



Final Product/Process Change Notification

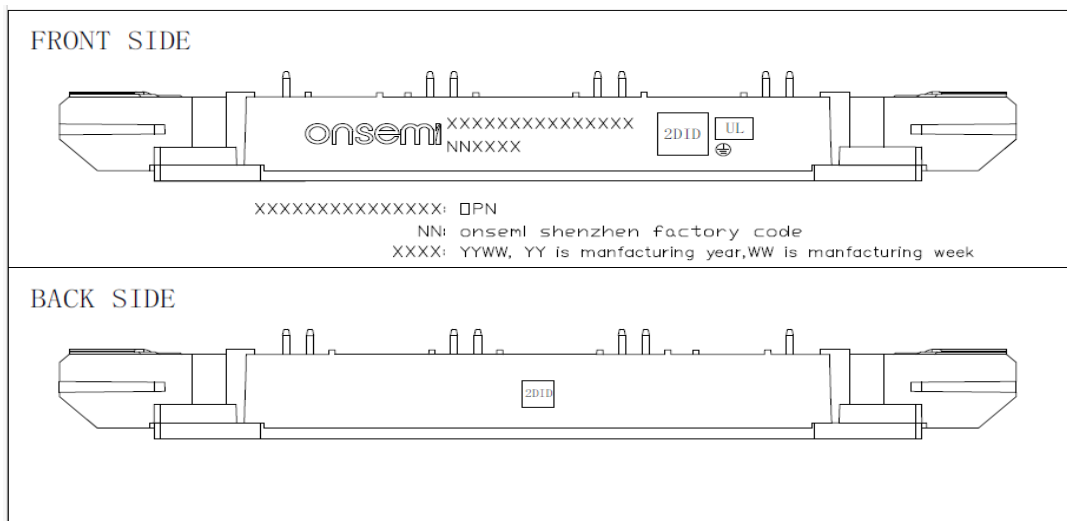
Document #:FPCN27309X

Issue Date:08 May 2026

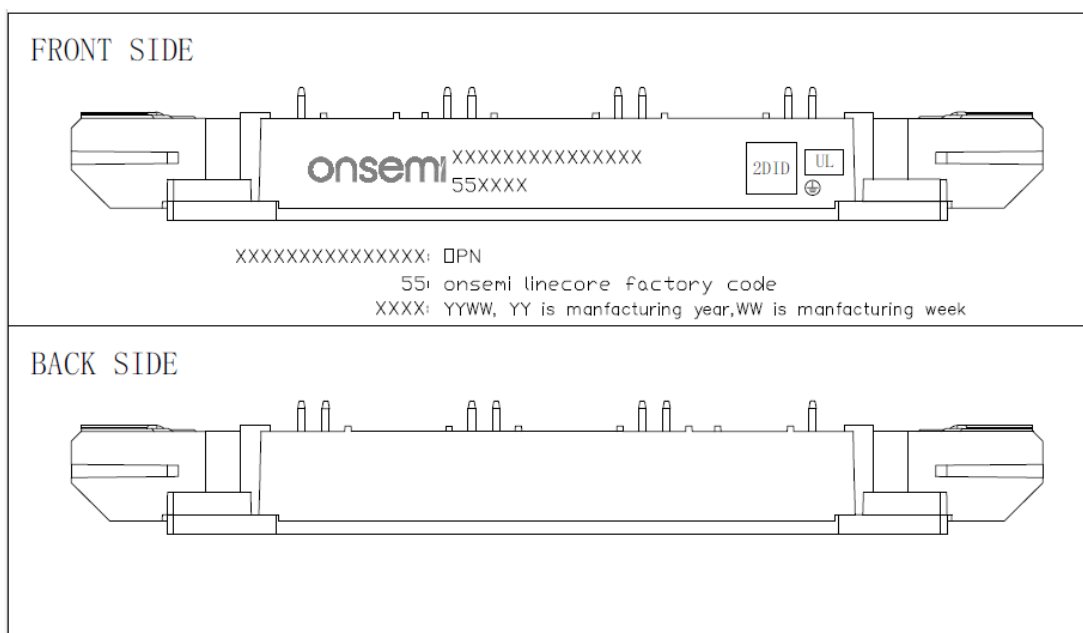
Title of Change:	Additional Assembly and Test Site for QDual3 IGBT Package at Shenzhen, China.			
Proposed First Ship date:	15 Aug 2026 or earlier if approved by customer			
Contact Information:	Contact your local onsemi Sales Office			
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample 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.			
Additional Reliability Data:	Contact your local onsemi Sales Office			
Type of Notification:	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 PCN.Support@onsemi.com			
Marking of Parts/ Traceability of Change:	Product from new added site can be identified by lot code and marking.			
Change Category:	Test Change, Assembly Change			
Change Sub-Category(s):	Manufacturing Site Addition			
Sites Affected:				
onsemi Sites		External Foundry/Subcon Sites		
onsemi Shenzhen, China		None		
Description and Purpose:				
onsemi wishes to inform customers the qualification of onsemi Shenzhen, China (ONSC) as an additional assembly and test site for PIM QDual3 IGBT Package products with onsemi Shenzhen, China (ONSC) qualified materials.				
onsemi Shenzhen, China (ONSC) and Linecore are using different marking styles, product from ONSC can be identified by marking.				
	Before Change Description	After Change Description		
Assembly Site	Linecore	onsemi Shenzhen, China Linecore		
Test Site	Linecore	onsemi Shenzhen, China Linecore		
Product marking change	Linecore making style	onsemi Shenzhen, China marking style Linecore making style		
