

Final Product Change Notification

201611012F01U01

Issue Date: 04-Mar-2017
Effective Date: 16-Jun-2017

UPDATE

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia.
 For detailed information we invite you to view this notification online



Management Summary

This update notification is sent because of possible transmission issues during transition from NXP to Nexperia. There is no change of the contents.

Change Category

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

Change ssMOS wafer supplier; in SOT23 change bond wire, mold compound and leadframe

Details of this Change

Scheduled changes affect ssMOSFET types PMV130ENEA, PMV130ENEA/DG/B2 in package SOT23 and PMXB360ENEA in package DFN1010D-3 (SOT1215).

The products made using the T6 TrenchMOS silicon process sourced from Global Foundries, Singapore, will be qualified in the Nexperia (formerly: NXP) Manchester UK Fab.

For the types in package SOT23 the bond wire material will be changed from gold (Au) to copper (Cu) and a new mold compound and lead frame supplier will be introduced.

Reliability qualification and full electrical characterization over temperature have been performed. No change on thermal behavior or mechanical dimensions. Electrical parameters remain unchanged (in specification and with the same distribution), except for parameter Rg.

No impact to the products' functionality anticipated.

For details please see the SQR enclosed to this PCN.

Why do we Implement this Change

Since Global Foundries stopped the production of TrenchMOS wafer types, they will be transferred to the Nexperia inhouse wafer fab.

Nexperia continues to introduce copper wire for plastic SMD packages, aligning with world technology standards. Copper wire shows enhanced mechanical properties.

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 28-Mar-2017.

Production

Planned first shipment 10-Jun-2017

Update Information

Due to IT system problems during the transition from NXP to the new company Nexperia, it may be possible that some customers have not received the first notification of PCN 2016011012F01.

This update, which has the same content as the first notification, shall make sure that every customer is informed.

In case you have received the first notification, please disregard this update notification.

Impact

No impact to the products' functionality anticipated.

Data Sheet Revision

A new datasheet will be issued

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 03-Apr-2017.

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.

Nexperia Quality Management Team.

Manchester: powermos.pcn@nexperia.com

Nijmegen: logic.helpdesk@Nexperia.com

Hamburg: DiscrQA.Helpdesk.GA-Products@nexperia.com

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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Nexperia B.V.

Jonkerbosplein 52 6534 AB Nijmegen, The Netherlands

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Affected Part Numbers

PMXB360ENEAZ PMV130ENEAR

PMV130ENEAR PMXB360ENEAZ