



Product Change Notification

CN-202301022FU01

Issue date: 13 May 2024

Effective date: 12 Jun 2024

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 Discretes Q-Portfolio Wave 7

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 Material	<input type="checkbox"/> Assembly Material	<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

This update informs you that the withdrawal of automotive status will not be implemented for the following product types:

934661608147 PESD2CANFD24V-QB
934661702147 PESD2CANFD24V-QC
934661701147 PESD2CANFD27V-QB
934661705147 PESD2CANFD27V-QC

Reason: The products are automotive application specific ESD protection devices and remain automotive qualified. There is no difference in form, fit or function with the -Q copies of the automotive application specific ESD protection portfolio.

----- Text of original PCN -----

Nexperia's Business Group Bipolar Discretes 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-202301022F_Automotive_Plus_Wave_7-FORM.pdf:
https://qcm.nexperia.com/Document/DOC-549608/CN-202301022F_Automotive_Plus_Wave_7-FORM.pdf

CN-202301022F_Automotive_Plus_Wave_7_Self_Qualification.pdf:
https://qcm.nexperia.com/Document/DOC-549606/CN-202301022F_Automotive_Plus_Wave_7_Self_Qualification.pdf

CN-202301022F_Automotive_Plus_Wave_7-Delta-Qualification-Matrix-ZVEI-4_1.pdf: https://qcm.nexperia.com/Document/DOC-549607/CN-202301022F_Automotive_Plus_Wave_7-Delta-Qualification-Matrix-ZVEI-4_1.pdf

CN-202301022F_Automotive_Plus_Wave_7_CrossList.pdf:
https://qcm.nexperia.com/Document/DOC-549522/CN-202301022F_Automotive_Plus_Wave_7_CrossList.pdf

CN-202301022F_Automotive_Plus_Wave_7_CrossList.xlsx:
https://qcm.nexperia.com/Document/DOC-549523/CN-202301022F_Automotive_Plus_Wave_7_CrossList.xlsx

Why do we implement this change?

To inform customers of standard products that the automotive qualification status will be removed as of 1st February 2024. 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

Suspension of the withdrawal of the automotive status on several product types

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: 01 Feb 2023

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 February 2024 onwards (products with production date-code before 1st of February 2024 are guaranteed AEC Q-101 compliant).

Timing and logistics

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.

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 12 Jun 2024. 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 February 2024). An example of both data sheet versions is attached to this PCN to highlight the differences.

Update history

Suspension of the withdrawal of the automotive status on several product types 934661608147 PESD2CANFD24V-QB 934661702147 PESD2CANFD24V-QC 934661701147 PESD2CANFD27V-QB 934661705147 PESD2CANFD27V-QC

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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