

Final Product Change Notification

202106014F01U01

Issue Date: 08-Jul-2021
Effective Date: 06-Oct-2021

UPDATE

Here's your personalized quality information concerning products Digi-Key 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).

Please find more information in the files linked below:

https://qcm.nexperia.com/change-notification-epcn/Automotive_Plus_Self_Qualification.PDF

https://qcm.nexperia.com/change-notification-epcn/PCN-FORM_DeQuMa.zip

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

Update Information

Update: addition of links to files containing more information added.

Impact

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

Disposition of Old Products

Not applicable.

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 07-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.

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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Nexperia |

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Changed OPN	Changed Part 12NC	New OPN	New part 12NC
1PS76SB10,135	934045390135	1PS76SB10-QF	934663694135
1PS76SB10,115	934045390115	1PS76SB10-QX	934663694115
BAS16VY,125	934057343125	BAS16VY-QH	934663649125
BAS16VY,115	934057343115	BAS16VY-QX	934663649115
BAS21,215	933502040215	BAS21-QR	934663621215
BAS21,235	933502040235	BAS21-QVL	934663621235
BAS316,135	934054945135	BAS316-QF	934663618135
BAS316,115	934054945115	BAS316-QX	934663618115
BAS316Z	934054945145	BAS316-QZ	934663618145
BAS321,135	934055352135	BAS321-QF	934663623135
BAS321,115	934055352115	BAS321-QX	934663623115
BAT54,215	933742280215	BAT54-QR	934663650215
BAT54,235	933742280235	BAT54-QVL	934663650235
BAT54A,215	933976360215	BAT54A-QR	934663651215
BAT54A,235	933976360235	BAT54A-QVL	934663651235
BAT54C,215	933976370215	BAT54C-QR	934663652215
BAT54C,235	933976370235	BAT54C-QVL	934663652235
BAT54S,215	933976380215	BAT54S-QR	934663643215
BAT54S,235	933976380235	BAT54S-QVL	934663643235
BAV70,215	933184910215	BAV70-QR	934663645215
BAV70,235	933184910235	BAV70-QVL	934663645235
BAV70S,135	934045740135	BAV70S-QF	934663653135
BAV70S,115	934045740115	BAV70S-QX	934663653115
BAV70W,115	934024390115	BAV70W-QX	934663620115
BAV99,215	933215370215	BAV99-QR	934663624215
BAV99,235	933215370235	BAV99-QVL	934663624235
BAV99W,135	934026010135	BAV99W-QF	934663636135
BAV99W,115	934026010115	BAV99W-QX	934663636115
BAW56S,115	934045730115	BAW56S-QX	934663654115
BAW56W,135	934026020135	BAW56W-QF	934663625135
BAW56W,115	934026020115	BAW56W-QX	934663625115
BC807-16,215	933628560215	BC807-16-QR	934663656215

BC807-16W,115	934024240115	BC807-16W-QX	934663662115
BC807-25,215	933628570215	BC807-25-QR	934663655215
BC807-25,235	933628570235	BC807-25-QVL	934663655235
BC807-25W,115	934024250115	BC807-25W-QX	934663660115
BC807-40,215	933628580215	BC807-40-QR	934663627215
BC807-40,235	933628580235	BC807-40-QVL	934663627235
BC807-40W,115	934024260115	BC807-40W-QX	934663659115
BC807,215	933589500215	BC807-QR	934663657215
BC807W,115	934027170115	BC807W-QX	934663661115
BC817-16,215	933628620215	BC817-16-QR	934663664215
BC817-16,235	933628620235	BC817-16-QVL	934663664235
BC817-25,215	933628630215	BC817-25-QR	934663634215
BC817-25,235	933628630235	BC817-25-QVL	934663634235
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BC817-25W,115	934021930115	BC817-25W-QX	934663665115
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BC817-40,235	933628640235	BC817-40-QVL	934663619235
BC817-40W,135	934021940135	BC817-40W-QF	934663622135
BC817-40W,115	934021940115	BC817-40W-QX	934663622115
BC817,215	933589520215	BC817-QR	934663663215
BC817,235	933589520235	BC817-QVL	934663663235
BC817W,115	934021910115	BC817W-QX	934663667115
BC846,215	933589540215	BC846-QR	934663671215
BC846A,215	933589550215	BC846A-QR	934663692215
BC846A,235	933589550235	BC846A-QVL	934663692235
BC846AW,115	934021730115	BC846AW-QX	934663693115
BC846B,215	933589560215	BC846B-QR	934663628215
BC846B,235	933589560235	BC846B-QVL	934663628235
BC846BS,115	934063582115	BC846BS-QX	934663691115
BC846BW,135	934021740135	BC846BW-QF	934663690135
BC846BW,115	934021740115	BC846BW-QX	934663690115
BC846W,115	934021970115	BC846W-QX	934663670115
BC847,215	933589570215	BC847-QR	934663677215
BC847A,215	933589580215	BC847A-QR	934663678215
BC847AW,115	934021760115	BC847AW-QX	934663676115
BC847B,215	933589590215	BC847B-QR	934663672215
BC847B,235	933589590235	BC847B-QVL	934663672235
BC847BPN,135	934042530135	BC847BPN-QF	934663631135
BC847BPN,125	934042530125	BC847BPN-QH	934663631125
BC847BPN,115	934042530115	BC847BPN-QX	934663631115
BC847BS,135	934042520135	BC847BS-QF	934663640135
BC847BS,115	934042520115	BC847BS-QX	934663640115
BC847BW,135	934021770135	BC847BW-QF	934663673135

