



Final Product/Process Change Notification

Document #:FPCN25729ZH

Issue Date:01 Jul 2025

Title of Change:	Wafer Fab Site Addition of onsemi, Bucheon Korea as alternate fab site for ESD and Surge Protection products	
Proposed Changed Material First Ship Date:	08 Jan 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 – Discrete components	
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:	16 June 2025	
PPAP Availability Date:	30 June 2025	
Additional Reliability Data:	Contact your local onsemi Sales Office	
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 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. Upon expiration of this FPCN, affected parts can be sourced from either onsemi Bucheon, Korea or LA Semiconductor wafer fab. There are no product marking changes as a result of this change.		
	Before Change Description	After Change Description
Manufacturing location for Wafer Fab	LA Semiconductor, Idaho, United States	onsemi Bucheon, Korea, LA Semiconductor, Idaho, United States

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 Bucheon, Korea		None		
Marking of Parts/ Traceability of Change:	Changed material can be identified by lot code			
Reliability Data Summary:				
QV DEVICE NAME: ESD9M5.0ST5G RMS: 97093 PACKAGE: SOD923				
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, TC, uHAST, HAST for surface mount pkgs only		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
QV DEVICE NAME: SZESD7205DT5G RMS: L97194, L100723 PACKAGE: SOT723				
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, TC, uHAST, HAST for surface mount pkgs only		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
QV DEVICE NAME: SZESD7205WTT1G RMS: L97202, L100724, L100932 PACKAGE: SC70				
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, TC, uHAST, HAST for surface mount pkgs only		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
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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.

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
SESD7L5.0DT5G	#NONE	ESD9M5.0ST5G, SZESD7205DT5G
SZESDR0502BT1G	#NONE	ESD9M5.0ST5G, SZESD7205WTT1G