

Final Product Change Notification

201811008F01

Issue Date: 10-Apr-2019

Effective Date: 23-Jul-2019

Dear *Patricio Gomez Bello*,

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

For detailed information we invite you to [view this notification online](#)



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 type="checkbox"/> Wafer Fab Location | <input 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 general-purpose bipolar transistors

Details of this Change

Release of 8 inch wafer diameter for general-purpose bipolar transistors.

Old products: Production using 6 inch wafer diameter

Changed products: Production using 6 and 8 inch wafer diameter

In addition the thickness of the top side metallization for parts of the affected bipolar transistors will be adapted from 1.4 to 1.5µm for standardization reasons. Selected types have a change in die pitch size along with release of 8 inch wafer diameter. Some product types in SOT323 package have a release of lead frame design version SOT323 R1. Please refer to the Self Qualification Report for details and list of affected product types.

Production on 8 inch wafer diameter implies the use of the respective 8 inch wafer process technology.

Why do we implement this Change

To increase flexibility and volume ramp-up.

Identification of Affected Products

The 8 inch products can be identified by a marker on the die surface.
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 10-May-2019.

Production

Planned first shipment 01-Aug-2019

Impact

No impact to the products' functionality anticipated.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted.
Supply using 6 inch wafer will be continued in parallel to 8 inch wafer production.

Related Notifications

Notification	Issue Date	Effective Date	Title
201110021F0115	Nov-2011	13-Feb-2012	Release of 8 inch wafer diameter and change of die pitch size for PMBT2222A family
201208006F0105	Sep-2012	03-Dec-2012	Release of 8 inch wafer diameter for general purpose NPN / PNP transistors
201602003F0122	May-2016	03-Sep-2016	Release of 8 inch wafer diameter for low VCEsat (BISS) transistors
201712005F0130	Apr-2018	29-Jul-2018	Change of lead frame version in SOT323 package

Additional information

Affected products and sales history information: see attached file

Self qualification: [view online](#)

Additional documents: [view online](#)



Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 10-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.Discretetes@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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