Take NXH800H120L7QDSG as example, SNXH800H120L7QDSG marking will be similar.				
Site	onsemi Shenzhen, China		Linecore	
Front side	OPN:	NXH800H120L7QDSG	OPN:	NXH800H120L7QDSG
	Trace code:	\A\T/(YYWW)	Trace code:	\A\T/(YYWW)
	Frontside 2DID:	NXH800H120L7QDSG (YYWW)\A\T/	Frontside 2DID:	NXH800H120L7QDSG\A\T/(YYWW)(ZZZZZZZZ)(NNNNNNNN)(+)(+)(+)

Back side	Backside 2DID:	(ZZZZZZZZZZ)(+)(NNNNNNNN)	Backside 2DID:	NA
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onsemi Shenzhen, China marking style:



Linecore making style:





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Reliability Data Summary:

QV Device Name: NXH800H120L7QDSG

RRF#109026 102177 102178 109024 102159

PACKAGE: QDual3 IGBT

Test	Specification	Condition	Interval	Results
High Temperature Reverse Bias	JESD22-A108	Tj=175°C, 80% max rated V	1008hrs	0/36
High Humidity High Temp. Reverse Bias	AEC-Q101 JESD22-A110	Temp = 85°C, 85% RH Bias = 80% BV (960V)	1008hours	0/36
Power Cycling Test	AQG324	Ton<5s, Delta Tj = 100°C	20k cycs	0/4
High Temp Storage Life	JESD22-A103 12MSB17722C	Ta = 150°C for 1008hrs	1008hours	0/36
Low Temp Storage Life	JESD22-A103 12MSB17722C	Ta = -40°C for 1008hrs	1008hours	0/36
Temp Humidity Unbiased	AEC-Q101 JESD22-A110	Temp = 85°C, 85% RH	1008hours	0/36
Temp Cycling	AEC-Q101 12MSB17722C	Temp: -40 ~ 125°C	1000cyc	0/36
Vibration Variable Frequency	AQG324	Vibration profile B (RMS value of acceleration: 96.6m/s ² , X/Y/Z each axis 22hrs)	Post each Axis 22 hours	0/18

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**.

Current Part Number	New Part Number	Qualification Vehicle
SNXH800H120L7QDSG	#NONE	NXH800H120L7QDSG
NXH800H120L7QDSG	#NONE	NXH800H120L7QDSG