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## PRODUCT AND PROCESS CHANGE NOTIFICATION

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**ISSUE DATE:** 06-May-2014  
**NOTIFICATION:** 16219  
**TITLE:** Qualification of a 2nd Source Leadframe Supplier for the MMA845xQ Device Family  
**EFFECTIVE DATE:** 04-Aug-2014

### **DEVICE(S)**

MPN
MMA8451QR1
MMA8451QT
MMA8452QR1
MMA8452QT
MMA8453QR1
MMA8453QT

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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**

- NEW PIECE PARTS AND/OR COMPONENT SUPPLIER

### **DESCRIPTION OF CHANGE**

Freescale is announcing the qualification of a 2nd source leadframe supplier for the parts listed in this notification. The composition of the second source supplier leadframe will be NiPdAuAg while the primary source supplier leadframe will remain NiPdAu.

Sample Part Number	Package Description
SX8452QR1	QFN 16LD COL3*3*1.0 P0.5
MMA8452QT	QFN 16LD COL3*3*1.0 P0.5
MMA8452QR1	QFN 16LD COL3*3*1.0 P0.5

### **REASON FOR CHANGE**

The qualification of a 2<sup>nd</sup> source leadframe supplier will provide supply assurance.

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

There is no impact on device form, fit, function, or reliability.

**QUAL DATA AVAILABILITY DATE:** 04-Apr-2014

**QUALIFICATION STATUS:** COMPLETED

**QUALIFICATION PLAN:**

Freescale qualified this change according to the standard Freescale requirements for a leadframe vendor change.

**RELIABILITY DATA SUMMARY:**

Qualification results are attached.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Qualification results are attached.

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**CHANGED PART IDENTIFICATION:**

There will be no change to the orderable part number or part marking.

**SAMPLE AVAILABILITY DATE:** 09-Apr-2014

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**ATTACHMENT(S):**

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

[16219\\_Qualification\\_of\\_a\\_2nd\\_source\\_leadframe\\_supplier\\_for\\_the\\_MMA845xQ\\_device\\_Family.pdf](http://cache.freescale.com/files/shared/doc/pcn/PCN16219.htm)

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