



<b>Title of Change:</b>	Design Fix for the NB3H5150/NB3H5150-01 Series.			
<b>Proposed first ship date:</b>	14 February 2020			
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or < <a href="mailto:e.rupnow@onsemi.com">e.rupnow@onsemi.com</a> >			
<b>Samples:</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.			
<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>Change Part Identification:</b>	Material with date code of 2020 WW01 and newer will be new design.			
<b>Change Category:</b>	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u>Design Change</u>			
<b>Change Sub-Category(s):</b>	<input type="checkbox"/> Manufacturing Site Addition <input type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Material Change <input checked="" type="checkbox"/> Product specific change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Shipping/Packaging/Marking <input checked="" type="checkbox"/> Other: <u>Design Change</u>			
<b>Sites Affected:</b>	ON Semiconductor Sites: None	External Foundry/Subcon Sites: None		
<b>Description and Purpose:</b>				
<p>The purpose of this notification is to inform customers about a design change to the NB3H5150/NB3H5150-01 products that fixes a power up issue where the CLK4 frequencies of 100MHz, 125MHz and 156.26MHz could potentially power up with an incorrect frequency. The design fix implements additional logic to prevent this issue for occurring. This design fix is a logic fix that does not affect product performance.</p> <p>There are no product material changes as a result of this change. There is no product marking change as a result of this change</p>				
<b>Reliability Data Summary:</b>				
QV DEVICE NAME: <u>NB3H5150MNTXG</u> PACKAGE: <u>QFN 32L</u>				
<b>Test</b>	<b>Specification</b>	<b>Condition</b>	<b>Interval</b>	<b>Results</b>
ED	Electrical Distribution	Characterization of all 48A parameters	N/A	0/ 2400
<b>Electrical Characteristic Summary:</b>				
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
NB3H5150MNTXG	NB3H5150MNTXG
NB3H5150-01MNTXG	NB3H5150MNTXG

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## Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle
NB3H5150-01MNTXG		N/A
NB3H5150MNTXG		N/A