

**Final Product Change Notification**

202101004F01

**Issue Date:** 01-May-2021

**Effective Date:** 30-Oct-2021

Dear *Gordon Love*,

Here's your personalized quality information concerning products Premier Farnell PLC purchased from Nexperia.

For More details Please Contact your respective Nexperia CSR/AM.



**Management Summary**

Assembly and test transfer XQFN10/12/16 packages from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

**Change Category**

<input type="checkbox"/> Wafer Fab Process	<input checked="" 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

Assembly & test transfer  
XQFN10/12/16  
(SOT1160/1174/1161)  
packages from ATBK to  
ASEN

**Details of this Change**

Assembly and test transfer XQFN10 (SOT1160), XQFN12 (SOT1174) and XQFN16 (SOT1161) packages from ATBK (NXP Semiconductors, Plant Bangkok Thailand) to ASEN (ASE Group, Plant Suzhou China)

- No change in fab process or fab location (continue wafer fab NXP ICN8, Nijmegen The Netherlands and ASMC, Shanghai China)
- No change in die (same electrical distribution)
- No change in datasheet and test limits
- No change in bonding wire (continue Au-wire)
- No change in datasheet, form, fit, function, quality or reliability anticipated

Qualification in accordance to the Automotive Electronics Council:  
- AEC-Q100-rev. H Stress Test Qualification for Integrated Circuits

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

Qualification Report: [https://qcm.nexperia.com/change-notification-epcn/Nexperia\\_SQR\\_PCN\\_202101004F01\\_XQFN\\_ASEN.pdf](https://qcm.nexperia.com/change-notification-epcn/Nexperia_SQR_PCN_202101004F01_XQFN_ASEN.pdf)

#### **Why do we Implement this Change**

- Introduction of ASEN as single source mass production location for XQFN10/12/16 packages
- Expansion of the package portfolio in ASEN

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

- The traceability is given by the assembly location indicator suffix which is indicated on the reel and box label

### **Product Availability**

#### **Sample Information**

Samples are available upon request

Samples are available upon request via Helpdesk+ from BG Analog & Logic ICs sample store in Nijmegen The Netherlands

#### **Production**

Planned first shipment 30-Oct-2021

### **Impact**

No impact to the product's functionality or parametric spread 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 31-May-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

### **Remarks**

Assembly location indicator suffix on the reel and box label:

"X"= ASEN (ASE Group Assembly & Test Plant Suzhou China)

"n"= ATBK (NXP Semiconductors Assembly & Test Plant Bangkok, Thailand)

### **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-Logic@nexperia.com](mailto:PCN-Logic@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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