ON Semiconductor®



Title of Change:	Qualify UTAC, Thailand as additional Assembly and Test site for NCP303150 & NCP303151 devices.			
Proposed First Ship date:	05 Nov 2021 or earlier if approved by customer			
Contact Information:	Contact your local ON Semiconductor Sales Office or Ruel.Soriano@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.</pcn.samples@onsemi.com>			
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Tara.McDonald@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:	The Marking will have site information for traceability			
Change Category:	Assembly Change, Test Change			
Change Sub-Category(s):	Manufacturing Site Addition			
Sites Affected:				
ON Semiconductor Sites		External Foundry/Subcon Sites		
None		UTAC, Thailand		
Description and Purpose: The purpose of this change is to expand Assembly and Test capacity and support expected increased volume for NCP303150 and NCP303151. There is no change to the Material, Design, Package, Assembly, Test coverage/flow, or Datasheet.				

	From	То	
Product marking change	Cebu Assembly site marking traceability- D ASEM Assembly site marking traceability- A	Cebu Assembly site marking traceability- D ASEM Assembly site marking traceability- A UTL Assembly site marking traceability- G	



Reliability Data Summary:

QV DEVICE NAME NCP303160 RMS F65312 PACKAGE PQFN 5x6

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 125°C, 100 % max rated Vcc	1008 hrs	0/320
HTSL	JESD22-A103	Ta= 150°C	2016 hrs	0/190
TC	JESD22-A104	Ta= -65°C to +150°C	1000 сус	0/190
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/180
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/180
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		
RSH	JESD22- B106	Ta = 265C, 10 sec		0/120

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	
NCP303151MNTWG	NCP303160MNTWG	
NCP303150MNTWG	NCP303160MNTWG	