

**Final Product Change Notification**

201911006F01

**Issue Date:** 11-Jan-2020

**Effective Date:** 25-Apr-2020

Dear *Emma Tempest*,

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 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 low leakage switching diodes**

**Details of this Change**

Release of 8 inch wafer diameter for switching diodes in various packages.

Old products: Production using 6 inch wafer diameter.

Changed products: Production using 6 and 8 inch wafer diameter.

Please refer to the Self Qualification Report for details and list of affected product types.

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

**Why do we Implement this Change**

- Improved supply situation by capacity expansion in the waf fab
- State of the Art technology by continuous alignment with world class technology trends
- Increased flexibility and improved 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 05-February-2020.

### Production

Planned first shipment 20-Apr-2020

## Impact

No impact on 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 in parallel to 8 inch wafer production.

## Additional information

Affected products and sales history information: see attached file

Self qualification: [view online](#)

Additional documents: [view online](#)



## Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 10-Feb-2020. 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](mailto: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 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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