
NOTIFICATION: P16844
TITLE: M912_637 AND M9Z1_638 ASSEMBLY SITE TRANSFER AND PACKAGE BILL OF MATERIAL CHANGE

DEVICE(S)

MPN
MM912I637AM2EP
MM912I637AM2EPR2
MM912I637AV1EP
MM912I637AV1EPR2
MM912J637AM2EP
MM912J637AM2EPR2
MM912J637AV1EP
MM912J637AV1EPR2
MM9Z1I638BM2EP
MM9Z1I638BM2EPR2
MM9Z1J638BM2EP
MM9Z1J638BM2EPR2
PM912J637AV1FC
PM9Z1J638AM2EP
PM9Z1J638AM2EPR2

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AFFECTED CHANGE CATEGORIES

- ASSEMBLY SITE
- BILL OF MATERIAL CHANGE (SAME ASSEMBLY SITE)

DESCRIPTION OF CHANGE

Freescale Semiconductor announces the assembly site transfer from the current AMKOR-K1, Korea assembly facility to the AMKOR-P1, Philippines assembly facility, along with Palladium Copper (PdCu) wire as a wirebond material and Sumitomo G631BQ mold compound for the 912x637 (Quibs family) and 9Z1X638 (Quibs+z family) devices associated with this notification. These products are currently under qualification at AMKOR-P1. These products were previously assembled at AMKOR-K1, Korea with Gold (Au) wire and Sumitomo G700 mold compound.

An AEC-Q100 qualification is planned combining results from both products (end of qualification target Q4 2015).

Estimated Milestones	Target Date
Qual Intent Samples Available	August 24th, 2015
PCN Target Date	January 11th, 2016
Planned Implementation	March, 31 st , 2016
Qualified Samples Available	January 11th, 2016
General Market PPAP Available	January 11th, 2016
If applicable, include impact to supply if change is not qualified	Customer line down

REASON FOR CHANGE

Current assembly site AMKOR-K1 will shut down by Q4-2016, transfer is required for customer supply assurance.

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

See details in the attached file.

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

QUAL DATA AVAILABILITY DATE: 31-Dec-2015

QUALIFICATION STATUS: IN PROCESS

QUALIFICATION PLAN:

See the attached qualification plan.

RELIABILITY DATA SUMMARY:

Available upon qualification completion.

ELECTRICAL CHARACTERISTIC SUMMARY:

Available upon qualification completion.

CHANGED PART IDENTIFICATION:

There is no change to orderable part number. The tracecode marking on the device includes assembly site and datecode. Freescale will have traceability by assembly site and datecode.

SAMPLE AVAILABILITY DATE: 24-Aug-2015

ATTACHMENT(S):

External attachment(s) FOR this notification can be viewed AT:

[P16844_M912_637_AND_M9Z1_638_ASSEMBLY_SITE_TRANSFER_AND_PACKAGE_BOM_CHANGE_Qualification_Plan_GPCN.pdf](#)

[P16844_M912_637_AND_M9Z1_638_ASSEMBLY_SITE_TRANSFER_AND_PACKAGE_BOM_CHANGE_DeQuMa_GPCN.pdf](#)

[P16844_M912_637_AND_M9Z1_638_ASSEMBLY_SITE_TRANSFER_AND_PACKAGE_BILL_OF_MATERIAL_CHANGE_COFDC_COMPARE_GPCN.pdf](#)

[P16844_M912_637_AND_M9Z1_638_ASSEMBLY_SITE_TRANSFER_AND_PACKAGE_BILL_OF_MATERIAL_CHANGE_GPCN.pdf](#)
