



Title of Change:	Qualification of UTAC Thailand for NCP81174MNTXG
Proposed first ship date:	24 March 2016 or earlier after customer approval
Contact information:	Contact your local ON Semiconductor Sales Office or <Julius.Javier@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office or <Julius.Javier@onsemi.com>
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Nicki.Siu@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>.
Change Part Identification:	Affected products will be identified with assembly site marking preceding the date code, G (WLYYWW), where "G" is the assembly site code for UTAC Thailand. WL = Wafer Lot. YY = Year of production, WW = Work Week.
Change category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____
Change Sub-Category(s):	<input checked="" type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____
Sites Affected:	<input type="checkbox"/> All site(s) <input type="checkbox"/> not applicable <input type="checkbox"/> ON Semiconductor site(s) : <input checked="" type="checkbox"/> External Foundry/Subcon site(s) UTAC Thai Limited
Description and Purpose:	<p>This is the Final Product Change Notification to inform that UTAC Thai Limited located in Thailand has been successfully qualified as an assembly source for ON Semiconductor's device, NCP81174MNTXG. There are no impacts to the package case outlines and electrical performances. This will allow for additional manufacturing capacity and flexibility.</p>



Reliability Data Summary:

Qual Vehicle Device Name: NCP81174MNTXG

Package: 5x5x0.9mm QFN-32, 0.5P

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	504 hrs	0/80
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		All
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96hrs	0/240
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/240
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of affected Standard Parts:

Part Number	Qualification Vehicle
NCP81174MNTXG	NCP81174MNTXG