Customer Information Notification | 201909015I

Issue Date: 26-Oct-2019
Effective Date: 27-Oct-2019
Dear *Emma Tempest*,

Here's your personalized quality information concerning products Premier Farnell PLC purchased from NXP.
For detailed information we invite you to view this notification online

This notice is NXP Company Proprietary.

Management Summary

MTP and datasheet update to enhance the robustness of the limp-home functionality of the ASLx417SHN.
In all 4 datasheets of ASLx41xSHN, the formula for gate voltage supply has been updated.

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 - Datasheet			

Datasheet Update ASLx41xSHN

Description

This Customer Information Notification (CIN) informs you about the update of MTP required for a more robust limp-home mode functionality (of the ASL2417SHN and ASL3417SHN) and a change in the VGG formula.

The default value of the VIN_UV threshold has been adapted in the MTP via a test program change. This results in a better-defined state immediately after enabling of the device. As all registers are supposed to be configured by the application μC after each power-up, there is no impact to the application.

Along with this change, the formula for the gate voltage supply, applicable for all 4 types, has been adapted. The test limits of the VGG test will be updated to comply with the new formula.

For both changes there has been no change in the die design or layout.

All products delivered with a date code 1945 and higher will comply with the updated datasheet.
Some minor textual changes and additions have been made during the Datasheet update, none of which impact the product's functionality.
Reason
NXP is committed to inform customers about any datasheet update and deviation in product performance.
Identification of Affected Products
Products marked with date code 1945 and later comply with the formula update and improved accuracy.

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
Disposition of Old Products
Existing inventory will be shipped until depleted

Additional information
Affected products and sales history information: see attached file
Additional documents: view online

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:
Name   Henry van Mook
Position   Quality Account Manager
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Customer Focus, Passion to Win.

NXP Quality Management Team.

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