



Final Product/Process Change Notification

Document #:FPCN24845X

Issue Date:29 Sep 2022

Title of Change:	UTAC Thailand Assembly site expansion	
Proposed First Ship date:	05 Jan 2023 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:	Changed material can be identified by lot 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:		
onsemi would like to notify customer for add UTAC Thailand Bangsamak site as alternative assembly site by applying same machine model and same material other than wire type for the NB7NPQ1204EMMUTWG.		
Part	Before Change Description	After Change Description
NB7NPQ1204EMMUTWG	Assembly Site: UTAC Thailand Bangkok using Au wire	UTAC Thailand Bangkok site (site1) and UTAC Thailand Bangsamak site (site3) using AuPdCu wire
NB7NPQ1404E2MMUTWG	Assembly Site: UTAC Thailand Bangkok using AuPdCu wire	



Final Product/Process Change Notification

Document #:FPCN24845X

Issue Date:29 Sep 2022

Reliability Data Summary:

QV DEVICE NAME: NB7NPQ1204EMMUTWG

RMS: O81622

PACKAGE: UQFN

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/77
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC, uHAST, HAST for surface mount pkgs only		0/231
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/77
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/77
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
SD	JSTD002	Ta = 245°C, 5 sec		0/15
PD	JESD22 B100, B108			0/30

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
NB7NPQ1404E2MMUTWG	NB7NPQ1204EMMUTWG
NB7NPQ1204EMMUTWG	NB7NPQ1204EMMUTWG