



# Initial Product/Process Change Notification

Document #: IPCN24427Z

Issue Date: 20 Dec 2021

<b>Title of Change:</b>	Second source wafer test on AR0233	
<b>Proposed Changed Material First Ship Date:</b>	22 Jul 2022 or earlier if approved by customer	
<b>Current Material Last Order Date:</b>	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>	
<b>Current Material Last Delivery Date:</b>	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>	
<b>Product Category:</b>	Active components – Integrated circuits	
<b>Contact information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Mike.Webster@onsemi.com">Mike.Webster@onsemi.com</a>	
<b>PCN Samples Contact:</b>	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.	
<b>Additional Reliability Data:</b>	N/A	
<b>Type of Notification:</b>	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 6 months prior to implementation of the change. In case of questions, contact < <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> >.	
<b>Change Category</b>		
<b>Category</b>	<b>Type of Change</b>	
Test Flow	Move of all or part of electrical wafer test and/or final test to a different location/site/subcontractor	
<b>Description and Purpose:</b>		
<p>To improve capacity at Wafer Test, we are moving to a dual-source strategy for AR0233 through the addition of KYEC wafer test facility. This will be in addition to the current Nampa wafer test facility. The purpose of this PCN is to qualify KYEC for the AR0233 line of products and dual-source wafer test between Nampa and KYEC.</p> <p>KYEC uses identical test equipment and test programs as the current Nampa facility. We have been utilizing KYEC for wafer test for other products, both Automotive and Commercial, for many years. KYEC is currently IATF-16949 certified.</p>		
	<b>Before Change Description</b>	<b>After Change Description</b>
Wafer Test	Nampa Test facility	Dual source model with Nampa and KYEC facilities
There are no product material changes as a result of this change.		
There is no product marking change as a result of this change.		



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<b>Reason / Motivation for Change:</b>	Capacity improvement	
<b>Anticipated impact on fit, form, function, reliability, product safety or manufacturability:</b>	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.	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>		<b>External Foundry/Subcon Sites</b>
onsemi Nampa Idaho, United States		KYEC, Taiwan
<b>Marking of Parts/ Traceability of Change:</b>	Lot History	
<b>Electrical Characteristics Summary:</b>  Per ZVEI matrix, a full electrical delta correlation will be completed and included in Final PCN once delta correlation is complete.  Electrical characteristics will not be impacted.		
<b>List of Affected Parts:</b>  <i><b>Note:</b> 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 <a href="#">PCN Customized Portal</a>.</i>		
Current Part Number	New Part Number	Qualification Vehicle
AR0233ATSC17XUEA1-DRBR	NA	AR0233ATSC17XUEA1-DRBR
AR0233ATSC17XUEA1-TPBR	NA	AR0233ATSC17XUEA1-DRBR
AR0233ATSC17XUEA1-DPBR	NA	AR0233ATSC17XUEA1-DRBR
AR0233ATSC17XUEA1-TRBR	NA	AR0233ATSC17XUEA1-DRBR