

**Final Product Change Notification**

202106014F01U01

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

UPDATE



**Management Summary**

New type number and ordering code (12NC) for Automotive qualified products  
 Removal of "Automotive qualification status" of current (standard) products

**Change Category**

- Wafer Fab Process
- Wafer Fab Materials
- Wafer Fab Location

- Assembly Process
- Assembly Materials
- Assembly Location

- Product Marking
- Mechanical Specification
- Packing/Shipping/Labeling

- Test Location
- Test Process
- Test Equipment

- Design
- Errata
- 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/Automotive_Plus_Self_Qualification.PDF)

[https://qcm.nexperia.com/change-notification-epcn/PCN-FORM\\_DeQuMa.zip](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.

#### **Additional information**

#### **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.

For specific questions on this notice or the products affected please contact our specialist directly:

**e-mail address** [pcn@nexperia.com](mailto: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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| Changed Orderable Part# | Changed Part 12NC | Changed Part Number | Changed Part Description                       | Package Outline | Package Name | Status | New Orderable Part# | New part 12NC | New Part number | New part description                           | Product Line      | Notes |
|-------------------------|-------------------|---------------------|--|-----------------|--------------|--------|---------------------|---------------|-----------------|--|-------------------|-------|
| 1P5765810,135           | 934045390135      | 1P5765810           | Schottky barrier single diode                  | SOD323          | SOD2         | RFS    | 1P5765810-QF        | 934663694135  | 1P5765810-Q     | Schottky barrier single diode                  | Bipolar Discretes |       |
| 1P5765810,115           | 934045390115      | 1P5765810           | Schottky barrier single diode                  | SOD323          | SOD2         | RFS    | 1P5765810-QF        | 934663694115  | 1P5765810-Q     | Schottky barrier single diode                  | Bipolar Discretes |       |
| BA516V,125              | 934057343125      | BA516V-Q            | High-speed switching diodes                    | SO136P          | SC-88        | RFS    | BA516V-QH           | 934663649125  | BA516V-Q        | High-speed switching diodes                    | Bipolar Discretes |       |
| BA516V,115              | 934057343115      | BA516V-Q            | High-speed switching diodes                    | SO136P          | SC-88        | RFS    | BA516V-QH           | 934663649115  | BA516V-Q        | High-speed switching diodes                    | Bipolar Discretes |       |
| BA521,215               | 933502402115      | BA521-Q             | High-voltage switching diode                   | WTO23           | TO-236AB     | RFS    | BA521-QR            | 934663621115  | BA521-Q         | Switching Diodes                               | Bipolar Discretes |       |
| BA521,235               | 93350240235       | BA521-Q             | High-voltage switching diode                   | WTO23           | TO-236AB     | RFS    | BA521-QVL           | 934663621235  | BA521-Q         | Switching Diodes                               | Bipolar Discretes |       |
| BA5316,135              | 934054945135      | BA5316-Q            | High-speed switching diodes                    | SOD323          | SOD2         | RFS    | BA5316-QF           | 934663618135  | BA5316-Q        | High-speed switching diodes                    | Bipolar Discretes |       |
| BA5316,115              | 934054945115      | BA5316-Q            | High-speed switching diodes                    | SOD323          | SOD2         | RFS    | BA5316-QX           | 934663618115  | BA5316-Q        | High-speed switching diodes                    | Bipolar Discretes |       |
| BA5316Z                 | 934054945145      | BA5316-QZ           | High-speed switching diodes                    | SOD323          | SOD2         | RFS    | BA5316-QZ           | 934663618145  | BA5316-QZ       | High-speed switching diodes                    | Bipolar Discretes |       |
| BA5321,135              | 934055352135      | BA5321-Q            | General purpose diode                          | SOD323          | SOD2         | RFS    | BA5321-QF           | 934663623135  | BA5321-Q        | General purpose diode                          | Bipolar Discretes |       |
| BA5321,115              | 934055352115      | BA5321-Q            | General purpose diode                          | SOD323          | SOD2         | RFS    | BA5321-QX           | 934663623115  | BA5321-Q        | General purpose diode                          | Bipolar Discretes |       |
| BA75A,215               | 933742280215      | BA75A-Q             | Schottky barrier diodes                        | WTO23           | TO-236AB     | RFS    | BA75A-QR            | 934663650215  | BA75A-Q         | Schottky barrier diodes                        | Bipolar Discretes |       |
