



<b>Title of Change:</b>	Qualification of alternative irradiation site at BGS Germany for PIM FRDs.												
<b>Proposed First Ship date:</b>	24 Oct 2020 or earlier if approved by customer												
<b>Contact Information:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:Way-Shan.Yong@onsemi.com">Way-Shan.Yong@onsemi.com</a>												
<b>PCN Samples Contact:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:PCN.samples@onsemi.com">PCN.samples@onsemi.com</a> 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 ON Semiconductor Sales Office or <a href="mailto:Choonbae.Park@onsemi.com">Choonbae.Park@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. ON Semiconductor 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>	No change												
<b>Change Category:</b>	Wafer Fab Change												
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition												
<b>Sites Affected:</b>													
<b>ON Semiconductor Sites</b>		<b>External Foundry/Subcon Sites</b>											
ON Semiconductor Roznov, Czech Republic		None											
<b>Description and Purpose:</b>													
This FPCN announces the addition of BGS as a qualified irradiation site for PIM FRD to increase capacity and manufacturing flexibility.													
<table border="1"> <thead> <tr> <th>Item to be changed</th> <th>Irradiation Site Before Change Description</th> <th colspan="2">Irradiation Site After Change Description</th> </tr> </thead> <tbody> <tr> <td>FRD Irradiation Site Qualification</td> <td>Sterigenics, USA</td> <td colspan="2">BGS, Germany Sterigenics, USA</td> </tr> </tbody> </table>				Item to be changed	Irradiation Site Before Change Description	Irradiation Site After Change Description		FRD Irradiation Site Qualification	Sterigenics, USA	BGS, Germany Sterigenics, USA			
Item to be changed	Irradiation Site Before Change Description	Irradiation Site After Change Description											
FRD Irradiation Site Qualification	Sterigenics, USA	BGS, Germany Sterigenics, USA											
There are no product material changes as a result of this change.													
There is no product marking change as a result of this change.													
<b>Reliability Data Summary:</b>													
<b>QV DEVICE NAME : CN75 FS III</b> <b>RMS : 48967</b> <b>Package : TO247</b>													
<table border="1"> <thead> <tr> <th>Test</th> <th>Specification</th> <th>Condition</th> <th>Interval</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>HTRB</td> <td>JESD22-A108</td> <td>Tj 150C, Vce=520V (with CN75 FS III, TO247)</td> <td>1008 hrs</td> <td>0/231</td> </tr> </tbody> </table>				Test	Specification	Condition	Interval	Result	HTRB	JESD22-A108	Tj 150C, Vce=520V (with CN75 FS III, TO247)	1008 hrs	0/231
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HTRB	JESD22-A108	Tj 150C, Vce=520V (with CN75 FS III, TO247)	1008 hrs	0/231									



**Electrical Characteristics Summary:**

No significant electrical characteristic impacted by this change. Product performance meets data sheet specifications. Characterization data is available upon request.

**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
NXH160T120L2Q2F2SG	NXH160T120L2Q1SG
SNXH160T120L2Q1PG	NXH160T120L2Q1SG



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## Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NXH160T120L2Q2F2SG		NXH160T120L2Q1SG		