



Final Product/Process Change Notification

Document #:FPCN21520ZH1

Issue Date:29 Dec 2025

Title of Change:	Update of FPCN21520ZH - Dual source of ONC25 technology for NCV8177 family (XDFN-4).		
Proposed Changed Material First Ship Date:	07 May 2026 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		
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:	N/A		
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	SEM-PW-13: Move all or parts of production to a different wafer fab site.		
Equipment	SEM-EQ-02: 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:			
This notification supersedes and replaces the previously issued FPCN21520ZH. The prior communication detailed a one-way manufacturing transfer from our Gresham, USA facility to our Aizu, Japan facility. This updated FPCN formally establishes both Gresham and Aizu as qualified dual-source manufacturing sites for the affected products. Gresham has actively operated all relevant manufacturing flows within the past two years, with the majority still ongoing. During this period, all impacted customers have received products manufactured at the Gresham site. As there is no physical change to the product and both sites have been previously qualified and have maintained production over the past two years, sample requests and full customer requalification are not anticipated.			
	Pre- FPCN21520-series	After FPCN21520-series	After this PCN
Fab Locations	onsemi, Gresham	onsemi, Aizu	onsemi, Gresham onsemi, Aizu



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Reason / Motivation for Change:	Source/Supply/Capacity Changes	
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	No anticipated impacts. Both sites were qualified previously and has actively operated all manufacturing flows over the past two years.	
Sites Affected:		
onsemi Sites		External Foundry/Subcon Sites
onsemi, Gresham United States		None
Marking of Parts/ Traceability of Change:	Customs source information will be updated on product label, and product will be identified by encoded date code.	
Reliability Data Summary: No additional reliability qualification has been performed since there is no physical change of the part, both manufacturing sites were qualified previously and has actively operated all manufacturing flows over the past two years. Note: AEC-1pager is attached. <i>To view attachments:</i> <i>1. Download pdf copy of the PCN to your computer</i> <i>2. Open the downloaded pdf copy of the PCN</i> <i>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</i> <i>4. Then click on the attached file.</i>		
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
NCV8177BMX090TCG	#NONE	NCV8170AXV300T2G
NCV8177BMX330TCG	#NONE	NCV8170AXV300T2G
NCV8177AMX075TCG	#NONE	NCV8170AXV300T2G
NCV8177AMX090TCG	#NONE	NCV8170AXV300T2G
NCV8177AMX120TCG	#NONE	NCV8170AXV300T2G
NCV8177BMX150TCG	#NONE	NCV8170AXV300T2G
NCV8177AMX075TCG-A642	#NONE	NCV8170AXV300T2G
NCV8177AMX120TCG-A642	#NONE	NCV8170AXV300T2G
NCV8177AMX150TCG	#NONE	NCV8170AXV300T2G
NCV8177AMX180TCG	#NONE	NCV8170AXV300T2G



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NCV8177AMX250TCG	#NONE	NCV8170AXV300T2G
NCV8177AMX330TCG	#NONE	NCV8170AXV300T2G
NCV8177BMX075TCG	#NONE	NCV8170AXV300T2G
NCV8177BMX120TCG-A642	#NONE	NCV8170AXV300T2G
NCV8177BMX075TCG-A642	#NONE	NCV8170AXV300T2G

PCN Product List Addendum for:

Customer Contact Name: Premier Farnell Dropbox

Customer Contact Email: productchangenotices@newark.com



Appendix A: Changed Products

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NWKC: PREMIER FARNELL

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCV8177BMX090TCG	3265465	NCV8170AXV300T2G	#NONE	
NCV8177AMX090TCG	3265464	NCV8170AXV300T2G	#NONE	