| BA75A,235               | 933742280235      | BA75A-Q             | Schottky barrier diodes                        | WTO23           | TO-236AB     | RFS    | BA75A-QVL           | 934663650235  | BA75A-Q         | Schottky barrier diodes                        | Bipolar Discretes |       |
| BA75A4A,215             | 933976360215      | BA75A4A-Q           | Schottky barrier diodes                        | WTO23           | TO-236AB     | RFS    | BA75A4A-QR          | 934663651215  | BA75A4A-Q       | Schottky barrier diodes                        | Bipolar Discretes |       |
| BA75A4A,235             | 933976360235      | BA75A4A-Q           | Schottky barrier diodes                        | WTO23           | TO-236AB     | RFS    | BA75A4A-QVL         | 934663651235  | BA75A4A-Q       | Schottky barrier diodes                        | Bipolar Discretes |       |
| BA754C,215              | 933976370215      | BA754C-Q            | Schottky barrier diodes                        | WTO23           | TO-236AB     | RFS    | BA754C-QR           | 934663652215  | BA754C-Q        | Schottky Diodes                                | Bipolar Discretes |       |
| BA754C,235              | 933976370235      | BA754C-Q            | Schottky barrier diodes                        | WTO23           | TO-236AB     | RFS    | BA754C-QVL          | 934663652235  | BA754C-Q        | Schottky Diodes                                | Bipolar Discretes |       |
| BA754S,215              | 933976380215      | BA754S-Q            | Schottky barrier diodes                        | WTO23           | TO-236AB     | RFS    | BA754S-QR           | 934663643215  | BA754S-Q        | Schottky Diodes                                | Bipolar Discretes |       |
| BA754S,235              | 933976380235      | BA754S-Q            | Schottky barrier diodes                        | WTO23           | TO-236AB     | RFS    | BA754S-QVL          | 934663643235  | BA754S-Q        | Schottky Diodes                                | Bipolar Discretes |       |
| BAV70,215               | 933184910215      | BAV70-Q             | High-speed switching diodes                    | WTO23           | TO-236AB     | RFS    | BAV70-QR            | 934663645215  | BAV70-Q         | Switching Diodes                               | Bipolar Discretes |       |
| BAV70,235               | 933184910235      | BAV70-Q             | High-speed switching diodes                    | WTO23           | TO-236AB     | RFS    | BAV70-QVL           | 934663645235  | BAV70-Q         | Switching Diodes                               | Bipolar Discretes |       |
| BAV70S,135              | 934057470135      | BAV70S-Q            | High-speed switching diodes                    | SO136P          | SC-88        | RFS    | BAV70S-QF           | 934663653135  | BAV70S-Q        | High-speed switching diodes                    | Bipolar Discretes |       |
| BAV70S,115              | 934057470115      | BAV70S-Q            | High-speed switching diodes                    | SO136P          | SC-88        | RFS    | BAV70S-QX           | 934663653115  | BAV70S-Q        | High-speed switching diodes                    | Bipolar Discretes |       |
| BAV70W,115              | 934024390115      | BAV70W-Q            | High-speed switching diodes                    | SO1323          | SC-70        | RFS    | BAV70W-QX           | 934663620115  | BAV70W-Q        | Switching Diodes                               | Bipolar Discretes |       |
| BAV99,215               | 933215370215      | BAV99-Q             | BAV99  | WTO23           | TO-236AB     | RFS    | BAV99-QR            | 934663624215  | BAV99-Q         | Switching Diodes                               | Bipolar Discretes |       |
| BAV99,235               | 933215370235      | BAV99-Q             | BAV99  | WTO23           | TO-236AB     | RFS    | BAV99-QVL           | 934663624235  | BAV99-Q         | Switching Diodes                               | Bipolar Discretes |       |
| BAV99W,135              | 934026010135      | BAV99W-Q            | High-speed switching diodes                    | SO1323          | SC-70        | RFS    | BAV99W-QF           | 934663636135  | BAV99W-Q        | Switching Diodes                               | Bipolar Discretes |       |
| BAV99W,115              | 934026010115      | BAV99W-Q            | High-speed switching diodes                    | SO1323          | SC-70        | RFS    | BAV99W-QX           | 934663636115  | BAV99W-Q        | Switching Diodes                               | Bipolar Discretes |       |
| BAW56S,115              | 934045730115      | BAW56S-Q            | High-speed switching diodes                    | SO136P          | SC-88        | RFS    | BAW56S-QX           | 934663654115  | BAW56S-Q        | High-speed switching diodes                    | Bipolar Discretes |       |
| BAW56W,115              | 934045730135      | BAW56W-Q            | High-speed switching diodes                    | SO1323          | SC-70        | RFS    | BAW56W-QX           | 934663652115  | BAW56W-Q        | Switching Diodes                               | Bipolar Discretes |       |
| BC807-16,215            | 933628560215      | BC807-16-Q          | 45 V, 500 mA PNP general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC807-16-QR         | 934663652215  | BC807-16-Q      | 45 V, 500 mA PNP general-purpose transistors   | Bipolar Discretes |       |
