

Final Product Change Notification

202106014F01

Issue Date: 07-Jul-2021

Effective Date: 05-Oct-2021

Dear *Product Change Notices*

Here's your personalized quality information concerning products Newark purchased from Nexperia.

For More details Please Contact your respective Nexperia CSR/AM.



Management Summary

New type number and ordering code (12NC) for Automotive qualified products

Removal of "Automotive qualification status" of current (standard) products

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 |

Release of Business Group Bipolar Discretes Q-Portfolio



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.

- Impact:

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.

- Planned 1st shipment for the different portfolios:

The Q-Portfolio is available for shipment from 1st July 2021 onwards.
The changes on standard portfolio will apply from 5th of October 2021 onwards.

- Datasheets

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 (5th of October 2021).

An example of both data sheet versions is attached to this PCN to highlight the differences (see Self Qualification Report).

Why do we implement this Change

To inform customers of standard products that the automotive qualification status will be removed as of 5th October 2021.

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.

Identification of Affected Products

Not applicable. As no technical change is implemented, no re-qualification is required. The marking on the product is unchanged.

Product Availability

Sample Information

Samples availability differs by product - see attached sample plan

Not applicable. As no technical change is implemented, no re-qualification is required. The marking on the product is unchanged.

Production

Planned first shipment 07-Jul-2021

Impact

There will be no impact on fit, form, function or reliability.

Disposition of Old Products

Not applicable.

Additional information

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 06-Aug-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

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:

e-mail address pcn@nexperia.com

In case of distribution, please contact your distribution partner.

At Nexperia B.V. we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

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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