

Final Product Change Notification

201803001F01

Issue Date: 24-Mar-2018

Effective Date: 06-Jul-2018

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For detailed information we invite you to view this notification online



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 second source mold compound for MOSFET product types in SOT457

Details of this Change

Scheduled change affects small signal MOSFET product types in SOT457 (SC-74) package only. A second source mold compound will be introduced for the affected products.

Old product: current mold compound supplier is used for production

Changed product: current and new second source mold compound supplier is used for production

The design and materials of all other components will remain unchanged, i.e. no change of lead frame, die, die attach, and bond wire. Reliability qualification and full electrical characterization over temperature has been performed. No change on thermal behavior or mechanical dimensions. Electrical parameters remain unchanged (in specification and with the same distribution).

Why do we implement this Change

Following Nexperia company policy and second source material availability, a new second source mold compound will be added to the BOM. The second source is already a well-established mold compound supplier for Nexperia discrete semiconductor products.

Identification of Affected Products

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 23-Apr-2018.

Production

Planned first shipment 16-Jul-2018

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

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 23-Apr-2018. 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 DiscrQA.Helpdesk.GA-Products@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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Affected Part Numbers

PMN30UNX

PMN52XPX

PMN40ENEX

PMN30XPX

PMN70XPX

PMN16XNEX

PMN30UNEX