BC847BW,115	934021770115	BC847BW-QX	934663673115
BC847C,215	933589600215	BC847C-QR	934663633215
BC847C,235	933589600235	BC847C-QVL	934663633235
BC847CW,135	934021780135	BC847CW-QF	934663674135
BC847CW,115	934021780115	BC847CW-QX	934663674115
BC847W,115	934021720115	BC847W-QX	934663675115
BC856,215	933589710215	BC856-QR	934663685215
BC856A,215	933589720215	BC856A-QR	934663683215
BC856B,215	933589730215	BC856B-QR	934663646215
BC856B,235	933589730235	BC856B-QVL	934663646235
BC856S,115	934055680115	BC856S-QX	934663647115
BC857,215	933589740215	BC857-QR	934663681215
BC857,235	933589740235	BC857-QVL	934663681235
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BC857BW,135	934021850135	BC857BW-QF	934663668135
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BC858B,215	933589790215	BC858B-QR	934663684215
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BCP55-10,115	933917220115	BCP55-10-QX	934663697115
BCP55-16,115	933917230115	BCP55-16-QX	934663696115
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BCP56-10,115	933917250115	BCP56-10-QX	934663689115
BCP56-10TF	934070118135	BCP56-10T-QF	934663669135
BCP56-10TX	934070118115	BCP56-10T-QX	934663669115
BCP56-16,115	933917260115	BCP56-16-QX	934663686115
BCP56-16TF	934070119135	BCP56-16T-QF	934663632135
BCP56-16TX	934070119115	BCP56-16T-QX	934663632115
BCP56F	933917240135	BCP56-QF	934663688135
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BCP56TF	934070117135	BCP56T-QF	934663762135
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PDZ12B,115	934054861115	PDZ12B-QX	934663698115
PDZ13B,115	934054862115	PDZ13B-QX	934663702115

PDZ15B,115	934054863115	PDZ15B-QX	934663648115
PDZ16B,115	934054864115	PDZ16B-QX	934663642115
PDZ18B,115	934054865115	PDZ18B-QX	934663701115
PDZ2.4B,115	934054842115	PDZ2.4B-QX	934663725115
PDZ2.7B,135	934054843135	PDZ2.7B-QF	934663724135
PDZ2.7B,115	934054843115	PDZ2.7B-QX	934663724115
PDZ20B,115	934054866115	PDZ20B-QX	934663706115
PDZ22B,135	934054867135	PDZ22B-QF	934663761135
PDZ22B,115	934054867115	PDZ22B-QX	934663761115
PDZ22BZ	934054867145	PDZ22B-QZ	934663761145
PDZ24B,115	934054868115	PDZ24B-QX	934663707115
PDZ27BF	934054869135	PDZ27B-QF	934663709135
PDZ27B,115	934054869115	PDZ27B-QX	934663709115
PDZ27BZ	934054869145	PDZ27B-QZ	934663709145
PDZ3.0B,115	934054846115	PDZ3.0B-QX	934663719115
PDZ3.3B,115	934054847115	PDZ3.3B-QX	934663718115
PDZ3.6B,115	934054848115	PDZ3.6B-QX	934663716115
PDZ3.9B,115	934054849115	PDZ3.9B-QX	934663717115
PDZ30B,115	934054870115	PDZ30B-QX	934663710115
PDZ33B,115	934054871115	PDZ33B-QX	934663705115
PDZ36B,115	934054872115	PDZ36B-QX	934663708115
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PDZ4.7B,115	934054851115	PDZ4.7B-QX	934663715115
PDZ5.1B,115	934054852115	PDZ5.1B-QX	934663704115
PDZ5.6B,115	934054853115	PDZ5.6B-QX	934663703115
PDZ6.2B,115	934054854115	PDZ6.2B-QX	934663713115
PDZ6.8B,115	934054855115	PDZ6.8B-QX	934663721115
PDZ7.5B,115	934054856115	PDZ7.5B-QX	934663723115
PDZ8.2B,115	934054857115	PDZ8.2B-QX	934663720115
PDZ9.1B,115	934054858115	PDZ9.1B-QX	934663714115
PMBTA06,215	933776020215	PMBTA06-QR	934663553215
PMBTA06,235	933776020235	PMBTA06-QVL	934663553235
PUMD3,115	934050170115	PUMD3-QX	934663626115
PUMD3,165	934050170165	PUMD3-QZ	934663626165
PUMD9,115	934055050115	PUMD9-QX	934663629115
PUMH9,125	934055557125	PUMH9-QH	934663635125
PUMH9,115	934055557115	PUMH9-QX	934663635115
PUMH9,165	934055557165	PUMH9-QZ	934663635165