

Final Product Change Notification

202103007F01U01

Issue Date: 25-Jun-2021
Effective Date: 01-Aug-2021

UPDATE

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



Management Summary

UPDATE for component PMEG2002AESF only: Missing information regarding visual appearance after change has been added to the SQR in Chapter 3.2 and Chapter 9.

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 PMEGxAESF in SOD962

Details of this Change

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

Old products: Production using 6 inch wafer diameter.

Changed products: Production using 6 inch and 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.

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_202103007F01U01.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 01-Aug-2021

Update Information

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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

Additional information

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 25-Jul-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.

For specific questions on this notice or the products affected please contact our specialist directly:

e-mail address pcn@nexperia.com

In case of distribution, please contact your distribution partner.

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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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Name	Status	Product Line	Notes
PMEG4005AESFYL	934068553315	PMEG4005AESF	40 V, 0.5 A low VF MEGA Schottky barrier re SOD962		RFS	Bipolar Discretes	PMEG40
PMEG3005AESFYL	934068436315	PMEG3005AESF	30 V, 0.5 A low VF MEGA Schottky barrier re SOD962		RFS	Bipolar Discretes	PMEG30
PMEG4002AESFYL	934068039315	PMEG4002AESF	40 V, 0.2 A low VF MEGA Schottky barrier re SOD962		RFS	Bipolar Discretes	PMEG40
PMEG2002AESF,315	934065236315	PMEG2002AESF	20 V, 0.2 A low VF MEGA Schottky barrier re SOD962		RFS	Bipolar Discretes	PMEG20
PMEG3002AESFYL	934068037315	PMEG3002AESF	30 V, 0.2 A low VF MEGA Schottky barrier re SOD962		RFS	Bipolar Discretes	PMEG30

105AESF
105AESF
102AESF
102AESF
102AESF