



## PRODUCT AND PROCESS CHANGE NOTIFICATION

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

**ISSUE DATE:** 17-Nov-2015  
**NOTIFICATION:** 16967  
**TITLE:** MPC5200CBV400 PBGA Cu Wire Conversion in FSL-KLM-FM  
**EFFECTIVE DATE:** 15-Feb-2016

### DEVICE(S)

MPN
MPC5200CBV400

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### AFFECTED CHANGE CATEGORIES

- BILL OF MATERIAL CHANGE (SAME ASSEMBLY SITE)

### DESCRIPTION OF CHANGE

Freescale Semiconductor announces the addition of Copper Wire as a wirebond material for the following product:

MPC5200CBV400 272 PBGA package currently assembled with Gold wire at Freescale Kuala Lumpur, Malaysia (FSL-KLM-FM).

Package Description	Part Number	Wire	
		Original	New
PBGA 272 27*27*1.25P1.27	MPC5200CBV400	25um Au	20um Pd Cu

**REASON FOR CHANGE**

The transfer from Gold to Copper wire is required to mitigate against raw material cost increase and for supply assurance.

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

Wire composition and wire diameter are the only change to form. No impact to fit or function. Reliability is equivalent or improved.

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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:** 23-Oct-2015

**QUALIFICATION STATUS:** COMPLETED

**QUALIFICATION PLAN:**

See attached qualification results.

**RELIABILITY DATA SUMMARY:**

See attached qualification results.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

No change to datasheet. Electrical Distribution comparison, Gold wire versus Copper wire included in this notification. Result shows no difference in Electrical Distributions.

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**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.

The table below provides sample part numbers:

Au Part Number	Cu Sample Part Number	Package Description
MPC5200CBV400	KMPC5200CBV400	PBGA 272 27*27*1.25P1.27

**SAMPLE AVAILABILITY DATE:** 30-Oct-2015

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**ATTACHMENT(S):**

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

[16967 KLM PBGA 0 13um Cu vs Au Electrical Distribution Report.pdf](#)

[16967 Qualification Report.pdf](#)

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