



## Customer Information Notification

201711025I

**Issue Date:** 14-Feb-2018

**Effective Date:** 15-Feb-2018

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

### Management Summary

In specific process corners the startup time of the SDO can be too long, A minor design change is used to correct this weakness.

#### Change Category

- |  |   |  |   |   |
|--|---|--|---|---|
| <input type="checkbox"/> Wafer Fab Process   | <input type="checkbox"/> Assembly Process   | <input type="checkbox"/> Product Marking           | <input type="checkbox"/> Test Location  | <input checked="" 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 |

ASLx500 SPI Update

### Information Notification

In some cases, the SDO start-up time was observed to be longer than the specified 150 microseconds. This phenomenon occurred only in specific process corners. No customer complaints were received on this. The phenomenon can be corrected by shorting specific transistors. For details please see the attached document.

Apart from this there is no change whatsoever in the ASL1500, ASL2500 or in the ASL4500:

- No change in Bill of Material (BoM), i.e. any material of which the types are produced
- No change in diffusion or assembly process or materials used therein
- No change in form, fit or function
- No change in functionality, performance or reliability other than preventing the too long startup time
- No change in datasheet

A running change will be made to the ASL1500, ASL2500 and the ASL4500 based on datecode. This datecode can be read from the top-side marking of an individual product. This marking shows 'ZSyww', where 'y' is the last character of the year and 'ww' is the week. E.g. a product marked ZS740 was produced in week 40 of 2017.

The clean datecodes are:

- ASL1500 and ASL 2500: wk1805 (every lot with datecode '805' or later will have the change implemented)
- ASL4500: wk1810 (every lot with datecode '810' or later will have the change implemented)

#### Why do we issue this Information Notification

NXP is committed to continuously improve the quality of our products. It was required to prevent the possibility of the too long startup time of the SDO in the application.

#### Identification of Affected Products

The change can be traced by the datecode marked in the third line of the product's top-marking.

## Impact

no impact to the product's functionality anticipated.

### Data Sheet Revision

No impact to existing datasheet

### Disposition of Old Products

Existing inventory will be shipped until depleted

## Remarks

Please use the link 'view online' above under the heading 'Additional information' to log in to the NXP e-PCN system you're subscribed to, in order to obtain the attachment to this CIN and the applicable ZVEI DeQuMa from the tab 'Files'.

Should you not be able to obtain these documents, please contact your NXP sales representative or the e-mail address mentioned below under 'Contact and Support'.

In the NXP e-PCN system on the tab 'Products' you can see a list of your affected part numbers.

## 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  
**e-mail address** [ivn.customer.service@nxp.com](mailto:ivn.customer.service@nxp.com)

At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

Customer Focus, Passion to Win.

NXP Quality Management Team.

## About NXP Semiconductors

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### Affected Part Numbers

ASL1500SHNY

ASL4500SHNY

ASL2500SHNY