



Title of Change:	Qualification of ON Semiconductor, Tarlac, Philippines as the extended assembly location for NCP81278TMNTXG and NCP81269MNTXG products.													
Proposed first ship date:	22 August 2019													
Contact information:	Contact your local ON Semiconductor Sales Office or <clarence.wong@onsemi.com>													
Samples:	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 <Andy.Esteva@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:	Parts can be identified through date code marking following ON Semiconductor standards. Contact your local ON Semiconductor Sales Office for the specific date code information.													
Change Category:	☐ Wafer Fab Change ☒ Assembly Change ☐ Test Change ☐ Other _____													
Change Sub-Category(s):	☒ Manufacturing Site Addition ☒ Material Change ☐ Datasheet/Product Doc change ☐ Manufacturing Site Transfer ☐ Product specific change ☐ Shipping/Packaging/Marking ☐ Manufacturing Process Change ☐ Other: _____													
Sites Affected:	ON Semiconductor Sites: ON Tarlac City, Philippines	External Foundry/Subcon Sites: None												
Description and Purpose: ON Semiconductor is expanding the subject products assembly capacity via addition of internal assembly site in the supply chain. There is no change to the datasheet specifications, or any other aspect of the product.														
<table border="1"> <thead> <tr> <th></th> <th>Before Change Description</th> <th>After Change Description</th> </tr> </thead> <tbody> <tr> <td>Addition of Product Assembly Site</td> <td>Products only from external assembly facility (UTL, Thailand)</td> <td>Products from both ON Internal Assy Site (ON Semiconductor, Tarlac, Philippines) and external assembly facility (UTL, Thailand).</td> </tr> <tr> <td>Lead Finish</td> <td>Matte Tin = Sn = e3</td> <td>UTL : Matte Tin = Sn = e3 OSPI Tarlac: PPF = NiPdAu = e4</td> </tr> <tr> <td>Marking (Assembly Site code)</td> <td>UTL = G</td> <td>UTL = G OSPI TARLAC = MP</td> </tr> </tbody> </table>				Before Change Description	After Change Description	Addition of Product Assembly Site	Products only from external assembly facility (UTL, Thailand)	Products from both ON Internal Assy Site (ON Semiconductor, Tarlac, Philippines) and external assembly facility (UTL, Thailand).	Lead Finish	Matte Tin = Sn = e3	UTL : Matte Tin = Sn = e3 OSPI Tarlac: PPF = NiPdAu = e4	Marking (Assembly Site code)	UTL = G	UTL = G OSPI TARLAC = MP
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There is no product marking change as a result of this change.														

**Reliability Data Summary:**

QV DEVICE NAME: NCP81278TMNTX6; NCP5269MNTWG

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/80
HTSL	JESD22-A103	Ta= 150C	1008 hrs	0/90
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/95
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/80
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/80
PC	J-STD-020 JESD-A113	MSL 3IR @ 250 °C		0/175
RSH	JESD22- B106	265°C Immersion		0/15
SD	JSTD002	Ta = 245°C		0/ 15

Electrical Characteristic 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
NCP81278TMNTXG	NCP81278TMNTX6 NCP5269MNTWG
NCP81269MNTXG	NCP81278TMNTX6 NCP5269MNTWG