

**Final Product Change Notification**

201903004F01

**Issue Date:** 01-Apr-2019  
**Effective Date:** 30-Jun-2019

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 For detailed information we invite you to view this notification online



**Management Summary**

For the product type PMN48XP in SOT457, changes of the assembly site, bond wire material, mold compound and the lead frame wre included in this PCN.

**Change Category**

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input checked="" type="checkbox"/> Product Marking	<input checked="" type="checkbox"/> Test Location	<input type="checkbox"/> Design
<input 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

**PMN48XP: Change assembly site; bond wire material, mold compound and leadframe**

**Details of this Change**

For the product PMN48XP the assembly location will be changed from ATSN Malaysia to ATGD China. Furthermore, the bond wire material will change from gold to copper, new mold compound and lead frame supplier will be introduced.

**Why do we Implement this Change**

The intention of this PCN is to introduce the change of the assembly location from current ATSN Malaysia to ATGD, PR China.

Furthermore the bond wire material will be changed from gold to copper. Since years, Nexperia started to introduce copper wire for small signal SMD packages (SOT23, SOT323, SOT457) for the first type families. Since then, several product types were converted. Several tens of billions of products with copper wire have been shipped since start of mass production. Accordingly, Nexperia continues the copper wire deployment with this PCN for additional product types in small signal SMD package SOT457.

The conversion is combined with the introduction of a new mold compound and lead frame supplier in SOT457. The suppliers and materials are already in use for Nexperia discrete semiconductor products in

different packages.

#### **Identification of Affected Products**

Top side marking

Assembly marking code will be change from "t" to "W".

#### **Product Availability**

##### **Sample Information**

Samples are available upon request

##### **Production**

Planned first shipment 01-Jul-2019

#### **Impact**

no impact to the product's 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 01-May-2019. 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.

<<<<<<< PCN2.html

#### **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# "PMN48XP,115"	Changed Part 12NC 934064772115	Changed Part Number PMN48XP	Changed Part Description small signal MOSFET	Package Outline SOT457	Package Name SC-74	Status RFS	Product Line MOS Discret
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