



Final Product/Process Change Notification

Document #:FPCN25540Z

Issue Date:12 Jul 2023

Title of Change:	Backgrind site change from USR (onsemi Gresham) to OSPI (onsemi Carmona)	
Proposed Changed Material First Ship Date:	30 Jun 2024 or earlier if approved by customer	
Current Material Last Order Date:	N/A <i>Orders received after the Current Material Last Order Date expiration are to be considered as orders for new changed material as described in this PCN. Orders for current (unchanged) material after this date will be per mutual agreement and current material inventory availability.</i>	
Current Material Last Delivery Date:	N/A <i>The Current Material Last Delivery Date may be subject to change based on build and depletion of the current (unchanged) material inventory</i>	
Product Category:	Active components – Integrated circuits	
Contact information:	Contact your local onsemi Sales Office or Eric.Rupnow@onsemi.com	
PCN Samples Contact:	Contact your local onsemi Sales Office to place sample order. Sample requests are to be submitted no later than 45 days after publication of this change notification. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Sample Availability Date:	N/A	
PPAP Availability Date:	N/A	
Additional Reliability Data:	Contact your local onsemi Sales Office or Joe.Chapple@onsemi.com	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. The change will be implemented at 'Proposed Change Material First Ship Date' in compliance to J-STD-46 or ZVEI, or earlier upon customer approval, or per our signed agreements. onsemi will consider this proposed change and it's conditions acceptable, unless an inquiry is made in writing within 45 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com .	
Change Category		
Category	Type of Change	
Process - Wafer Production	Move of all or part of wafer fab to a different location/site/subcontractor	
Equipment	Production from a new equipment/tool which uses the same basic technology (replacement equipment or extension of existing equipment pool) without change of process.	
Description and Purpose:		
onsemi would like to notify customers of a change in backgrind location for the devices listed in this PCN. Products are currently receiving backgrind in the FAB, USR onsemi Gresham US, but will be moved to our center of excellence for backgrind onsemi OSPI Carmona. Products produced on this technology, out of this USR, have been backgrinding in OSPI Carmona for > 3 years now.		
	Before Change Description	After Change Description
BACKGRIND	onsemi Gresham, USA	onsemi OSPI, Carmona
There are no product material changes as a result of this change.		
There are no product marking changes as a result of this change.		

Reason / Motivation for Change:	No reason for change specified		
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by onsemi in relation to the PCN, associated risks are verified and excluded. No anticipated impacts.		
Sites Affected:			
onsemi Sites		External Foundry/Subcon Sites	
None		None	
Marking of Parts/ Traceability of Change:	Product will be identifiable by trace codes and lot numbers associated with the product.		

Reliability Data Summary:

QV DEVICE NAME: NV25256DTHFT3G

RMS: O55748

PACKAGE: TSSOP 8L

Test	Specification	Condition	Interval	Results
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC and UHAST	-	0/480
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/240
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240

Refer to the attached AEC1 Pager for more details.

To view attachments:

1. Download pdf copy of the PCN to your computer
2. Open the downloaded pdf copy of the PCN
3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field
4. Then click on the attached file.

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
NBA3N206SDR2G	N/A	NV25256DTHFT3G
NBA3N201SDR2G	N/A	NV25256DTHFT3G
NBA3N200SDR2G	N/A	NV25256DTHFT3G



Appendix A: Changed Products

PCN#: FPCN25540Z
Issue Date: Jul 11, 2023

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NBA3N206SDR2G		NV25256DTHFT3G	N/A	
NBA3N200SDR2G		NV25256DTHFT3G	N/A	