



Product Change Notification

CN-202308011F

Issue date: 09 Oct 2023

Effective date: 08 Oct 2024

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 Discretes Q-Portfolio Wave 8

Change Category

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

[] Wafer	[]
Fab	Assembly
Location	Location

Details of this change

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.

SelfQualificationCN-202308011F.pdf: <https://qcm.nexperia.com/Document/DOC-561753/SelfQualificationCN-202308011F.pdf>

PCN-Delta-Qualification-Matrix-CN-202308011F.xlsm:
<https://qcm.nexperia.com/Document/DOC-561751/PCN-Delta-Qualification-Matrix-CN-202308011F.xlsm>

PCN-FORM-CN-202308011F.xlsm: <https://qcm.nexperia.com/Document/DOC-561752/PCN-FORM-CN-202308011F.xlsm>

Why do we implement this change?

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

Product Identification does not change

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: 01 Oct 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

No impact to existing datasheet

Disposition of old products

The changes on standard portfolio will apply from 1st of October 2024 onwards (products with production date-code before 1st of October 2024 are guaranteed AEC Q-101 compliant).

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 08 Nov 2023. 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 2024). 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

In case of distribution, please contact your distribution partner.

About Nexperia B.V.

We at Nexperia 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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