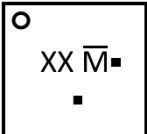
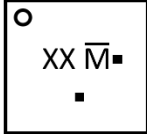
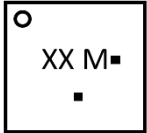




Title of Change:	ON Semiconductor SBN Malaysia Assembly site qualification of NCP81078/80 for capacity expansion.	
Proposed first ship date:	6 November 2019	
Contact information:	Contact your local ON Semiconductor Sales Office or <clarence.wong@onsemi.com>	
Samples:	Contact your local ON Semiconductor 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 ON Semiconductor Sales Office or MohdAzizi.Azman@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 by the site marking date code.	
Change Category:	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u>Assembly Manufacturing</u> <u>Site Addition</u>	
Change Sub-Category(s):	<input checked="" type="checkbox"/> Manufacturing Site Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Other: _____	
Sites Affected:	ON Semiconductor Sites: ON Seremban, Malaysia	External Foundry/Subcon Sites: None
Description and Purpose:		
Assembly qualification of NCP81078/80 in ON Semiconductor SBN Malaysia. The qualification includes the use of qualified assembly material used in products running in similar packages in SBN assembly site.		
	UTL assembly BOM	SBN Assembly BOM
LeadFrame	FR1056 (LF DFN8 2x2 .5P (Matte Sn))	N03949G003 (SELECTIVE Ag PLATED LEADFRAME DFN2020-8L WITH SURFACE TREATMENT)
Die Attach	PZ0035 (ABLETHERM 8600 CONDUCTIVE)	B04879C040 (DA AB 8008 CON 10CC)
Bond Wire	WZ0041 (BW AuPd-COATED Cu .8 mils)	N40363E011 (0.8 mil Tanaka CLK-1BK PCC Wire)
Mold Compound	CZ0289 (MC G700LTD)	N99978F002 (Sumitomo EME-G770HM Type D)
Assembly Site	UTL	SBN



Marking change is implemented to differentiate the package assembled in UTL vs SBN site. UTL will retain the single digit date code with bar on top while SBN assembled unit has no bar sign on the date code.

	From	To
Product marking change	<p><u>UTL assembly site marking</u></p>  <p>XX = Specified Device Code M̄ = Date Code ■ = Pb-Free Device (Note: Microdot may be in either location)</p>	<p><u>UTL assembly site marking</u></p>  <p>XX = Specified Device Code M̄ = Date Code ■ = Pb-Free Device (Note: Microdot may be in either location)</p> <p><u>SBN assembly site marking (new site)</u></p>  <p>XX = Specified Device Code M = Date Code ■ = Pb-Free Device (Note: Microdot may be in either location)</p>

Reliability Data Summary:

QV DEVICE NAME : NCP81078MNTBG
RMS : S54345,S54861
PACKAGE : DFN8 2X2X0.9MM PBFR

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

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
NCP81078MNTBG	NCP81078MNTBG
NCP81080MNTBG	