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Freescale Semiconductor, Inc.

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**PRODUCT BULLETIN**  
Customer Copy

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**ISSUE DATE:** 26-Mar-15  
**ATTN:** MOUSER ELECTRONICS  
**NOTIFICATION:** 16628  
**TITLE:** DATA SHEETS UPDATE of  
MCF51JU128/QU128 to Rev 5 and  
MCF51JF128/QM128 to Rev 7  
**EFFECTIVE DATE:** 27-Mar-15

**CUSTOMER(S)**

MOUSER ELECTRONICS  
(MOUSR)  
X3  
1000 N. MAIN STREET

MANSFIELD TX  
76063 USA

**DEVICE(S)**

<b>CPN</b>	<b>MPN</b>
MCF51QM128VLH	MCF51QM128VLH
MCF51JF128VLH	MCF51JF128VLH
MCF51QU32VFM	MCF51QU32VFM
MCF51JU32VFM	MCF51JU32VFM
MCF51JF128VHS	MCF51JF128VHS
MCF51QU128VLH	MCF51QU128VLH
MCF51JU128VLH	MCF51JU128VLH

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

**AFFECTED CHANGE CATEGORIES**

DATASHEET

**DESCRIPTION OF CHANGE**

The MCF51JF128 Data Sheet has been updated to Rev 7. The revision history included in the updated documents provides a detailed description of the changes. The MCF51JF128 Data Sheet can be found at [http://cache.freescale.com/files/32bit/doc/data\\_sheet/MCF51JF128.pdf](http://cache.freescale.com/files/32bit/doc/data_sheet/MCF51JF128.pdf)

The MCF51JU128 Data Sheet has been updated to Rev 5. The revision history included in the updated documents provides a detailed description of the changes. The MCF51JU128 Data Sheet can be found at [http://cache.freescale.com/files/32bit/doc/data\\_sheet/MCF51JU128.pdf](http://cache.freescale.com/files/32bit/doc/data_sheet/MCF51JU128.pdf)

The MCF51QM128 Data Sheet has been updated to Rev 7. The revision history included in the updated documents provides a detailed description of the changes. The MCF51QM128 Data Sheet can be found at [http://cache.freescale.com/files/32bit/doc/data\\_sheet/MCF51QM128.pdf](http://cache.freescale.com/files/32bit/doc/data_sheet/MCF51QM128.pdf)

The MCF51QU128 Data Sheet has been updated to Rev 5. The revision history included in the updated documents provides a detailed description of the changes. The MCF51QU128 Data sheet can be found at [http://cache.freescale.com/files/32bit/doc/data\\_sheet/MCF51QU128.pdf](http://cache.freescale.com/files/32bit/doc/data_sheet/MCF51QU128.pdf)

Change Summary:

- Updated the value and description in Power mode transition operating behaviors
- Updated the maximum value of ffil\_ref in MCG specs
- 12-bit ADC characteristics: Updated the values of temperature sensor slope for -40°C to 25°C and 25°C to 105°C
- Updated the minimum and typical values of Vout in VREF full-range operating behaviors

- Updated the maximum internal reference frequency and maximum FLL reference frequency range in MCG specifications
- Updated the values of Temperature sensor voltage in 12-bit ADC characteristics
- Removed the temperature parameter from VREF full-range operating requirements table
- Removed Write endurance to FlexRAM for EEPROM section
- Removed ADC calculator tool footnote from ADC operating conditions

### **REASON FOR CHANGE**

Devices MCF51JF128, MCF51JU128, MCF51QM128, MCF51QU128 Data Sheets are being updated to correct errors and provide additional technical clarification on some device features.

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

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

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### **NOTE:**

[THE CHANGE\(S\) SPECIFIED IN THIS NOTIFICATION WILL BE IMPLEMENTED ON THE EFFECTIVE DATE LISTED ABOVE. 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:** 06-Feb-2015

**QUALIFICATION STATUS:** N/A

**QUALIFICATION PLAN:**

N/A

**RELIABILITY DATA SUMMARY:**

N/A

**ELECTRICAL CHARACTERISTIC SUMMARY:**

N/A

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**CHANGED PART IDENTIFICATION:**

N/A

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**ATTACHMENT(S):**

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

[16628\\_MCF51JF\\_MCF51JU\\_MCF51QU\\_MCF51QM\\_Revision\\_history.pdf](#)

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