



Final Product/Process Change Notification

Document #:FPCN22777XA

Issue Date:03 May 2021

Title of Change:	Qualification of a second source of assembly for parts NCP4549x at UTAC Thailand #3.	
Proposed First Ship date:	10 Aug 2021 or earlier if approved by customer	
Contact Information:	Contact your local ON Semiconductor Sales Office or Peter.Vo@onsemi.com	
PCN Samples Contact:	Contact your local ON Semiconductor 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.	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Phine.Guevarra@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. ON Semiconductor 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:	Affected parts will be identified by the traceability code.	
Change Category:	Assembly Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
ON Semiconductor Sites	External Foundry/Subcon Sites	
None	UTAC, Thailand	
Description and Purpose:		
<p>This split notification is to add newly released product, NCP45495XMNTWG. This is the final change notification for the qualification of UTAC Thailand Plant 3 located in Bangkok, Thailand as second source of assembly for device NCP4549x. Upon implementation of the change, the assembly for the affected parts can be manufactured at either UTAC Thailand Plant 1 and at UTAC Thailand Plant 3 allowing for more manufacturing flexibility and capacity to support demands.</p> <p>There are no product material changes as a result of this change.</p> <p>There is no product marking change as a result of this change.</p>		

**Reliability Data Summary:**QV DEVICE NAME: NCP45491XMNTWG

RMS: O59596

PACKAGE: 32L QFN

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc x 1.2	2016 hrs	0/240
ELFR	JESD22-A108	Ta=125°C, 100 % max rated Vcc x 1.2	48 hrs	0/959
HTSL	JESD22-A103	Ta=150°C	2304 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1, 3 IR @ 260°C		Pass
PC-TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/222
HAST-PC	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/244
UHAST-PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
RSH	JESD22- B106	Ta = 265C, 10 sec		0/30
SD	JESD22-B102 PreCon C	95% coverage		0/45
ED	Critical Parameters	Room, Hot, Cold		0/90
PD	JESD22-B102, JESD22-B108	Min Cpk 1.67		Pass

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
NCP45495XMNTWG	NCP45491XMNTWG