



# Final Product/Process Change Notification

Document #:FPCN23751X1

Issue Date:03 Mar 2022

<b>Title of Change:</b>	Fabrication Site Transfer from BE2 (Belgium 6") to Fab10 (Pocatello, Id 8") [Batch 1]	
<b>Proposed First Ship date:</b>	10 Jun 2022 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:NoorArdila.Shaharuddin@onsemi.com">NoorArdila.Shaharuddin@onsemi.com</a>	
<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 or <a href="mailto:Nicky.Siu@onsemi.com">Nicky.Siu@onsemi.com</a>	
<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>	Affected parts with this change will be identified by the date code	
<b>Change Category:</b>	Wafer Fab Change	
<b>Change Sub-Category(s):</b>	Manufacturing Process Change, Manufacturing Site Transfer	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
onsemi Pocatello Idaho, United States	None	
<b>Description and Purpose:</b>		
The final notification is to inform customers of the wafer fab site transfer from Fab2 (BE2) Oudenarrde, Belgium to Fab 10 (USU) Pocatello, USA.		
	<b>Before Change Description</b>	<b>After Change Description</b>
Other Changes	Wafer manufacturing in Fab2 BE2	Wafer manufacturing in Fab10 USU
Affected parts with this change will be identified by date code.		



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## Reliability Data Summary:

QV DEVICE NAME : SESD7L5.0DT5G

RMS : L77110, S79870

PACKAGE : SOT-723

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 150°C, 100% max rated V	2016 hrs	0/231
HTSL	JESD22-A103	Ta = 150°C	2016 hrs	0/231
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020, JESD22-A113	MSL 1 @ 260°C	-	-
RSH	JESD22-B106	Ta = 265°C, 10 sec	-	0/30

QV DEVICE NAME : SESD9L5.0ST5G

RMS : L76922

PACKAGE : SOD923

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 150°C, 100% max rated V	2016 hrs	0/231
HTSL	JESD22-A103	Ta = 150°C	2016 hrs	0/231
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020, JESD22-A113	MSL 1 @ 260°C	-	-
RSH	JESD22-B106	Ta = 265°C, 10 sec	-	0/30

QV DEVICE NAME : SZCM1213A-04SO

RMS : L76697

PACKAGE : SC-74

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 150°C, 100% max rated V	2016 hrs	0/231
HTSL	JESD22-A103	Ta = 150°C	2016 hrs	0/231
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020, JESD22-A113	MSL 1 @ 260°C	-	-
RSH	JESD22-B106	Ta = 265°C, 10 sec	-	0/30

QV DEVICE NAME : ESDR0502NMUTAG

RMS : S76742

PACKAGE : UDFN-6, 1.2x1.0mm

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 150°C, 100% max rated V	2016 hrs	0/231
HTSL	JESD22-A103	Ta = 150°C	1008 hrs	0/231
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020, JESD22-A113	MSL 1 @ 260°C	-	-
RSH	JESD22-B106	Ta = 265°C, 10 sec	-	0/30



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## 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
ESDR0502NMUTBG	ESDR0502NMUTAG
NUP3115UPMUTAG	ESDR0502NMUTAG
CM1213A-04SO	SZCM1213A-04SO
CM1293A-04SO	SZCM1213A-04SO
SCM1293A-04SO	SZCM1213A-04SO
ESDR0502NMUTAG	ESDR0502NMUTAG
ESD9R3.3ST5G	SESD9L5.0ST5G
ESD9P5.0ST5G	SESD9L5.0ST5G
ESD9M5.0ST5G	SESD9L5.0ST5G
ESD9L5.0ST5G	SESD9L5.0ST5G
ESD9L3.3ST5G	SESD9L5.0ST5G
ESDR0502BT1G	SESD7L5.0DT5G, SZCM1213A-04SO