| BC807-16,235            | 933628560235      | BC807-16-Q          | 45 V, 500 mA PNP general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC807-16-QVL        | 934663652235  | BC807-16-Q      | 45 V, 500 mA PNP general-purpose transistors   | Bipolar Discretes |       |
| BC807-16W,115           | 934024240115      | BC807-16W-Q         | 45 V, 500 mA PNP general-purpose transistors   | SO1323          | SC-70        | RFS    | BC807-16W-QX        | 934663662115  | BC807-16W-Q     | 45 V, 500 mA PNP general-purpose transistors   | Bipolar Discretes |       |
| BC807-25,215            | 933628570215      | BC807-25-Q          | 45 V, 500 mA PNP general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC807-25-QR         | 934663652515  | BC807-25-Q      | 45 V, 500 mA PNP general-purpose transistors   | Bipolar Discretes |       |
| BC807-25,235            | 933628570235      | BC807-25-Q          | 45 V, 500 mA PNP general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC807-25-QVL        | 934663652535  | BC807-25-Q      | 45 V, 500 mA PNP general-purpose transistors   | Bipolar Discretes |       |
| BC807-25W,115           | 934024250115      | BC807-25W-Q         | 45 V, 500 mA PNP general-purpose transistors   | SO1323          | SC-70        | RFS    | BC807-25W-QX        | 934663660115  | BC807-25W-Q     | 45 V, 500 mA PNP general-purpose transistors   | Bipolar Discretes |       |
| BC807-40,215            | 933628580215      | BC807-40-Q          | 45 V, 500 mA PNP general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC807-40-QR         | 934663627215  | BC807-40-Q      | small signal transistor                        | Bipolar Discretes |       |
| BC807-40,235            | 933628580235      | BC807-40-Q          | 45 V, 500 mA PNP general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC807-40-QVL        | 934663627235  | BC807-40-Q      | small signal transistor                        | Bipolar Discretes |       |
| BC807-40W,135           | 934024260135      | BC807-40W-Q         | 45 V, 500 mA PNP general-purpose transistors   | SO1323          | SC-70        | RFS    | BC807-40W-QX        | 934663659135  | BC807-40W-Q     | small signal transistor                        | Bipolar Discretes |       |
| BC807-40W,115           | 934024260115      | BC807-40W-Q         | 45 V, 500 mA PNP general-purpose transistors   | SO1323          | SC-70        | RFS    | BC807-40W-QVL       | 934663659115  | BC807-40W-Q     | small signal transistor                        | Bipolar Discretes |       |
| BC807,215               | 933589500215      | BC807-Q             | 45 V, 500 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC807-QR            | 934663657215  | BC807-Q         | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC807W,115              | 934027170115      | BC807W-Q            | 45 V, 500 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC807W-QX           | 934663661115  | BC807W-Q        | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC817-16,215            | 933628620215      | BC817-16-Q          | 45 V, 500 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC817-16-QR         | 934663664215  | BC817-16-Q      | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC817-16,235            | 933628620235      | BC817-16-Q          | 45 V, 500 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC817-16-QVL        | 934663664235  | BC817-16-Q      | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC817-16W,115           | 934021920115      | BC817-16W-Q         | 45 V, 500 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC817-16W-QX        | 934663666115  | BC817-16W-Q     | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC817-25,215            | 933628630215      | BC817-25-Q          | 45 V, 500 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC817-25-QR         | 934663634215  | BC817-25-Q      | small signal transistor                        | Bipolar Discretes |       |
| BC817-25,235            | 933628630235      | BC817-25-Q          | 45 V, 500 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC817-25-QVL        | 934663634235  | BC817-25-Q      | small signal transistor                        | Bipolar Discretes |       |
| BC817-25W,135           | 934021930135      | BC817-25W-Q         | 45 V, 500 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC817-25W-QX        | 934663665135  | BC817-25W-Q     | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC817-25W,115           | 934021930115      | BC817-25W-Q         | 45 V, 500 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC817-25W-QVL       | 934663665115  | BC817-25W-Q     | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC817-40,215            | 933628640215      | BC817-40-Q          | 45 V, 500 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC817-40-QR         | 934663621115  | BC817-40-Q      | small signal transistor                        | Bipolar Discretes |       |
| BC817-40,235            | 933628640235      | BC817-40-Q          | 45 V, 500 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC817-40-QVL        | 934663621135  | BC817-40-Q      | small signal transistor                        | Bipolar Discretes |       |
