

Final Product Change Notification

202011011F01

Issue Date: 01-Jan-2021

Effective Date: 15-Apr-2021

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia.
For More details Please Contact your respective Nexperia CSR/AM.



Change Category

- | | | | | |
|---------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|-----------------------------------------|---------------------------------------------------------|
| <input checked="" 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 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 checked="" 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 PMEGxESF in SOD962

Details of this Change

Release of 8 inch wafer diameter for MEGA Schottky barrier rectifier in SOD962 package (PMEGxESF) within the introduction of 8 inch wafer diameter in Nexperias' industrial landscape.

Old products: Production using 6 inch wafer diameter.

Changed products: Production using 8 inch wafer diameter.

Introduce Huatian Kunshan (HTKS), China, as second source for CuSn plating and wafer grinding.

The process flow at HTKS is already released for other Nexperia product types.

The new process flow is in addition to the current JiangYin ChangDian Advanced Packing (JCAP), China, process flow for devices in SOD962 package.

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.

For PMEG2002ESF only: the black coating on the back side will be removed after change. The package dimensions are kept unchanged.

Adobe will no longer be supporting Flash Player after 31 December 2020 and Adobe will block Flash content from running in Flash Player beginning 12 January 2021. Therefore it is not possible to access the Nexperia ePCN-tool anymore.

Please use the below link to access related documentation to this change notification:

https://qcm.nexperia.com/change-notification-epcn/SQR_PCN_202011011F01_Nexperia.pdf

Why do we Implement this Change

- Capacity expansion in wafer fab
- Next phase in 8inch release after start with 8inch implementation of bipolar transistors in 2011
- Continued alignment with world technology trends on state of the art production tools for Discrete components
- Increased flexibility and volume ramp-up

Identification of Affected Products

Changed products can be identified by date code after implementation.

Product Availability

Sample Information

Samples are available upon request

Production

Planned first shipment 15-Apr-2021

Impact

No impact to the products' functionality is 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 31-Jan-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Contact and Support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support team.

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.

You have received this email because you are a designated contact or subscribed to Nexperia Quality Notifications. Nexperia shall not be held liable if this Notification is not correctly distributed within your organization.

This message has been automatically distributed. Please do not reply.

Nexperia |

Nexperia B.V.

Jonkerbosplein 52 6534 AB Nijmegen, The Netherlands

© 2017 Nexperia. All rights reserved.

Affected Part Numbers

PMEG2005ESFYL

PMEG4005ESFYL