



Final Product Change Notification

201406008F01U01

Issue Date: 20-Jul-2014
Effective Date: 07-Dec-2014

UPDATE

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QUALITY

Management Summary

Standardization ICN8 backend for SSL21x9(A)T.

Change Category

<input checked="" type="checkbox"/> Wafer Fab process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Electrical spec./Test coverage	<input type="checkbox"/> Mechanical Specification
<input type="checkbox"/> Wafer Fab location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Test Location	<input type="checkbox"/> Packing/Shipping/Labeling

Standardization backend SSL21x9(A)T

Details of this Change

In order to standardize the backend part of the wafer manufacturing process at the ICN8 waferfab Nijmegen, The Netherlands and the ASEN Assembly site Suzhou, China SSL21x9(A)T products have been changed:

* Standardization:

o Waferfab ICN8: the existing 2 passivation layers have been exchanged: the current EZHV passivation comprises SiN (bottom) + PSG (top). The new EZHV passivation comprises PSG (bottom) + SiN (top).

o Standardization ASEN backend assembly process: introduction 20u gold wire.

* Minor layout change to further reduce the risk on delamination: minor relocation on one bondpad (Pin8 Drain).

There is no design change involved.

All proposed changes have already been proven in production for other (released) processes and products.

Please note this change is related to HV-die using EZHV process and will not affect the ABCD3 die.

Why do we Implement this Change

Standardization for the backend part of the wafer manufacturing process at the ICN8 waferfab Nijmegen, The Netherlands and the ASEN Assembly site Suzhou, China.

Identification of Affected Products

Product identification does not change

Product Availability

Sample Information

Samples are available upon request

Production

Planned first shipment 01-Dec-2014

Update Information

PCN updated: products shipment date changed to December 1th, 2014 in order to give customers more time to test / release the products involved.

Impact

no impact to the product's functionality anticipated.

No impact for fit or function of the product.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Related Notifications

Notification	Issue Date	Effective Date	Title
201406008F01	30-Jun-2014	28-Sep-2014	Standardization backend SSL21x9(A)T

Timing and Logistics

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 19-Aug-2014.

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 Joost Haaren, van
Position Quality BL PLS
e-mail address joost.van.haaren@nxp.com

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NXP Semiconductors
High Tech Campus, 5656 AG Eindhoven, The Netherlands

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