



# Final Product/Process Change Notification

Document #:FPCN23751XB

Issue Date:04 May 2022

<b>Title of Change:</b>	Fabrication Site Transfer from Oudenaarde (Belgium 6") to onsemi Pocatello, Id (USA 8") [Batch 2]
<b>Proposed First Ship date:</b>	11 Aug 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 Site Transfer

**Sites Affected:**

**onsemi Sites**

onsemi Pocatello Idaho, United States

**External Foundry/Subcon Sites**

None

**Description and Purpose:**

This is the final notification of the wafer fabrication site transfer from Oudenaarde (Belgium 6") to onsemi Pocatello (USA 8").

The details of the changes are outlined in the tables below.

The transfer is due to the sale of the Oudenaarde facility.

Datasheet specifications and product electrical performance remain unchanged.

	<b>From</b>	<b>To</b>
Fab Site	Wafer manufacturing in Oudenaarde, Belgium	Wafer manufacturing in Pocatello, USA
Wafer size	Wafer diameter 6"	Wafer diameter 8"

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 : NUP4114UPXV6T1G

RMS # : L76695

PACKAGE : SOT563-3

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 150°C, 100% max rated V	1008 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	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 : SZMG2040MUTAG

RMS : S77111

PACKAGE : 5.5x1.5 UDFN-18

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

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

## Electrical Characteristics Summary:

Electrical characteristics are not impacted.



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### 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
MG2040MUTAG	SZMG2040MUTAG
ESDR0524SMUTAG	SZMG2040MUTAG
ESDR0524PMUTAG	SZMG2040MUTAG
ESD7M5.0DT5G	SESD7L5.0DT5G, NUP4114UPXV6T1G
ESD7L5.0DT5G	SESD7L5.0DT5G, NUP4114UPXV6T1G
ESD7104MUTAG	SZMG2040MUTAG, ESDR0502NMUTAG
ESD7016MUTAG	SZMG2040MUTAG
ESD7008MUTAG	SZMG2040MUTAG
ESD7004MUTAG	SZMG2040MUTAG, ESDR0502NMUTAG

**Appendix A: Changed Products**

**PCN#: FPCN23751XB**  
**Issue Date: May 04, 2022**

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MG2040MUTAG		SZMG2040MUTAG	NA	
ESDR0524PMUTAG		SZMG2040MUTAG	NA	
ESD7M5.0DT5G		SESD7L5.0DT5G, NUP4114UPXV6T1G	NA	
ESD7L5.0DT5G		SESD7L5.0DT5G, NUP4114UPXV6T1G	NA	
ESD7104MUTAG		SZMG2040MUTAG, ESDR0502NMUTAG	NA	
ESD7016MUTAG		SZMG2040MUTAG	NA	
ESD7008MUTAG		SZMG2040MUTAG	NA	
ESD7004MUTAG		SZMG2040MUTAG, ESDR0502NMUTAG	NA	
ESDR0524SMUTAG		SZMG2040MUTAG	NA	