



Final Product/Process Change Notification

Document #: FPCN23658ZM

Issue Date: 18 Jan 2022

Title of Change:	Wafer fab transfer to onsemi Gresham, Oregon USA from onsemi Fab2, Oudenaarde, Belgium related to Fab2 sale
Proposed Changed Material First Ship Date:	21 Jul 2022 or earlier if approved by customer
Current Material Last Order Date:	31 Jan 2022 #PD24321Z <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:	20 Jul 2022 <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 Jelle.Genne@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:	24 Jan 2022
PPAP Availability Date:	24 Jan 2022
Additional Reliability Data:	Contact your local onsemi Sales Office or Catherine.DeKeukeleire@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, New wafer diameter
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 mold compound, Change in process technology (e.g., die attach, bonding, moulding, plating, trim and form, lead frame preparation, ...), Change of direct material supplier, Change of product marking

Description and Purpose:

Wafer fab transfer to onsemi Gresham, Oregon USA from onsemi Fab2, Oudenaarde, Belgium related to Fab2 sale. Change of leadframe and mold compound are also included. Part marking will be adjusted.

	Before Change Description	After Change Description
Fab Site transfer	onsemi Fab2, Oudenaarde, Belgium 6inch	onsemi Gresham, Oregon USA 8inch
LeadFrame	N42423E711 (LF SSOP36 4.0X5.8 PPF)	N42423E811 (LF SSOP36 4.0X5.8 PP)
Mold Compound	G600	G700LS
Part Marking	Without Fab Indicator	With Fab Indicator

Marking Changes

Before



A = ASSEMBLY LOCATION
 WL = WAFER LOT
 YYYY = YEAR / WORK WEEK
 G = Pb-Free Designator

After



F = FAB LOCATION
 0L247-003-ASY = Gresham = 8 inch = G
 A = ASSEMBLY LOCATION
 WL = WAFER LOT
 YYYY = YEAR / WORK WEEK
 G = Pb-Free Designator

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.



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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. <i>To view attachments:</i> <ol style="list-style-type: none">1. Download pdf copy of the PCN to your computer2. Open the downloaded pdf copy of the PCN3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field4. 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
NCV78247DQ0R2G	NCV78247DQ0AR2G	0L247-600