



Product Change Notification

CN-202205009F

Issue date: 27 Dec 2022

Effective date: 30 Jun 2023

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.



Transfer ALVC(H) and CBT products from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ATXSZ (ATX Semiconductors, Suzhou China)

Change Category

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

Details of this change

Transfer ALVC(H) and CBT products from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ATXSZ (ATX Semiconductors, Suzhou China)

- No change in wafer fab process or fab location
- No change in die (same electrical distribution)
- No change in datasheet, form, fit, function, quality or reliability anticipated
- Enhanced BOM for TSSOP56 package to support Moisture Sensitivity Level to MSL-1
- Change from MSL-2 dry-pack to MSL-1 none dry-pack for products in TSSOP56 package

Qualification in accordance to the Automotive Electronics Council:

- AEC-Q100-rev. H Stress Test Qualification for Integrated Circuits

SQR_CN-202205009F.pdf: https://qcm.nexperia.com/Document/DOC-548357/SQR_CN-202205009F.pdf

Why do we implement this change?

- Transfer ALVC(H) and CBT products from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ATXSZ (ATX Semiconductors Suzhou, China)
- Last phase of transfer ALVC(H) and CBT products into ATXSZ

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 ALVC(H) and CBT products from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ATXSZ (Suzhou, China)

Product availability

Production

Planned first shipment: 30 Jun 2023

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

Impact to the product's functionality is anticipated

- No impact to the product's functionality is anticipated
- Change in ordering code for products in TSSOP56 package to reflect none dry-pack MSL-1

Data sheet revision

No impact to existing datasheet

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 26 Jan 2023. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

Remarks

1). Assembly location indicator suffix on the product topside marking and on the reel and box label: "X"= ATXSZ (ATX Semiconductors Suzhou, China) and "n"= ATBK (NXP Semiconductors Assembly & Test Plant Bangkok, Thailand) 2). Limited samples (max. 300 pieces per product type) are available upon request via Helpdesk+ from BG Analog & Logic ICs sample store in Nijmegen The Netherlands

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 your distribution partner.

About Nexperia B.V.

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