



Final Product/Process Change Notification

Document #:FPCN24704X

Issue Date: 30 Jun 2022

Title of Change:	UTAC Thai Limited Assembly site expansion.									
Proposed First Ship date:	31 Oct 2022 or earlier if approved by customer									
Contact Information:	Contact your local onsemi Sales Office or Naruedol.Srisamran@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 Shiela.Crosby@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:	No change on marking. Traceability will be maintained by manufacturing lot number									
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 UTAC Thailand Bangsamak site as alternative assembly site by apply same machine model and same material.										
<table border="1"><thead><tr><th></th><th>Before Change Description</th><th>After Change Description</th></tr></thead><tbody><tr><td>Assembly Site</td><td>UTAC Thailand Bangkok site</td><td>UTAC Thailand Bangkok site (site1) and UTAC Thailand Bangsamak site (Site3)</td></tr></tbody></table>						Before Change Description	After Change Description	Assembly Site	UTAC Thailand Bangkok site	UTAC Thailand Bangkok site (site1) and UTAC Thailand Bangsamak site (Site3)
	Before Change Description	After Change Description								
Assembly Site	UTAC Thailand Bangkok site	UTAC Thailand Bangkok site (site1) and UTAC Thailand Bangsamak site (Site3)								
Reliability Data Summary:										
QV DEVICE NAME NCP3135MNTXG RMS 082851 PACKAGE QF										
Test	Specification	Condition	Interval	Results						
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/77						
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/77						
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/77						
HAST	JESD22-A110	110°C, 85% RH, 18.8psig, bias	528 hrs	0/77						
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77						
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only		0/231						
SD	JSTD002	Ta = 245C, 5 sec		0/15						
PD	JESD22 B100,B108			0/30						



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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
NCP81071CMNTXG	NCP3135MNTXG
NCP81253BMNTBG	NCP3135MNTXG
NCP81272TMNTXG	NCP3135MNTXG
NCP81278DMNTXG	NCP3135MNTXG
NCP81253MNTBG	NCP3135MNTXG
NCP81071BMNTXG	NCP3135MNTXG
NCP5269MNTWG	NCP3135MNTXG
NCP81151MNTBG	NCP3135MNTXG
NCP81071AMNTXG	NCP3135MNTXG
NCP5269BMNTWG	NCP3135MNTXG
NCP81151FHMNTBG	NCP3135MNTXG
NCP81278TMNTXG	NCP3135MNTXG
NCP3135MNTXG	NCP3135MNTXG
NCP81151FDMNTBG	NCP3135MNTXG
NCP81151BMNTBG	NCP3135MNTXG
SCP81151BMNTBG	NCP3135MNTXG