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**PRODUCT AND PROCESS CHANGE NOTIFICATION**  
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**ISSUE DATE:** 25-Mar-2014  
**NOTIFICATION:** 15996  
**TITLE:** MC56F802/3XXXX CU WIRE ASE QUAL  
**EFFECTIVE DATE:** 24-Apr-2014

**DEVICE(S)**

MPN
MC56F8023VLC
MC56F8025MLD
MC56F8025VLD
MC56F8025VLDR
MC56F8027VLD
MC56F8027VLH
MC56F8027VLHR
MC56F8033VLC
MC56F8035VLD
MC56F8035VLDR
MC56F8036VLF
MC56F8037MLH
MC56F8037MLHR
MC56F8037VLH
MC56F8037VLHR
SC56F8037F4VLH

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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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**AFFECTED CHANGE CATEGORIES**

- ASSEMBLY PROCESS

**DESCRIPTION OF CHANGE**

The package for the devices listed is currently being assembled at ASE Chung Li, Taiwan using Au(Gold) wire bonding. ASE Chung Li, Taiwan sourced material is being qualified by Freescale to use Cu(Copper) wire bond.

Table below provides the sample part number:

Part number	Package
KC56F8033VLC	LQFP 32 7*7*1.4P0.8
KC56F8035VLD	LQFP 44 10*10*1.4P0.8
KC56F8036VLF	LQFP 48 7*7*1.4P0.5
KC56F8037MLH	LQFP 64 10*10*1.4P0.5

**REASON FOR CHANGE**

The transfer from Gold to Copper wire is required to mitigate against raw material cost increases and to ensure supply security.

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

Wire composition is the only change to form. No Impact to fit or function. Reliability is equivalent or improved.

**QUAL DATA AVAILABILITY DATE:** 20-Jan-2014

**QUALIFICATION STATUS:** COMPLETED

**QUALIFICATION PLAN:**

See attached qualification results.

**RELIABILITY DATA SUMMARY:**

See attached qualification results.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

No change.

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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.

**SAMPLE AVAILABILITY DATE:** 24-Feb-2014

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**ATTACHMENT(S):**

External attachment(s) FOR this notification can be viewed AT:  
[15996 Anguilla Blue \(ASECL\) Qualification Result Official.pdf](#)

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