Product Change Notification CN-202204015F

Issue date: 26 Apr 2022

Effective date: 04 Apr 2023

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

Release of Business Group Bipolar Discretes QPortfolio Wave 4

Change Category

[ ] Wafer Fab Process	[ ] Assembly Process	[ ] Product Marking	[ ] Test Location	[ ] Design
[ ] Wafer Fab Materials	[ ] Assembly Materials	[ ] Mechanical Specification	[ ] Test Process	[ ] Errata
[ ] Wafer Fab Location	[ ] Assembly Location	**[X] Packing/Shipping/Labeling**	[ ] Test Equipment	[ ] Electrical spec./Test coverage

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.

202204015F_Automotive_Plus_Wave4-Delta-Qualification-Matrix-ZVEI-4_1.pdf:
https://qcm.nexperia.com/Document/DOC-538162/202204015F_Automotive_Plus_Wave4-Delta-Qualification-Matrix-ZVEI-4_1.pdf

202204015F_Automotive_Plus_Wave4_Self_Qualification.pdf:
https://qcm.nexperia.com/Document/DOC-538161/202204015F_Automotive_Plus_Wave4_Self_Qualification.pdf

202204015F_Automotive_Plus_Wave4_crossList.xlsx:
https://qcm.nexperia.com/Document/DOC-538165/202204015F_Automotive_Plus_Wave4_crossList.xlsx

202204015F_Automotive_Plus_Wave4_crossList.pdf:
https://qcm.nexperia.com/Document/DOC-538164/202204015F_Automotive_Plus_Wave4_crossList.pdf

202204015F_Automotive_Plus_Wave4-FORM.pdf:
https://qcm.nexperia.com/Document/DOC-538163/202204015F_Automotive_Plus_Wave4-FORM.pdf

Why do we implement this change?

To inform customers of standard products that the automotive qualification status will be removed as of 1st April 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 package 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: 01 Apr 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 April 2023 onwards (products with production date-code before 1st of April 2023 are guaranteed AEC Q-101 compliant)

Timing and logistics

Planned 1st shipment for the different portfolios: The Q-Portfolio is available for shipment from 1st April 2022 onwards. The changes on standard portfolio will apply from 1st of April 2023 onwards.

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 26 May 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 April 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

In case of distribution, please contact you distribution partner.