



Final Product/Process Change Notification

Document #:FPCN23751XD

Issue Date: 05 May 2022

Title of Change:	Fabrication Site Transfer from Oudenaarde (Belgium 6") to onsemi Pocatello, Id (USA 8") with Added Passivation, and Cu Wire Change [Batch 2].	
Proposed First Ship date:	11 Aug 2022 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or NoorArdila.Shaharuddin@onsemi.com	
PCN Samples Contact:	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.	
Additional Reliability Data:	Contact your local onsemi Sales Office or Nicky.Siu@onsemi.com	
Type of Notification:	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 PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	Affected parts with this change will be identified by the date code	
Change Category:	Assembly Change, Wafer Fab Change	
Change Sub-Category(s):	Material Change, Manufacturing Process Change, Manufacturing Site Transfer	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
Leshan Phoenix Semiconductor, China	None	
onsemi Pocatello Idaho, United States		
onsemi Seremban, Malaysia		
Description and Purpose:		
This is the final notification of the wafer fabrication site transfer of the ESD dies from Oudenaarde (Belgium 6") to onsemi Pocatello (USA 8").		
The details of the changes are outlined in the tables below.		
The transfer of the ESD dies is due to the sale of the Oudenaarde facility, and the added passivation is per the standard flow in the receiving site.		
The Cu wire change is due to material standardization.		
Datasheet specifications and product electrical performance remain unchanged.		
	From	To
Fab Site	Wafer manufacturing in Oudenaarde, Belgium	Wafer manufacturing in onsemi Pocatello, USA
Wafer size	Wafer diameter 6"	Wafer diameter 8"
Passivation	Wafer without passivation	Wafer with passivation
Bond Wire	Au wire	Cu wire
Affected parts with this change will be identified by date code.		

Reliability Data Summary:

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 : SZCM1213A-0450

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 : SZNUP4114HMR6T1G

RMS : S76741

PACKAGE : TSOP-6

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

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
NUP4114UPXV6T1G	NUP4114UPXV6T1G
NUP4114UCW1T2G	SZCM1213A-04SO
NUP4114UCLW1T2G	SZCM1213A-04SO
NUP4114HMR6T1G	SZNUP4114HMR6T1G
NUP2114UCMR6T1G	SZNUP4114HMR6T1G

Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NUP4114UPXV6T1G		NUP4114UPXV6T1G	NA	
NUP4114UCLW1T2G		SZCM1213A-04SO	NA	
NUP4114HMR6T1G		SZNUP4114HMR6T1G	NA	
NUP2114UCMR6T1G		SZNUP4114HMR6T1G	NA	
NUP4114UCW1T2G		SZCM1213A-04SO	NA	