

Product Change Notification

CN-202603029F

Issue date: 17 Apr 2026

Effective date: 30 Jul 2026

Dear denise.fulton@avnet.com,

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.

For more details please contact your respective Nexperia CSR/AM.

Release of 8 inch wafer diameter and various other changes for high voltage transistors

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 |

Details of this change

The following changes are affected: - Release of 8 inch wafer and change of Lithography - introduction of additional Epoxy Mold Compounds - change of back side metallization

PCN-FORM-Rev_CN-202603029F.xlsm:

https://qcm.nexperia.com/Document/DOC-610278/PCN-FORM-Rev_CN-202603029F.xlsm

Chem_Content_CN-202603029F_20260414.zip:

https://qcm.nexperia.com/Document/DOC-610110/Chem_Content_CN-202603029F_20260414.zip

CN-202603029F_changeMatrix.xlsx:

https://qcm.nexperia.com/Document/DOC-610109/CN-202603029F_changeMatrix.xlsx

PCN-Delta-Qualification-Matrix-CN-202603029F.xlsm:

<https://qcm.nexperia.com/Document/DOC-609665/PCN-Delta-Qualification-Matrix-CN-202603029F.xlsm>

SQR_CN-202603029F.pdf: https://qcm.nexperia.com/Document/DOC-609616/SQR_CN-202603029F.pdf

Why do we implement this change?

To increase flexibility, volume ramp-up and reduced supply chain risk. Align to 8 inch wafer diameter process and to increase process robustness.

Identification of affected products

Dies from 8 inch wafers can be identified by a special marker on the die surface and by date code after implementation.

Management summary

SEM-PW-02 New wafer diameter

SEM-PW-14 Lithography

SEM-PW-06 Back side metal

SEM-PA-11 mold compound

Product availability

Production

Planned first shipment: 30 Jul 2026

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Data sheet revision

No impact to existing datasheet

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 17 May 2026. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

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: pcn@nexperia.com

In case of distribution, please contact you distribution partner.

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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SalesItem_name	SalesItem_orderablePartNumber	SalesItem_customerPartNumber	ProductType_name	BasicType_description	PackageOutlineVersion_description	PackageType_description	SalesItem_state	SalesItem_discontinuationType	SalesItem_availability	SalesItem_source	SalesItem_lastTimeByDate	SalesItem_lastTimeByDate	SalesItem_customerSpecificIndicator	Replacement_SalesItem_orderablePartNumber	Replacement_SalesItem_name	Replacement_ProductType_name	Replacement_BasicType_description	BusinessLine_description
933665120215	BF820-215	BF820-215	BF820	NPN high voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933665120235	BF820-235	BF820-235	BF820	NPN high voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934663768215	BF820-QR	BF820-QR	BF820-Q	NPN high voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934663768235	BF820-QV	BF820-QV	BF820-Q	NPN high voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934033470115	BF820W-115	BF820W-115	BF820W	NPN high-voltage transistor	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934033470135	BF820W-135	BF820W-135	BF820W	NPN high-voltage transistor	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934666211135	BF820W-Q	BF820W-Q	BF820W-Q	NPN high-voltage transistor	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934666211115	BF820W-QX	BF820W-QX	BF820W-QX	NPN high-voltage transistor	SOT323	SC-70	DEV		No				No				Bipolar Discretes	
933665130215	BF821-215	BF821-215	BF821	PNP high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933665130235	BF821-235	BF821-235	BF821	PNP high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934664918215	BF821-QR	BF821-QR	BF821-Q	PNP high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934664918235	BF821-QV	BF821-QV	BF821-Q	PNP high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933404920215	BF822-215	BF822-215	BF822	NPN high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934663770215	BF822-QR	BF822-QR	BF822-Q	NPN high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934663770235	BF822-QV	BF822-QV	BF822-Q	NPN high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933404920215	BF823-215	BF823-215	BF823	PNP high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934666222215	BF823-QR	BF823-QR	BF823-Q	PNP high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933737140215	BSR19A-215	BSR19A-215	BSR19A	NPN high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934663772215	BSR19A-QR	BSR19A-QR	BSR19A-Q	NPN high voltage transistors	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933818950215	MHBT42-215	MHBT42-215	MHBT42	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934664944215	MHBT42-QR	MHBT42-QR	MHBT42-Q	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
93405594215	MHBT42-215	MHBT42-215	MHBT42	PNP high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934666232215	MHBT42-Q	MHBT42-Q	MHBT42-Q	PNP high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
9334049720215	PMHT550-215	PMHT550-215	PMHT550	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933404972035	PMHT550-235	PMHT550-235	PMHT550	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934666232215	PMHT550-QR	PMHT550-QR	PMHT550-Q	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934666232235	PMHT550-QV	PMHT550-QV	PMHT550-Q	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933821840215	PMHT551-215	PMHT551-215	PMHT551	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933821840235	PMHT551-235	PMHT551-235	PMHT551	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934664933215	PMHT551-QR	PMHT551-QR	PMHT551-Q	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934664933235	PMHT551-QV	PMHT551-QV	PMHT551-Q	NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933776090185	PMHT42-185	PMHT42-185	PMHT42	300 V, 100 mA NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
933776090215	PMHT42-215	PMHT42-215	PMHT42	300 V, 100 mA NPN high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
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934666372215	PMHT42-QR	PMHT42-QR	PMHT42-Q	High-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934666372235	PMHT42-QV	PMHT42-QV	PMHT42-Q	High-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934666372285	PMHT42-QZ	PMHT42-QZ	PMHT42-Q	High-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934663826215	PMHT42-QR	PMHT42-QR	PMHT42-Q	PNP high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
934663826235	PMHT42-QV	PMHT42-QV	PMHT42-Q	PNP high-voltage transistor	SOT23	TO-236AB	RFS		No				No				Bipolar Discretes	
93403080115	PMHT550-115	PMHT550-115	PMHT550	NPN high-voltage transistors	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
93403080135	PMHT550-135	PMHT550-135	PMHT550	NPN high-voltage transistors	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934664932135	PMHT550-QF	PMHT550-QF	PMHT550-Q	NPN high-voltage transistors	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934664932115	PMHT550-QX	PMHT550-QX	PMHT550-Q	NPN high-voltage transistors	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
93405590115	PMHT551-115	PMHT551-115	PMHT551	NPN high-voltage transistors	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934664934115	PMHT551-QX	PMHT551-QX	PMHT551-Q	NPN high-voltage transistors	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934042290115	PMHT42-115	PMHT42-115	PMHT42	NPN high-voltage transistors	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934664940115	PMHT42-Q	PMHT42-Q	PMHT42-Q	NPN high-voltage transistors	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934042290115	PMHT42-115	PMHT42-115	PMHT42	PNP high-voltage transistor	SOT323	SC-70	RFS		No				No				Bipolar Discretes	
934666541115	PMHT42-QX	PMHT42-QX	PMHT42-Q	PNP high-voltage transistor	SOT323	SC-70	RFS		No				No				Bipolar Discretes	