

Final Product Change Notification

201811009F01U01

Issue Date: 09-Jan-2019
Effective Date: 15-Apr-2019
 Dear *Patricio Gomez Bello*,

UPDATE

Here's your personalized quality information concerning products Premier Farnell PLC purchased from Nexperia. For detailed information we invite you to [view this notification online](#)



Change Category

- | | | | | |
|---|--|--|---|---|
| <input checked="" 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 checked="" type="checkbox"/> Wafer Fab Materials | <input checked="" 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 type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test Equipment | <input type="checkbox"/> Electrical spec./Test coverage |

Release of 8 inch wafer diameter for general-purpose Schottky diodes

Details of this Change

Release of 8 inch wafer diameter for general-purpose Schottky diodes and Schottky barrier rectifiers. In addition the top side metallization of the affected diodes will be adapted for standarization reasons.

Old products: Production using 6 inch wafer diameter, top side metallization with 1.6µm
 Changed products: Production using 6 and 8 inch wafer diameter, top side metallization with 1.5µm (for 8 inch wafer)

Selected types have a change of wire material from Au to Cu with release of 2nd source mold compound and release of lead frame design version SOT323 R1 that have been announced for structurally similar types with precvious PCNs as denoted in attached document.

Production on 8 inch wafer diameter implies the use of the respective 8 inch wafer process technology.

Why do we Implement this Change

To increase flexibility and volume ramp-up.

Identification of Affected Products

The 8 inch products can be identified by a marker on the die surface. Changed products can be identified by date code after implementation.

Product Availability

Sample Information

Samples are available upon request
Latest sample request date for PCN samples is 31-Jan-2019.

Production

Planned first shipment 01-May-2019

Update Information

This update informs about the new contact address for PCN-related questions.

The content and schedule of this notification is not affected by this update.

Impact

No impact to the products' functionality anticipated.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted.
Supply using 6 inch wafer will be continued.

Additional information

Affected products and sales history information: see attached file

Self qualification: [view online](#)



Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 08-Feb-2019. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please [contact Nexperia "Global Quality Support Team"](#).

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-Bipolar.Discretes@nexperia.com

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 70 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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