



Product Change Notification **CN-202110031F**

Issue date: 26 Oct 2021
Effective date: 26 Sep 2022

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 2

Change Category

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

Details of this change

Successor of withdrawn PCN CN-202110022F & 29F: Nexperia’s Business Group Bipolar Discretes will remove the “Automotive qualification status” for selected parts of its standard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.

202110031F_Automotive_Plus_Wave2-FORM-Rev_4_0.pdf:
https://qcm.nexperia.com/Document/DOC-520639/202110031F_Automotive_Plus_Wave2-FORM-Rev_4_0.pdf

202110031F_Automotive_Plus_Wave2-Delta-Qualification-Matrix-ZVEI-4_1.pdf:
https://qcm.nexperia.com/Document/DOC-520583/202110031F_Automotive_Plus_Wave2-Delta-Qualification-Matrix-ZVEI-4_1.pdf

202110031F_Automotive_Plus_Wave2_Self_Qualification.pdf:
https://qcm.nexperia.com/Document/DOC-520585/202110031F_Automotive_Plus_Wave2_Self_Qualification.pdf

202110031F_Automotive_Plus_Wave_2_CrossList.pdf:
https://qcm.nexperia.com/Document/DOC-520582/202110031F_Automotive_Plus_Wave_2_CrossList.pdf

Why do we implement this change?

To inform customers of standard products that the automotive qualification status will be removed as of 1st October 2022. 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 Oct 2021

Sample information

Samples are available upon request

Impact

Impact to the product's functionality is 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 October 2022 onwards (products with production date-code before 1st of October 2022 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 October 2021 onwards. The changes on standard portfolio will apply from 1st of October 2022 onwards.

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 25 Nov 2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

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 2022). 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.

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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12NC	Orderable Part Number
934054922115	1PS76SB21,115
934054922135	1PS76SB21F
934054922145	1PS76SB21Z
934057048115	2PD601ARW,115
934057050115	2PD601ASW,115
933460620215	BAS16,215
933460620235	BAS16,235
934058257115	BAS16H,115
934060935115	BAS16J,115
934060935135	BAS16J,135
934057247315	BAS16L,315
934022380115	BAS16W,115
934022380135	BAS16WF
933502030215	BAS20,215
933502030235	BAS20,235
934044300115	BAS40-05W,115
934044310115	BAS40-06W,115
934044310135	BAS40-06WF
934055217115	BAS516,115
934055217135	BAS516,135
934055217315	BAS516,315
934020790215	BAS70,215
934020790235	BAS70,235
934020820215	BAS70-06,215
934064494115	BAT46WJ,115
934064494135	BAT46WJF
934060934115	BAT54J,115
934028880115	BAT54W,115
934028880135	BAT54W,135
934055715115	BAT760,115
934055715135	BAT760F
934055715145	BAT760Z
934054800115	BAV199W,115
934057353115	BAW101S,115
933098990215	BAW56,215
933098990235	BAW56,235
934063471115	BC846BPN,115
934055429115	BC846S,115
934055429125	BC846S,125
934055429135	BC846SF
934055429165	BC846SZ
933932320215	BCV47,215
933932320235	BCV47,235
933418080115	BSR41,115
933418080135	BSR41F

933418100115	BSR43,115
934056661115	PBSS2515YPN,115
934031020215	PDTC124ET,215
934031020235	PDTC124ET,235
934068349215	PDTD143ETR
934068349235	PDTD143ETVL
934660579115	PMEG120G10ELRX
934066026315	PMEG2005BELD,315
934059023115	PMEG2005EH,115
934059001115	PMEG2005EJ,115
934057757115	PMEG2010AEB,115
934057757135	PMEG2010AEBF
934066836315	PMEG2010BELD,315
934059024115	PMEG3005EH,115
934059002115	PMEG3005EJ,115
934059002135	PMEG3005EJF
934057917115	PMEG3010BEA,115
934057917135	PMEG3010BEA,135
934057917145	PMEG3010BEAZ
934059739115	PMEG4002EB,115
934058009315	PMEG4002EL,315
934059025115	PMEG4005EH,115
934059003115	PMEG4005EJ,115
934059003135	PMEG4005EJF
934059511115	PMEG4010CEJ,115
934061051215	PMEG4010ET,215
934061463115	PMEG6010ER,115
934056289115	PUMB11,115
934056289135	PUMB11,135
934057883115	PUMB13,115
934055239115	PUMD10,115
934055239125	PUMD10,125
934055239135	PUMD10,135
934055432115	PUMD12,115
934055432135	PUMD12,135
934056288115	PUMD13,115
934056288135	PUMD13,135
934057889115	PUMD4,115
934055444115	PUMD48,115
934055444125	PUMD48,125
934055444165	PUMD48,165
934056189115	PUMH10,115
934056189125	PUMH10,125
934056189165	PUMH10Z
934049930115	PUMH11,115
934049930135	PUMH11F

934055787115	PUMH2,115
934055787135	PUMH2F
934025880115	PZTA44,115
934061305115	RB751V40,115