



Final Product/Process Change Notification

Document #:FPCN26403X

Issue Date:15 Sep 2025

Title of Change:	PIM QDual3 at Linecore transfer to new factory	
Proposed First Ship date:	31 Dec 2025 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office	
PCN Samples Contact:	<p>Contact your local onsemi Sales Office.</p> <p>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.</p> <p>Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.</p>	
Additional Reliability Data:	Contact your local onsemi Sales Office	
Type of Notification:	<p>This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change.</p> <p>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 PCN.Support@onsemi.com</p>	
Marking of Parts/ Traceability of Change:	changed material can be identified by lot code.	
Change Category:	Assembly Change, Test Change	
Change Sub-Category(s):	Manufacturing Site Transfer	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	Linecore, China	
Description and Purpose:		
<p>onsemi wishes to inform customers of its plan to transfer the assembly and test operations of Linecore to a new factory located at No. 1288 Xiangmin Road. This change aims to enhance production efficiency and capacity.</p> <p>The transfer will not result in any product material changes. After the PCN is expired or approved, production will only run at the new site, and production will stop in the old plant.</p>		
	From	To
Manufacturing Site	Qualified QDual3 in existing factory (No. 369 Maoting Road)	Transfer to new factory (No. 1288 Xiangmin Road)
There are no product marking changes as a result of this change.		



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Reliability Data Summary:

QV Device Name: NXH800H120L7QDSG

Test	Specification	Condition	Interval	Results
High Temperature Reverse Bias	JESD22-A108	Tj=175°C, 80% max rated V	1008hrs	0/36pcs
High Humidity High Temp. Reverse Bias	JESD22-A110	Temp = 85°C, 85% RH Bias = 80% BV	1008hrs	0/36pcs
High Temperature Storage Life	JESD22-A103	Ta=150°C	1008hrs	0/36pcs
Power Cycling Test	AQG324	Ton<5s, Delta Tj = 100°C	20000cyc	0/12pcs
Temperature Cycling	JESD22-A104	Ta= -40°C to +125°C	1000cyc	0/36pcs
Low Temp Storage Life	JESD22-A103	Ta= -40°C	1008hrs	0/36pcs
Temp Humidity Unbiased	JESD22-A110	Temp = 85°C, 85% RH	1008hrs	0/36pcs
Vibration Variable Frequency	AQG324	Vibration profile B (RMS value of acceleration: 96.6m/s2, X/Y/Z each axis 22hrs)	each axis 22hrs	0/18pcs

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
NXH800H120L7QDSG	NXH800H120L7QDSG
SNXH800H120L7QDSG	NXH800H120L7QDSG