



Product Change Notification **CN-202109011F**

Issue date: 29 Sep 2021
Effective date: 28 Mar 2022

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.

For more details please contact your respective Nexperia CSR/AM.



Last phase of assembly and test transfer SO-TSSOP14/16 packages from ATBK to ASEN (Automotive)

Change Category

<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Wafer	Assembl				
Fab	Process				
Process	Y				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wafer	Assembl	Product Marking	Mechanical	Test Location	Design
Fab	Materials	Specification		Test Process	Errata
Material	Y			Equipment	Electrical
s	<input checked="" type="checkbox"/>	Packing/Shipping/Labelin		g	spec./Test coverage
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Wafer	Assembl				
Fab	Y				
Location	Location				

Details of this change

Last phase of assembly and test transfer product types in SO14/16 and TSSOP14/16 packages from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

- No change in wafer fab process or fab location
- No change in die (same electrical distribution)
- No change in datasheet and test limits
- No change in form, fit, function, quality or reliability anticipated

Qualification in accordance to the Automotive Electronics Council:

- AEC-Q100-rev. H Stress Test Qualification for Integrated Circuits
- AEC-Q006-rev. A Qualification requirements for Cu-wire interconnection

Please use the below link to access related documentation to this change notification

https://qcm.nexperia.com/change-notification-epcn/SQR_CN-202109011F.pdf

SQR_CN-202109011F.pdf: https://qcm.nexperia.com/Document/DOC-519597/SQR_CN-202109011F.pdf

Why do we implement this change?

- Last phase of transfer SO14/16 and TSSOP14/16 products into ASEN
- Create dual source capability

Identification of affected products

- The traceability is given by the assembly location indicator suffix which is indicated on the product topside marking and on the reel and box label, see remarks

Management summary

Last phase of assembly and test transfer product types in SO14/16 and TSSOP14/16 packages from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

Product availability

Production

Planned first shipment: 31 Mar 2022

Sample information

Samples are available upon request

Impact

Impact to the product's functionality is anticipated

- No change in form, fit, function, quality or reliability anticipated
- No change in die (same electrical distribution)
- No change in datasheet and test limits

Data sheet revision

No impact to existing datasheet

Disposition of old products

Not applicable, products will continue to be assembled in ATBK

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 29 Oct 2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

Assembly location indicator suffix on the product topside marking and on the reel and box label: "X"= ASEN (ASE Group Assembly & Test Plant Suzhou China) "n"= ATBK (NXP Semiconductors Assembly & Test Plant Bangkok, Thailand)

Contact and support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support Team.

For specific questions on this notice or the products affected please contact our specialist directly: pcn@nexperia.com

In case of distribution, please contact you distribution partner.

About Nexperia B.V.

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<u>SalesItem_name</u>	<u>Affected Part Numbers</u>
935301536118	74HC166PW-Q100J
935300446118	74HC193PW-Q100J
935300883118	74HC4024D-Q100J
935302013118	74HC4075D-Q100J
935302014118	74HC4075PW-Q100J
935305392118	74HC4520D-Q100J
935298859118	74HC4538PW-Q100,11
935300348118	74HC597PW-Q100J
935301183118	74HC7014D-Q100J
935300452118	74HCT193PW-Q100J
935302015118	74HCT4075D-Q100J
935305448118	74HCT4520D-Q100J
935298862118	74HCT4538PW-Q100,1
935304366118	HEF4020BT-Q100J
935300213118	HEF4053BT-Q100J
935300214118	HEF4053BTT-Q100J
935302266518	HEF4541BT-Q100Y