Initial Product/Process Change Notification

Document #:IPCN24655ZA
Issue Date: 19 Apr 2022

Title of Change:	Additional Assembly Site - Dual Source at UTAC 3, Thailand Site.
Proposed Changed Material First Ship Date:	27 Jan 2023 or earlier if approved by customer
Current Material Last Order Date:	N/A *Orders received after the Current Material Last Order Date expiration are to be considered as orders for new changed material as described in this PCN. Orders for current (unchanged) material after this date will be per mutual agreement and current material inventory availability*.
Current Material Last Delivery Date:	N/A *The Current Material Last Delivery Date may be subject to change based on build and depletion of the current (unchanged) material inventory*
Product Category:	Active components – Integrated circuits
Contact information:	Contact your local onsemi Sales Office or Henri-Xavier.Delecourt@onsemi.com
PCN Samples Contact:	Contact your local onsemi Sales Office to place sample order. Sample requests are to be submitted no later than 45 days after publication of this change notification. 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 Shiela.Crosby@onsemi.com
Type of Notification:	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 6 months prior to implementation of the change. In case of questions, contact <PCN.Support@onsemi.com>.

Change Category

Category	**Type of Change**
Process - Assembly	Move of all or part of assembly to a different location/site/subcontractor.

Description and Purpose:

There is no BOM changes other than adding UTAC 3 Thailand Site as additional site to assembly.

	From	**To**
Assembly Site	UTAC 1 Thailand Site	UTAC 1 Thailand Site and UTAC 3 Thailand Site

Reason / Motivation for Change:	Source/Supply/Capacity Changes
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by onsemi in relation to the PCN, associated risks are verified and excluded. No anticipated impacts.

Initial Product/Process Change Notification

Document #:IPCN24655ZA
Issue Date: 19 Apr 2022

Sites Affected:	
onsemi Sites	**External Foundry/Subcon Sites**
None	UTAC, Thailand

Marking of Parts/ Traceability of Change:	NA

Reliability Data Summary:

QV DEVICE NAME: NCV97310MW33AR2G
RMS: 82855
PACKAGE: QFNW

Test	Specification	Condition	Interval
HTSL	JESD22-A103	Ta= 175°C	504 hrs, 1008 hrs
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc, 1000 cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PTC	JESD22 A105	Ta = -40°C to+125°C	1000 cyc
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	
SD	JSTD002	Ta = 245C, 5 sec	
PD	JESD22 B100,B108	Critical Cpk>1.67	

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.***

Current Part Number	New Part Number	Qualification Vehicle
NCV97310MW33AR2G	NA	NCV97310MW33AR2G
NCV97311MW50AR2G	NA	NCV97310MW33AR2G
NCV97400MW00R2G	NA	NCV97310MW33AR2G
NCV97200MW33R2G	NA	NCV97310MW33AR2G
NCV97200MW01R2G	NA	NCV97310MW33AR2G
NCV891930MW00AR2G	NA	NCV97310MW33AR2G
NCV891930MW01AR2G	NA	NCV97310MW33AR2G
NCV881930MW00AR2G	NA	NCV97310MW33AR2G