

Final Product Change Notification

201908003F01

Issue Date: 11-Oct-2019

Effective Date: 23-Jan-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 type="checkbox"/> Wafer Fab Process | <input checked="" 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 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 checked="" type="checkbox"/> Assembly Location | <input type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test Equipment | <input type="checkbox"/> Electrical spec./Test coverage |

2nd source CuSn plating and Black Coating for ESD protection diodes

Details of this Change

Introduce Huatian Kunshan (HTKS), China, as second source for CuSn plating, wafer grinding and wafer back side black coating process steps.

Release Nexperia Hamburg (DHAM), Germany, as second source for CuSn plating and wafer grinding process steps (already released process for other product types).

Release Nexperia GuangDong (ATGD), China, as second source for wafer back side black coating process (already released process for other product types).

The new process flows are in addition to current JiangYin ChangDian Advanced Packing (JCAP), China, process flow for dedicated ESD protection devices in SOD962 package.

The diffusion process is kept unchanged.
The design, form and fit remain unchanged.

Testing, sawing and T&R processes remain unchanged at Nexperia GuangDong (ATGD). Reliability qualification and full electrical characterization was successfully performed.

Why do we Implement this Change

The implementation of the additional sources will increase production capacity and flexibility to ensure fulfillment of customer demands.

Identification of Affected Products

Identification of products is given by Lot number on package box.

Product Availability

Sample Information

Samples are available upon request

Production

Planned first shipment 23-Jan-2020

Impact

No impact to the product's functionality anticipated.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

2nd sourcing in addition to existing process flow

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 09-Nov-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.Discretetes@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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