



**Product Change Notification** **CN-202209005F**

**Issue date:** 11 Oct 2022

**Effective date:** 11 Oct 2023

Dear digikey.supplierinfo@digikey.com,

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.



**Release of Business Group Bipolar Discretets Q-Portfolio Wave 6**

**Change Category**

- |  |   |  |   |   |
|--|---|--|---|---|
| <input type="checkbox"/> Wafer Fab Process   | <input type="checkbox"/> Assembly Process   | <input type="checkbox"/> Product Marking                       | <input type="checkbox"/> Test Location  | <input 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 checked="" type="checkbox"/> Packing/Shipping /Labeling | <input type="checkbox"/> Test Equipment | <input type="checkbox"/> Electrical spec./Test coverage |

**Details of this change**

Nexperia's Business Group Bipolar Discretets will remove the "Automotive qualification status" for selected parts of its standard portfolio. At the same time, a new portfolio with Automotive qualified products "Q-Portfolio" will be released. Types of the new Q-Portfolio will be named with "-Q" at the end of the type-number. This PCN contains a cross list for the product types which will be introduced at present.

CN-202209005F\_Automotive\_Plus\_Wave\_6\_CrossList.xlsx: [https://qcm.nexperia.com/Document/DOC-544552/CN-202209005F\\_Automotive\\_Plus\\_Wave\\_6\\_CrossList.xlsx](https://qcm.nexperia.com/Document/DOC-544552/CN-202209005F_Automotive_Plus_Wave_6_CrossList.xlsx)

CN-202209005F\_Automotive\_Plus\_Wave\_6\_CrossList.pdf: [https://qcm.nexperia.com/Document/DOC-544550/CN-202209005F\\_Automotive\\_Plus\\_Wave\\_6\\_CrossList.pdf](https://qcm.nexperia.com/Document/DOC-544550/CN-202209005F_Automotive_Plus_Wave_6_CrossList.pdf)

CN-202209005F\_Automotive\_Plus\_Wave\_6-FORM.pdf: [https://qcm.nexperia.com/Document/DOC-543487/CN-202209005F\\_Automotive\\_Plus\\_Wave\\_6-FORM.pdf](https://qcm.nexperia.com/Document/DOC-543487/CN-202209005F_Automotive_Plus_Wave_6-FORM.pdf)

CN-202209005F\_Automotive\_Plus\_Wave\_6-Delta-Qualification-Matrix-ZVEI-4\_1.pdf: [https://qcm.nexperia.com/Document/DOC-543486/CN-202209005F\\_Automotive\\_Plus\\_Wave\\_6-Delta-Qualification-Matrix-ZVEI-4\\_1.pdf](https://qcm.nexperia.com/Document/DOC-543486/CN-202209005F_Automotive_Plus_Wave_6-Delta-Qualification-Matrix-ZVEI-4_1.pdf)

CN-202209005F\_Automotive\_Plus\_Wave\_6\_Self\_Qualification.pdf: [https://qcm.nexperia.com/Document/DOC-543485/CN-202209005F\\_Automotive\\_Plus\\_Wave\\_6\\_Self\\_Qualification.pdf](https://qcm.nexperia.com/Document/DOC-543485/CN-202209005F_Automotive_Plus_Wave_6_Self_Qualification.pdf)

## **Why do we implement this change?**

To inform customers of standard products that the automotive qualification status will be removed as of 1st October 2023. To inform customers who need automotive qualified products about the change of the type-number and the 12NC (ordering code). If required, customers must change their orderbook to the related Q-parts. In rare cases not all packing variants are available as Q-part. Then the default packing variant needs to be used (e.g., order code ending -115).

## **Identification of affected products**

Products of the new Q-Portfolio can be identified by new type number and new 12NC order code. The marking on the product is unchanged.

## **Management summary**

New type number and ordering code (12NC) for Automotive qualified products. Removal of "Automotive qualification status" of current (standard) products.

## **Product availability**

### **Production**

Planned first shipment: 03 Oct 2022

### **Sample information**

Samples are available upon request

## Impact

No impact to the product's functionality anticipated

For all parts which are affected by this PCN the AEC-Q101 qualification status will be removed, and the legal disclaimer of the related data sheets will change to "not usable for Automotive applications". PPAP support will not be granted for these standard products anymore. The new Q-portfolio products will be identical to the current products as on implementation day. There will be no impact on fit, form, function or reliability. Specifications as stated in the data sheets are guaranteed. No technical qualification is needed at customer side.

### Data sheet revision

A new datasheet will be issued

### Disposition of old products

The changes on standard portfolio will apply from 1st of October 2023 onwards (products with production date-code before 1st of October 2023 are guaranteed AEC Q-101 compliant).

## Timing and logistics

Products of the new QPortfolio can be identified by new type number and new 12NC order code. The marking on the product is unchanged.

### Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 20 Nov 2022. Lack of acknowledgement of the PCN constitutes acceptance of the change.

## Additional information

[View Change Notification Online](#)

### Remarks

New datasheets for Q-portfolio products are available on Nexperia.com. Updated datasheets of standard products will be available on Nexperia.com with PCN implementation (1st of October 2023). An example of both data sheet versions is attached to this PCN to highlight the differences.

## 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](mailto:pcn@nexperia.com)

In case of distribution, please contact you distribution partner.

## About Nexperia B.V.

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