



# Final Product/Process Change Notification

Document #: FPCN23270XA

Issue Date: 29 Sep 2022

<b>Title of Change:</b>	Qualification of additional irradiation site at BGS Germany for CZ4 FRD 600V/650V/1200V discrete devices.
<b>Proposed First Ship date:</b>	05 Jan 2023 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:norsahida.sahman@onsemi.com">norsahida.sahman@onsemi.com</a>
<b>PCN Samples Contact:</b>	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Marco.kang@onsemi.com">Marco.kang@onsemi.com</a>
<b>Type of Notification:</b>	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>
<b>Marking of Parts/ Traceability of Change:</b>	changed material can be identified by lot code.
<b>Change Category:</b>	Wafer Fab Change
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition

**Sites Affected:**

**onsemi Sites**

None

**External Foundry/Subcon Sites**

BGS Beta Gamma Services, Germany

**Description and Purpose:**

This FPCN announces the addition of alternate irradiation site at BGS, Germany for CZ4 FRD 600V/650V/1200V discrete devices to increase capacity and manufacturing flexibility.

Item to be changed	Irradiation Site Before Change Description	Irradiation Site After Change Description
Alternate Irradiation Site	Sterigenics, USA	BGS, Germany Sterigenics, USA

No change in marking as a result of this qualification.

**Reliability Data Summary:**

QV2 DEVICE NAME: NGTB15N60S1EG

RMS#: 64898

PACKAGE: TO-247

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tjmax=150°C, 80% max rated V	168hrs	<u>0/160</u>



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### Electrical Characteristics Summary:

Electrical characteristics are not impacted.

### List of Affected Parts:

**Note:** Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

Part Number	Qualification Vehicle
FGH75T65SQDNL4	NGTB15N60S1EG
PCRL7565F6	NGTB15N60S1EG

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**Appendix A: Changed Products**

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DIKG: DIGI-KEY

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FGH75T65SQDNL4		NGTB15N60S1EG		