Final Product Change Notification

Issue Date: 01-Apr-2020
Effective Date: 14-Jul-2020

Dear Product Data,

Here’s your personalized quality information concerning products Mouser Electronics purchased from Nexperia. For detailed information we invite you to view this notification online.

Change Category
- Wafer Fab
- Process
- Wafer Fab
- Materials
- Location
- Assembly Process
- Materials
- Location
- Product Marking
- Mechanical Specification
- Test Location
- Design
- Electrical spec./Test coverage

Release of 8 inch wafer diameter for Zener and protection diodes

Details of this Change
- Release of 8 inch wafer diameter for Zener and protection diodes.
- Old products: Production using 6 inch wafer diameter
- Changed products: Production using 6 and 8 inch wafer diameter
- Selected types have a change in die size along with release of 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
- Capacity expansion in wafer fab
- Next phase in 8 inch release after start with 8 inch implementation of bipolar transistors in 2011
- Continued alignment with world technology trends on state of the art production tools for discrete components
- Increase flexibility and volume ramp-up

Identification of Affected Products
- The 8 inch products can be identified by a marker on the die surface.

Product Availability

Sample Information
- Samples are available upon request
- Latest sample request date for PCN samples is 01-May-2020

Production
- Planned first shipment 14-Jul-2020

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 in parallel to 8 inch wafer production.

Additional information
Self qualification: view online
Additional documents: view online

Timing and Logistics
Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 01-May-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

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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