Customer Information Notification Update

202011007IU01 : MC56F837XX Data Sheet and MC56F83XXX Mask Set 0N64Y Errata Update to Rev 2

Note: This notice is NXP Company Proprietary.

Issue Date: Dec 04, 2020 **Effective date:Dec 05, 2020**

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[ ]Wafer Fab Process	[ ]Assembly Process	[ ]Product Marking	[ ]Test Process	[ ]Design
[ ]Wafer Fab Materials	[ ]Assembly Materials	[ ]Mechanical Specification	[ ]Test Equipment	[X]Errata
[ ]Wafer Fab Location	[ ]Assembly Location	[ ]Packing/Shipping/Labeling	[ ]Test Location	[ ]Electrical spec./Test coverage
[ ]Firmware	[X]Other: Datasheet			

PCN Overview

Description

NXP Semiconductors announces that the MC56F837XX Data Sheet and MC56F83XXX Mask Set 0N64Y Errata have been updated to Rev 2. The revision history included in the updated document provides a detailed description of the changes.

Updated workaround for below erratum:
ERR050246: FlexCAN: Receive Message Buffers may have its Code Field corrupted if the Receive FIFO function is used.

Corrected Errata document to remove below erratum which is not applicable for MC56F83XXX.
ERR050273: eFlexPWM: Clock sources which are asynchronous to IPBus/ipg clock cannot be used as EXT_CLK of eFlexPWM

The updated MC56F837xx Data Sheet Rev 2 and MC56F83XXX_0N64Y Errata Rev 2 are attached to this notice and can be found at:

https://www.nxp.com/products/processors-and-microcontrollers/additional-mpu-mcus-architectures/digital-signal-controllers/32-bit-56f8xxxx-families/performance-level-digital-signal-controllers-usb-fs-otg-can-fd:MC56F83xxx?tab=Documentation_Tab

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02, SEM-DS-03

Reason

The Data Sheet and Errata have been updated to correct errors and to provide additional technical clarification on some device features.

Identification of Affected Products

Product identification does not change

Anticipated Impact on Form, Fit, Function, Reliability or Quality

No Impact on form, fit, function, reliability or quality

Data Sheet Revision

A new datasheet will be issued

Update Information

The Excel file attachment in the original notification might have been missing.
We are sending you this Update Notification to ensure you receive the Excel file which contains the Product List and your Sales History.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

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NXP Quality Management Team.

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Affected Part Numbers

MC56F83783AVLHA
MC56F83783VLH