



Customer Information Notification

201909015I

Issue Date: 26-Oct-2019

Effective Date: 27-Oct-2019

Here's your personalized quality information concerning products Digi-Key purchased from NXP. For detailed information we invite you to view this notification online



QUALITY

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

- | | | | | |
|--|---|--|---|---|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input type="checkbox"/> Product Marking | <input type="checkbox"/> Test Location | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer Fab Materials | <input type="checkbox"/> Assembly Materials | <input type="checkbox"/> Mechanical Specification | <input type="checkbox"/> Test Process | <input type="checkbox"/> Errata |
| <input type="checkbox"/> Wafer Fab Location | <input type="checkbox"/> Assembly Location | <input type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test Equipment | <input type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input checked="" type="checkbox"/> 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

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 OPN

ASL3416SHNY

ASL2417SHNY

ASL3417SHNY

ASL2416SHNY

Affected 12NC

935305593518

935306597518

935306596518

935305971518