

**Final Product Change Notification**

202008005F01

**Issue Date:** 01-Oct-2020  
**Effective Date:** 12-Jan-2021

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 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 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 transistors in DFN packages**

**Details of this Change**

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

Old products: Production using 6 inch wafer diameter  
 Changed products: Production using 6 and 8 inch wafer diameter

**Why do we Implement this Change**

- Capacity expansion in wafer fab
- Next phase in 8 inch release after start with 8 inch implementation of bipolar transistors in 2011
- Continued alignment with world technology trends on state of the art production tools for discrete components
- Increased 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 30-Oct-2020.

#### **Production**

Planned first shipment 12-Jan-2021

#### **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**

<b>Notification</b>	<b>Issue Date</b>	<b>Effective Date</b>	<b>Title</b>
201811008F0110	Apr-2019	23-Jul-2019	Release of 8 inch wafer diameter for general-purpose bipolar transistors
202001004F0101	Apr-2020	14-Jul-2020	Release of 8 inch wafer diameter for transistors

#### **Timing and Logistics**

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 30-Oct-2020. 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.

#### **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#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
BC817RAZ	934070165147	BC817RA	General-purpose transistor	SOT1268-1	DFN1412-6	RFS	Bipolar Discretes
PBSS5620PA,115	934063495115	PBSS5620PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS9410PA,115	934063926115	PBSS9410PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS4630PA,115	934063492115	PBSS4630PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
BC817-40QAZ	934067158147	BC817-40QA	General-purpose transistor	SOT1215	DFN1010D-3	RFS	Bipolar Discretes
PBSS4160PANP,115	934066888115	PBSS4160PANP	BISS	SOT1118	HUSON6	RFS	Bipolar Discretes
PBSS4330PASX	934068106115	PBSS4330PAS	BISS	SOT1061D	HUSON3	RFS	Bipolar Discretes
PBSS5260PAP,115	934066891115	PBSS5260PAP	BISS	SOT1118	HUSON6	RFS	Bipolar Discretes
PBSS4580PA,115	934063923115	PBSS4580PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS4130PAN,115	934066879115	PBSS4130PAN	BISS	SOT1118	HUSON6	RFS	Bipolar Discretes
PBSS4330PA,115	934064272115	PBSS4330PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS5160PAP,115	934066887115	PBSS5160PAP	BISS	SOT1118	HUSON6	RFS	Bipolar Discretes
PBSS8510PA,115	934063924115	PBSS8510PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS4560PA,115	934063493115	PBSS4560PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS5330PA,115	934064273115	PBSS5330PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS5630PA,115	934063496115	PBSS5630PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS5580PA,115	934063925115	PBSS5580PA	BISS	SOT1061	HUSON3	RFS	Bipolar Discretes
PBSS4160PAN,115	934066886115	PBSS4160PAN	BISS	SOT1118	HUSON6	RFS	Bipolar Discretes
PBSS4130PANP,115	934066882115	PBSS4130PANP	BISS	SOT1118	HUSON6	RFS	Bipolar Discretes
BC807-40QAZ	934067157147	BC807-40QA	General-purpose transistor	SOT1215	DFN1010D-3	RFS	Bipolar Discretes
PBSS4260PAN,115	934066889115	PBSS4260PAN	BISS	SOT1118	HUSON6	RFS	Bipolar Discretes