

Final Product/Process Change Notification Document #:FPCN21372XA

Issue Date:21 Oct 2021

Title of Change:	Wafer fab transfer to onsemi Fab10 Pocatello Idaho, United States from onsemi Fab2 Oudenaarde, Belgium related to Fab2 sale		
Proposed First Ship date:	28 Jan 2022 or earlier if approved by customer		
Contact Information:	Contact your local onsemi Sales Office or Kevin.VanHyfte@onsemi.com		
PCN Samples Contact:	Contact your local onsemi Sales Office or <pcn.samples@onsemi.com>. 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.</pcn.samples@onsemi.com>		
Additional Reliability Data:	Contact your local onsemi Sales Office or Jim.Workman@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:	Traceability guaranteed by datecode		
Change Category:	Wafer Fab Change		
Change Sub-Category(s):	Manufacturing Site Transfer		
Sites Affected:			
onsemi Sites		External Foundry/Subcon Sites	
onsemi Pocatello Idaho, United States		None	

Description and Purpose:

Wafer fab transfer to onsemi Fab10 Pocatello Idaho, United States from onsemi Fab2 Oudenaarde, Belgium related to Fab2 sale. Subject to a commercial agreement, onsemi may extend the deliveries outside the First Ship Date which is the proposed date of implementation. There are no product material changes as a result of this change.

There is no product marking change as a result of this change.

Subject	From	То
Wafer fab location	Fab2, Oudenaarde, Belgium (Current Fab)	Fab10, Pocatello, Idaho, USA (New Fab)
Wafer Diameter	(2.2.2)	

TEM001793 Rev. E Page 1 of 2



Final Product/Process Change Notification

Document #:FPCN21372XA Issue Date:21 Oct 2021

Reliability Data Summary:

QV DEVICE NAME NCP1090DRG PACKAGE 8 SOIC150

Test	Specification	Condition	Interval	Results
НВМ	JESD22-A114	0k5V, 1kV, 1k5V,2kV, 2k5V, 3kV	2kV	0/18
MM	JESD22-A115	50V, 100V, 150V, 200V	200V	0/12
CDM	JESD22-C101	250V, 500V, 750V	500V	0/9
LU	JESD78	+/- 100 mA, O.V. 57V, Ta = 85°C	100mA	0/6

QV DEVICE NAME 20241 **PACKAGE** 52 QFN

Test	Specification	Condition	Interval	Results
ELFR	AEC-Q100-008	Ta = 125C for 48 hrs	48h	0/415
HTOL	JESD22-A108	Ta = 125C for 1008 hrs	1008h	0/240

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	
NCP1092DBRG	NCP1090DRG	
NCP1091DBRG	NCP1090DRG	
NCP1090DBRG	NCP1090DRG	

TEM001793 Rev. E Page 2 of 2



Appendix A: Changed Products

PCN#: FPCN21372XA

Issue Date: Oct 21, 2021

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCP1090DBRG	0HINT-004-XTP	NCP1090DRG	NA	