| BC817-40W,135           | 934021940135      | BC817-40W-Q         | 45 V, 500 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC817-40W-QX        | 934663622135  | BC817-40W-Q     | small signal transistor                        | Bipolar Discretes |       |
| BC817-40W,115           | 934021940115      | BC817-40W-Q         | 45 V, 500 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC817-40W-QVL       | 934663622115  | BC817-40W-Q     | small signal transistor                        | Bipolar Discretes |       |
| BC817,215               | 933589520215      | BC817-Q             | 45 V, 500 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC817-QR            | 934663662215  | BC817-Q         | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC817W,135              | 934021910135      | BC817W-Q            | 45 V, 500 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC817W-QX           | 934663667135  | BC817W-Q        | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC817W,115              | 934021910115      | BC817W-Q            | 45 V, 500 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC817W-QVL          | 934663667115  | BC817W-Q        | 45 V, 500 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC846,215               | 933589540215      | BC846-Q             | 65 V, 100 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC846-QR            | 934663671215  | BC846-Q         | 65 V, 100 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC846A,215              | 933589550215      | BC846A-Q            | 65 V, 100 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC846A-QR           | 934663682215  | BC846A-Q        | small signal transistor                        | Bipolar Discretes |       |
| BC846A,135              | 934045230135      | BC846A-Q            | 45 V, 100 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC846A-QVL          | 934663682235  | BC846A-Q        | small signal transistor                        | Bipolar Discretes |       |
| BC846AW,135             | 934021730135      | BC846AW-Q           | 65 V, 100 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC846AW-QX          | 934663693135  | BC846AW-Q       | 65 V, 100 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC846B,215              | 933589560215      | BC846B-Q            | 65 V, 100 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC846B-QR           | 934663628215  | BC846B-Q        | small signal transistor                        | Bipolar Discretes |       |
| BC846B,235              | 933589560235      | BC846B-Q            | 65 V, 100 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC846B-QVL          | 934663628235  | BC846B-Q        | small signal transistor                        | Bipolar Discretes |       |
| BC846BS,135             | 934063582135      | BC846BS-Q           | 65 V, 100 mA NP/NNP general-purpose transistor | SO136P          | SC-88        | RFS    | BC846BS-QX          | 934663691135  | BC846BS-Q       | 65 V, 100 mA NP/NNP general-purpose transistor | Bipolar Discretes |       |
| BC846BS,115             | 934063582115      | BC846BS-Q           | 65 V, 100 mA NP/NNP general-purpose transistor | SO136P          | SC-88        | RFS    | BC846BS-QX          | 934663691115  | BC846BS-Q       | 65 V, 100 mA NP/NNP general-purpose transistor | Bipolar Discretes |       |
| BC846BW,135             | 934021740135      | BC846BW-Q           | 65 V, 100 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC846BW-QX          | 934663690135  | BC846BW-Q       | small signal transistor                        | Bipolar Discretes |       |
| BC846BW,115             | 934021740115      | BC846BW-Q           | 65 V, 100 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC846BW-QVL         | 934663690115  | BC846BW-Q       | small signal transistor                        | Bipolar Discretes |       |
| BC846W,135              | 934021970135      | BC846W-Q            | 65 V, 100 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC846W-QX           | 934663677235  | BC846W-Q        | 45 V, 100 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC846W,115              | 934021970115      | BC846W-Q            | 65 V, 100 mA NPN general-purpose transistors   | SO1323          | SC-70        | RFS    | BC846W-QVL          | 934663677215  | BC846W-Q        | 45 V, 100 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC847,215               | 933589570215      | BC847-Q             | 45 V, 100 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC847-QR            | 934663672115  | BC847-Q         | 45 V, 100 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC847,235               | 933589570235      | BC847-Q             | 45 V, 100 mA NPN general-purpose transistors   | WTO23           | TO-236AB     | RFS    | BC847-QVL           | 934663672135  | BC847-Q         | 45 V, 100 mA NPN general-purpose transistors   | Bipolar Discretes |       |
| BC847A,215              | 933589580215      | BC847A-Q            | 45 V, 100 mA NPN general-purpose transistors</ |                 |              |        |                     |               |                 |  |                   |       |

