



Final Product/Process Change Notification

Document #:FPCN25026X

Issue Date:14 Dec 2022

Title of Change:	NCP81599MNTXG Assembly Capacity Expansion in UTL3 (TH6)	
Proposed First Ship date:	30 Apr 2023 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Wayne.Cheng@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 Rhica.Loredo@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:	The affected products will be identified with date code	
Change Category:	Assembly Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	UTAC, Thailand	
Description and Purpose:		
Add new Assembly site in UTL3.		
	Before Change Description	After Change Description
Assembly Site	UTL1 (TH3), UTAC Thailand	(1) UTL1 (TH3), UTAC Thailand (2) UTL3 (TH6), UTAC Thailand
There is no product marking change as a result of this change		



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Reliability Data Summary:

QV DEVICE NAME: NCP81599MNTXG

RMS: 86670

PACKAGE: QFN 5x5 32L

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/80
PC	J STD 020, JESD22-A113	IR reflow at 260C		PASS
TC+PC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/80
uHAST+PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/80
SAT	12MSB17722C	Compare for Delamination before and after PC	Pre-MSL	0/25
			Post-MSL	0/25

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
NCP81599MNTXG	NCP81599MNTXG