



## Final Product/Process Change Notification

Document #:FPCN25729XQ

Issue Date:09 May 2025

<b>Title of Change:</b>	Wafer Fab Site Addition of onsemi, Bucheon Korea as alternate fab site for ESD and Surge Protection products.	
<b>Proposed First Ship date:</b>	29 Aug 2025 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office.	
<b>PCN Samples Contact:</b>	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office.	
<b>Type of Notification:</b>	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>	
<b>Marking of Parts/ Traceability of Change:</b>	Changed material can be identified by lot code	
<b>Change Category:</b>	Wafer Fab Change	
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
onsemi Bucheon, Korea	None	
<b>Description and Purpose:</b>		
<p>This Final Product Change Notification (FPCN) is to notify customers of the qualification of onsemi Bucheon, Korea Wafer Fab as an additional wafer fab site for ESD and Surge Protection products.</p> <p>Upon expiration of this FPCN, affected parts can be sourced from either onsemi Bucheon, Korea or LA Semiconductor wafer fab.</p> <p>There are no product marking changes as a result of this change.</p>		
	<b>Before Change Description</b>	<b>After Change Description</b>
<b>Manufacturing location for Wafer Fab</b>	LA Semiconductor, Idaho, United States	onsemi Bucheon, Korea, LA Semiconductor, Idaho, United States



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### Reliability Data Summary:

QV DEVICE NAME: ESD7321MUT5G

RMS: S94408

PACKAGE: X3DFN

Test	Specification	Condition	Interval	Results
High Temperature Reverse Bias	JESD22-A108	Ta=150°C, 100% max rated V	1008 hrs	0/231
High Temperature Storage Life	JESD22-A103	Ta=150°C	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1@260°C		0/693
Temperature Cycling	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231

### 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**.

Part Number	Qualification Vehicle
ESD7481MUT5G	ESD7321MUT5G
ESD7382MUT5G	ESD7321MUT5G
ESD7381MUT5G	ESD7321MUT5G