Customer Information Notification | 201903017I

Issue Date: 06-May-2019
Effective Date: 07-May-2019

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Change Category

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

MC33HB2001 Safety Manual Update to UM11205 Rev 6.0

Description

NXP Semiconductors announces a Safety Manual update to Revision 6.0 for the MC33HB2001 brushed DC motor driver with SafeAssure product associated with this notification. The revision history included in the updated document provides a detailed description of the changes. Changes are summarized below.

Safety Manual Changes:
1. Changed document id from MC33HB200xSMUG to UM11205
2. Document rewritten to target the Safety Manual for HB2001 part number only
3. Added new recommendation #4 to accommodate possible high-voltage fault on certain pins
4. Updated recommendation #2 and added a figure describing a method of validating communication
5. Added new safe integration requirements list
6. Moved hardware analysis information to safety analysis report
7. Various formatting and organizational changes for clarity and readability

The new safety manual UM11205 Rev 6.0 for HB2001 products can be accessed from NXP's secure DocStore portal from the below link:
https://www.docstore.nxp.com/products?path=/content/docstore/product-hierarchy/Power-train-and-electrification/MV-LV-Driver/Safety#paging:currentPage=0|paging:number=12

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

Reason

The Safety Manual has been updated to be product-specific, correct errors, and include additional recommendation and requirement insights for system integrators.

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

No impact to existing datasheet

Remarks

New Safety Manual UM11205 Rev 6.0 will be issued.

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.

For specific questions on this notice or the products affected please contact our specialist directly:

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NXP Quality Management Team.

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Affected Part Numbers

MC33HB2001FK

MC33HB2001EK