

# Final Product/Process Change Notification Document #:FPCN23658ZG

Issue Date:22 Oct 2021

related to Fab2 sale  Proposed Changed Material First Ship Date:  Current Material Last Order Date:  31 Jan 2022/PD24321Z  Orders received after the Current Material Last Order Date expiration are to be conside orders for new changed material as described in this PCN. Orders for current (unchanged) material hast Delivery Date:  Current Material Last Delivery Date:  21 Apr 2022  The Current Material Last Delivery Date:  21 Apr 2022  The Current Material Last Delivery Date may be subject to change based on build and dep of the current (unchanged) material inventory  Product Category:  Contact your local onsemi Sales Office or Alicia. Tuckett@onsemi.com  Contact your local onsemi Sales Office to place sample order or <pcn. "proposed="" (fpcn)="" 2021="" 22="" 45="" a="" acceptable,="" additional="" agreements.="" all="" an="" and="" approval,="" at="" availability="" be="" category="" catherine.="" change="" compliance="" conditions="" consider="" contact="" custo="" customer="" customers.="" data:="" date"="" date:="" days="" dekeukeleire@onsemi.com="" delivery="" different="" do="" earlier="" fab="" final="" first="" implemented="" in="" inquir="" is="" it's="" j-std-46.="" label="" local="" location="" made="" material="" move="" notice.="" notification="" oct="" of="" office="" onsemi="" or="" our="" packing="" part="" pcn.="" per="" place="" ppapa="" process="" product="" proposed="" quantity="" reliability="" requirements.="" sales="" sample="" samples@onsemi.com="" sent="" ship="" signed="" site="" so,="" special="" subcontractor,<="" support@onsemi.com.="" th="" the="" this="" tips="" to="" type="" unless="" upon="" wafer="" will="" within="" writing="" your="" zvei,=""><th></th><th></th></pcn.>			
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Process - Wafer Production  Move of all or part of wafer fab to a different location/site/subcontractor,	Change Category		
	Category		
	Process - Wafer Production	New wafer diameter	
Equipment Production from a new equipment/tool which uses the same basic technology (replaceme equipment or extension of existing equipment pool) without change of process.	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.	
Process - Assembly Change of product marking	Process - Assembly	Change of product marking	

# **Description and Purpose:**

Wafer fab transfer to onsemi Gresham, Oregon USA from onsemi Fab2, Oudenaarde, Belgium related to Fab2 sale. Part marking will be updated to include a fab inicator. "G" will be used for Gresham.

	Before Change Description	After Change Description
Fab Site transfer	onsemi Fab2, Oudenaarde, Belgium 6inch	onsemi Gresham, Oregon USA 8inch
Part Marking	Without Fab Indicator	With Fab Indicator

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After the announcement on February 03rd, 2020 of the sale of Fab2, onsemi pursues the transfer of relevant products.

Before Last Order Date above: customers must provide Last-Time-Buy volume for products that will be transferred to manufacture the bridge-build quantity in the current facility (fab2) before the selling.

After the last order date above: the orders will be placed on the new part number (replacement part) or on the receiving fab (products with the same part number).

Last Delivery Date above: subject to a commercial agreement, onsemi may extend the deliveries outside the 06 months windows which is the proposed date of implementation in compliance to J-STD-46 or ZVEI, or earlier upon customer approval, or per our signed agreements but after depletion of inventory of the current material. However, such extended delivery conditions could be subject to an extension of the date code currently at 12 months.

Reason / Motivation for Change:	Source/Supply/Capacity Changes			
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		
onsemi Carmona, Philippines		None		
onsemi Oudenaarde, Belgium				
onsemi, Gresham United States				
Marking of Parts/ Traceability of Change:	Traceability guaranteed by datecode			

## **Reliability Data Summary:**

### NOTE: AEC-1pager is attached.

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/s

#### **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 <u>PCN Customized Portal</u>.

Current Part Number	New Part Number	Qualification Vehicle
NCV7681APWR2G	NA	0N683-600 (NCV7681APWR2G)
NCV7681LPWR2G	NA	0N683-601 (NCV7681LPWR2G)

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