



Product Change Notification

CN-202601029F

Issue date: 21 Sep 2026

Effective date: 03 Jan 2027

Dear pcn@ttiinc.com,

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

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



Release of new assembly site as second source for non-automotive products in SOT223 package

**Change
Category**

☒ Wafer Fab Process	☒ Assembly Process	☐ Product Marking	☒ Test Location	☐ Design
☐ Wafer Fab Materials	☒ Assembly Materials	☐ Mechanical Specification	☐ Test Process	☐ Errata
		☐ Packing/Shipping/Labeling	☐ Test Equipment	☐ Electrical spec./Test coverage

☐ Wafer	☒
Fab	Assembly
Location	Location

Details of this change

The intention of this PCN is to release a second source assembly- and testing-site HANA Semiconductor (Ayutthaya) Co., Ltd. (HANA) for selected non-automotive products in the SOT223 package complementing existing site at Nexperia China Co., Ltd. (Nexperia ATGD). Moreover, additional materials for the package as well as the wafer back side are introduced and described in this PCN complementing the existing bill of materials.

The products to be released at HANA specifically cover only non-automotive quality criteria of Nexperia. For automotive quality according to AEC-Q101 the equivalent “-Q” products should be purchased.

Please refer to the Self-Qualification Report for a detailed description and evaluation of the changes covered by this PCN.

This notification applies only to customers currently ordering the non-automotive version. If you have already transitioned to the automotive-qualified version, please disregard this notification.

This notification may reach customers who have already completed this transition. We apologize for any inconvenience this may cause.

Chem_Content_CN-202601029F-20260917.zip:

https://qcm.nexperia.com/Document/DOC-616527/Chem_Content_CN-202601029F-20260917.zip

CN-202601029F_product_change_matrix.xlsx:

https://qcm.nexperia.com/Document/DOC-616519/CN-202601029F_product_change_matrix.xlsx

CN-202601029F_Self_Qualification_Report.pdf:

https://qcm.nexperia.com/Document/DOC-616508/CN-202601029F_Self_Qualification_Report.pdf

Why do we implement this change?

Second Source Assembly site. Expand production capacity.

Identification of affected products

Changed products can be identified by date code and assembly code “p” for HANA assembly after implementation.

Management summary

- #1 Change of data sheet parameters/electrical specification (min./max./typ. values) and/or AC/DC specification
- #2 Change of backside metallization
- #3 Change of lead frame base material
- #4 Change in lead frame dimensions
- #5 Change in lead frame finishing area
- #6 Change of die attach material
- #7 Change of wire bonding
- #8 change of mold compound
- #9 Change of direct material supplier
- #10 Production from a new equipment/tool which uses the different basic technology (die attach process change)
- #11 Move all or parts of production to a different assembly site
- #15 Move all or parts of final test to a different test site

Product availability

Production

Planned first shipment: 03 Jan 2027

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Data sheet revision

A new datasheet will be issued

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 21 Oct 2026. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

Contact and support

For all Quality Notification content inquiries, please contact your local Nexperia B.V. 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.

We at Nexperia B.V. are the efficiency semiconductor company. We deliver over 90 billion products a year and as such service thousands of global customers, both directly and through our extensive network of channel partners. We are at the heart of billions of electronic devices in the Automotive, Mobile, Industrial, Consumer, Computing, and Communication Infrastructure segments.

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SalesItem_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber
933917270115	BCP51,115	
933917290115	BCP51-16,115	BCP51-16,115
933917290135	BCP51-16,135	
933917330115	BCP53,115	
933917350115	BCP53-16,115	
933917350135	BCP53-16,135	
933917330135	BCP53F	

ProductType_name	BasicType_description	PackageOutlineVersion_description
BCP51	45 V, 1 A PNP medium power transistor	SOT223
BCP51-16	45 V, 1 A PNP medium power transistor	SOT223
BCP51-16	45 V, 1 A PNP medium power transistor	SOT223
BCP53	80 V, 1 A PNP medium power transistor	SOT223
BCP53-16	80 V, 1 A PNP medium power transistor	SOT223
BCP53-16	80 V, 1 A PNP medium power transistor	SOT223
BCP53	80 V, 1 A PNP medium power transistor	SOT223