

Final Product Change Notification

201811008F01

Issue Date: 10-Apr-2019
Effective Date: 23-Jul-2019

Here's your personalized quality information concerning products Digi-Key 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

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.

At Nexperia B.V. we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

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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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Affected Part Numbers

BCV62,215	BC53PA,115
BCV61,215	BCV61A,215
BC807DS,115	BC847QAPNZ
BC847RAZ	PIMZ2,115
BC56PA,115	BC817DPN,115
BC55-16PA,115	BC847RAPNZ
BCV61B,215	BC55PA,115
PBSS8110X,135	BC857RAZ
2PB710ARL,215	2PA1576R,115
PBSS4140DPNF	BC55-16PASX
BC69-25PA,115	2PA1576S,115
PBSS8110D,115	BC846DS,115
BCV62C,215	PBSS8110Y,115
BC56-16PASX	PBSS5240XF
BCV62B,235	BC847AQAZ
PBSS4240Y,115	BC51PA,115
BC847QASZ	BCM62B,215
2PC4081R,115	PBSS4140DPN,115
BC54PA,115	BCM61B,215
PBSS5140U,115	BC53PASX
2PC4081S,115	PBSS8110T,215
PMD2001D,115	BCV61C,215
PBSS5140U,135	BCV62B,215
BCV62A,215	BC54PASX
BC55-10PA,115	BC56PASX