|               |              |           |  |        |          |     |              |              |             |  |                   |
|---------------|--------------|-----------|--|--------|----------|-----|--------------|--------------|-------------|--|-------------------|
| PDZ13B,115    | 934054862115 | PDZ13B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ13B-QX    | 934663702115 | PDZ13B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ15B,115    | 934054863115 | PDZ15B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ15B-QX    | 934663648115 | PDZ15B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ15BZ       | 934054863145 | PDZ15B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ15B-QZ    | 934663648145 | PDZ15B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ16B,135    | 934054864135 | PDZ16B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ16B-QF    | 934663642135 | PDZ16B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ16B,115    | 934054864115 | PDZ16B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ16B-QX    | 934663642115 | PDZ16B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ18BF       | 934054865135 | PDZ18B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ18B-QF    | 934663701135 | PDZ18B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ18B,115    | 934054865115 | PDZ18B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ18B-QX    | 934663701115 | PDZ18B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ2,4B,115   | 934054842115 | PDZ2,4B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ2,4B-QX   | 934663725115 | PDZ2,4B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ2,7B,115   | 934054843115 | PDZ2,7B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ2,7B-QX   | 934663724115 | PDZ2,7B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ20B,115    | 934054866115 | PDZ20B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ20B-QX    | 934663706115 | PDZ20B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ22B,115    | 934054867115 | PDZ22B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ22B-QX    | 934663761115 | PDZ22B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ24B,115    | 934054868115 | PDZ24B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ24B-QX    | 934663707115 | PDZ24B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ27B,115    | 934054869115 | PDZ27B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ27B-QX    | 934663709115 | PDZ27B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ3,0B,115   | 934054846115 | PDZ3,0B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ3,0B-QX   | 934663719115 | PDZ3,0B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ3,3B,115   | 934054847115 | PDZ3,3B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ3,3B-QX   | 934663718115 | PDZ3,3B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ3,6B,115   | 934054848115 | PDZ3,6B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ3,6B-QX   | 934663716115 | PDZ3,6B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ3,9B,115   | 934054849115 | PDZ3,9B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ3,9B-QX   | 934663717115 | PDZ3,9B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ30B,115    | 934054870115 | PDZ30B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ30B-QX    | 934663710115 | PDZ30B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ33B,115    | 934054871115 | PDZ33B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ33B-QX    | 934663705115 | PDZ33B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ36B,115    | 934054872115 | PDZ36B    | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ36B-QX    | 934663708115 | PDZ36B-Q    | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ4,3B,115   | 934054850115 | PDZ4,3B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ4,3B-QX   | 934663722115 | PDZ4,3B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ4,7B,135   | 934054851135 | PDZ4,7B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ4,7B-QF   | 934663715135 | PDZ4,7B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ4,7B,115   | 934054851115 | PDZ4,7B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ4,7B-QX   | 934663715115 | PDZ4,7B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ5,1BF      | 934054852135 | PDZ5,1B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ5,1B-QF   | 934663704135 | PDZ5,1B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ5,1B,115   | 934054852115 | PDZ5,1B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ5,1B-QX   | 934663704115 | PDZ5,1B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ5,6B,115   | 934054853115 | PDZ5,6B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ5,6B-QX   | 934663703115 | PDZ5,6B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ6,2B,115   | 934054854115 | PDZ6,2B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ6,2B-QX   | 934663713115 | PDZ6,2B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ6,8B,115   | 934054855115 | PDZ6,8B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ6,8B-QX   | 934663721115 | PDZ6,8B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ7,5B,115   | 934054856115 | PDZ7,5B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ7,5B-QX   | 934663723115 | PDZ7,5B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ8,2B,115   | 934054857115 | PDZ8,2B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ8,2B-QX   | 934663720115 | PDZ8,2B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PDZ9,1B,115   | 934054858115 | PDZ9,1B   | Voltage regulator diodes                           | SOD323 | SOD2     | RFS | PDZ9,1B-QX   | 934663714115 | PDZ9,1B-Q   | Voltage regulator diodes                           | Bipolar Discretes |
| PMBTA06,215   | 933776020215 | PMBTA06   | NPN general purpose transistor                     | SOT23  | TO-236AB | RFS | PMBTA06-QR   | 934663552115 | PMBTA06-Q   | NPN general purpose transistor                     | Bipolar Discretes |
| PMBTA06,235   | 933776020235 | PMBTA06   | NPN general purpose transistor                     | SOT23  | TO-236AB | RFS | PMBTA06-QVL  | 934663552135 | PMBTA06-Q   | NPN general purpose transistor                     | Bipolar Discretes |
| PUMD3,135     | 934050170135 | PUMD3     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMD3-QF     | 934663626135 | PUMD3-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMD3,125     | 934050170125 | PUMD3     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMD3-QH     | 934663626125 | PUMD3-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMD3,115     | 934050170115 | PUMD3     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMD3-QX     | 934663626115 | PUMD3-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMD3,165     | 934050170165 | PUMD3     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMD3-QZ     | 934663626165 | PUMD3-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMD9,135     | 934055050135 | PUMD9     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMD9-QF     | 934663629135 | PUMD9-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMD9,115     | 934055050115 | PUMD9     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMD9-QX     | 934663629115 | PUMD9-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMD9,165     | 934055050165 | PUMD9     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMD9-QZ     | 934663629165 | PUMD9-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMH9,135     | 934055557135 | PUMH9     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMH9-QF     | 934663635135 | PUMH9-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMH9,125     | 934055557125 | PUMH9     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMH9-QH     | 934663635125 | PUMH9-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMH9,115     | 934055557115 | PUMH9     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMH9-QX     | 934663635115 | PUMH9-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PUMH9,165     | 934055557165 | PUMH9     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | SOT363 | SC-88    | RFS | PUMH9-QZ     | 934663635165 | PUMH9-Q     | NPN/PNP resistor-equipped transistors; R1 = 10 kOh | Bipolar Discretes |
| PZU6.2B2A,115 | 934062786115 | PZU6.2B2A | Single Zener diodes                                | SOD323 | SOD2     | RFS | PZU6.2B2A-QX | 934663760115 | PZU6.2B2A-Q | Single Zener diodes                                | Bipolar Discretes |