



# Final Product/Process Change Notification

Document #:FPCN25257X

Issue Date:14 Feb 2023

<b>Title of Change:</b>	Qualification of new assembly site (ATX-KS) for TSSOP-8lds 4.4mm body size due to package EOL in AMKOR
<b>Proposed First Ship date:</b>	22 May 2023 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Kevin.VanHyfte@onsemi.com">Kevin.VanHyfte@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:Rhica.Loredo@onsemi.com">Rhica.Loredo@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>	Change will be identifiable by lot# that will be processed on the new qualified assembly site.
<b>Change Category:</b>	Assembly Change
<b>Change Sub-Category(s):</b>	Manufacturing Site Transfer

**Sites Affected:**

**onsemi Sites**

None

**External Foundry/Subcon Sites**

ATX Kun Shan, China

**Description and Purpose:**

Qualification of new assembly site ATX -KS for TSSOP-8Lds 4.4mm body size due to package type End-Of-Life in AMKOR.

	Before Change Description	After Change Description
Package Assembly Site	AMKOR Philippines	ATX – Semiconductor (Kunshan), China
Leadframe	TSSOP 8L 2.5X2.2 C7025	TSSOP 8L 3.2X2.21 C7025
Die Attach Epoxy	ABLESTIK 8290	EN4900GC
Mold Compound	G700K	G700L

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



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## Reliability Data Summary:

QV DEVICE NAME: NCP1090DBRG

RMS: O86104 / O87268

PACKAGE: TSSOP-8Lds

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/240
PC	J-STD-020A, JESD22-A113	MSL 2@260	-	-
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PD	JESD22-B1008 / JESD22-B1002	POD, Case outline	-	0/30
SD	JSTD002	Ta = 245°C, 5 sec	-	0/45

## 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
NCP1090DBRG	NCP1090DBRG
NCP1092DBRG	NCP1090DBRG
NCP1091DBRG	NCP1090DBRG