



## Initial Product/Process Change Notification

Document #: IPCN23423X

Issue Date: 22 Jul 2020

<b>Title of Change:</b>	Qualify UTAC, Thailand as additional Assembly and Test site for NCP303150 & NCP303151 devices.
<b>Proposed First Ship date:</b>	22 Jan 2021 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:Cl.Fong@onsemi.com">Cl.Fong@onsemi.com</a>
<b>PCN Samples Contact:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:PCN.samples@onsemi.com">PCN.samples@onsemi.com</a> 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>Type of Notification:</b>	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>
<b>Marking of Parts/ Traceability of Change:</b>	The Marking will have site information for traceability
<b>Change Category:</b>	Assembly Change, Test Change
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition

**Sites Affected:****ON Semiconductor Sites**

None

**External Foundry/Subcon Sites**

UTAC, Thailand

**Description and Purpose:**

This Initial Notification announces to customers that to increase capacity, UTAC Thailand is being qualified as additional Assembly and Test sites of all NCP303150 & NCP303151 (Gladiator parts) that is currently being assembled and tested at ON Semiconductor Cebu and ASEM.

Upon expiration of the PCN the parts will be manufactured in all 3 sites.

	Before Change Description	After Change Description
<b>Assembly Site</b>	ON Semiconductor Cebu and ASEM	ON Semiconductor Cebu, ASEM & UTAC

There are no product material changes as a result of this change.

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

The parts can be identified the data code used, which has location information encoded.

**Qualification Plan:**

QV DEVICE NAME: FDMF3009

RMS : 62702 / 62703

PACKAGE : PQFN 5x6

Test	Specification	Condition	Interval
HTOL	JESD22-A108	Ta=125C, biased	1008 hours
HTSL	JESD22-A103	Ta= 150°C	1008 hours
HAST + PC	JESD22-A110	130°C, 85% RH, 18.8psig, biased	192 hours
TC + PC	JESD22-A104	Ta= -65°C to +150°C	1000 cycs
uHAST + PC	JESD22-A118	130°C, 85% RH, 18.8psig, no biased	96 hours
PC	J-STD-020 JESD-A113	MSL_1_ @ 260 °C	
RSH	JESD22- B106	Ta = 260C, 10 sec	

QV DEVICE NAME: NCP303160MNTWG

RMS : 65312

PACKAGE : PQFN 5x6

Test	Specification	Condition	Interval
HTOL	JESD22-A108	Ta=125C, biased	1008 hours
HTSL	JESD22-A103	Ta= 150°C	1008 hours
HAST + PC	JESD22-A110	130°C, 85% RH, 18.8psig, biased	192 hours
TC + PC	JESD22-A104	Ta= -65°C to +150°C	1000 cycs
uHAST + PC	JESD22-A118	130°C, 85% RH, 18.8psig, no biased	96 hours
PC	J-STD-020 JESD-A113	MSL_1_ @ 260 °C	

**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
NCP303150MNTWG	FDMF3009, NCP303160MNTWG
NCP303151MNTWG	FDMF3009, NCP303160MNTWG