



Final Product/Process Change Notification

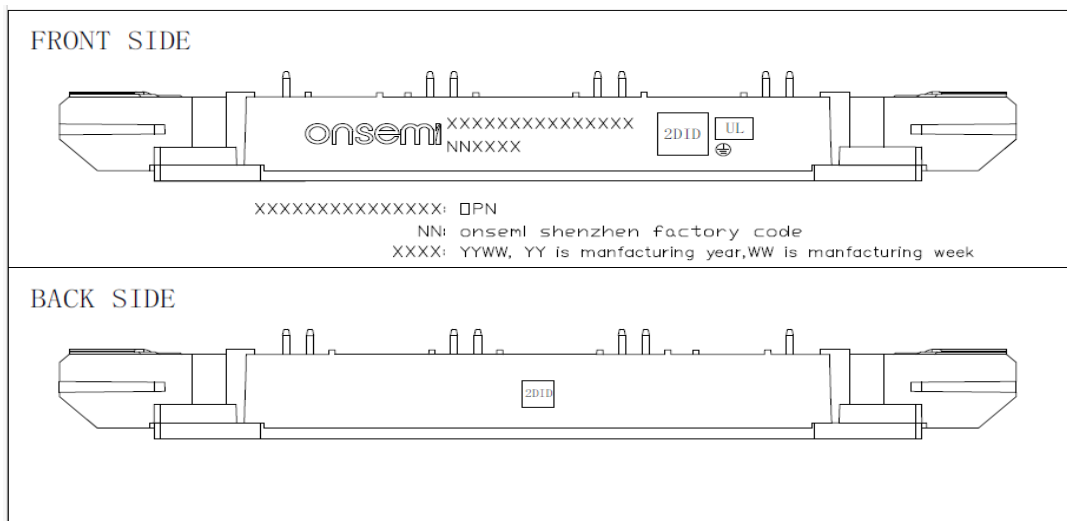
Document #:FPCN27309X

Issue Date:08 May 2026

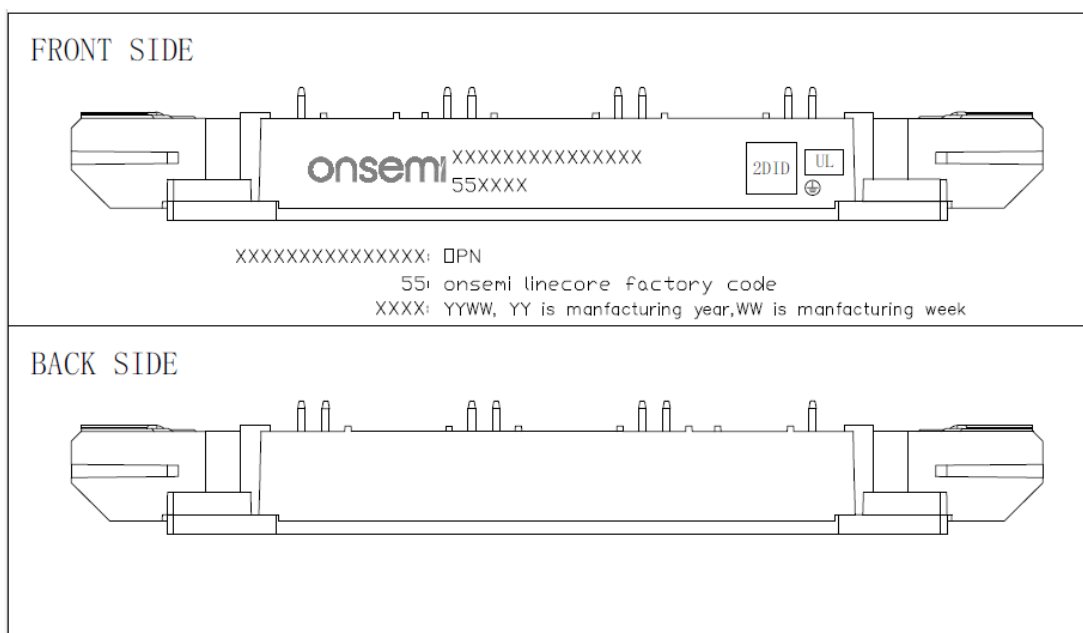
Title of Change:	Additional Assembly and Test Site for QDual3 IGBT Package at Shenzhen, China.																				
Proposed First Ship date:	15 Aug 2026 or earlier if approved by customer																				
Contact Information:	Contact your local onsemi Sales Office																				
PCN Samples Contact:	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.																					
<table><thead><tr><th></th><th>Before Change Description</th><th>After Change Description</th></tr></thead><tbody><tr><td>Assembly Site</td><td>Linecore</td><td>onsemi Shenzhen, China Linecore</td></tr><tr><td>Test Site</td><td>Linecore</td><td>onsemi Shenzhen, China Linecore</td></tr><tr><td>Product marking change</td><td>Linecore making style</td><td>onsemi Shenzhen, China marking style Linecore making style</td></tr></tbody></table>					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						
	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.																					
<table><thead><tr><th>Site</th><th colspan="2">onsemi Shenzhen, China</th><th colspan="2">Linecore</th></tr></thead><tbody><tr><td rowspan="3">Front side</td><td>OPN:</td><td>NXH800H120L7QDSG</td><td>OPN:</td><td>NXH800H120L7QDSG</td></tr><tr><td>Trace code:</td><td>\A\T/(YYWW)</td><td>Trace code:</td><td>\A\T/(YYWW)</td></tr><tr><td>Frontside 2DID:</td><td>NXH800H120L7QDSG (YYWW)\A\T/</td><td>Frontside 2DID:</td><td>NXH800H120L7QDSG\A\T/(YYWW)(ZZZZZZZZ)(NNNNNNNN)(+)(+)(+)</td></tr></tbody></table>				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)(+)(+)(+)
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
-----------	----------------	---------------------------	----------------	----

onsemi Shenzhen, China marking style:



Linecore making style:





Final Product/Process Change Notification

Document #:FPCN27309X

Issue Date:08 May 2026

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

PCN Product List Addendum for:

Customer Contact Name: Premier Farnell Dropbox

Customer Contact Email: productchangenotices@newark.com

Appendix A: Changed Products

PCN#: FPCN27309X
Issue Date: May 08, 2026

NWKC: PREMIER FARNELL

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
SNXH800H120L7QDSG	4750182	NXH800H120L7QDSG	#NONE	