



Title of Change:	Qualification of ON Semiconductor Philippines Inc. Tarlac Site for Assembly of TSSOP48 and TSSOP24 Packages.			
Proposed first ship date:	13 June 2018			
Contact information:	Contact your local ON Semiconductor Sales Office or <Ovidiu.tol@onsemi.com>.			
Samples:	Contact your local ON Semiconductor Sales Office			
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <phine.guevarra@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 date code.			
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 checked="" type="checkbox"/> Other: Transfer of Assembly Site			
Sites Affected:	ON Semiconductor Sites: ON Tarlac City, Philippines	External Foundry/Subcon Sites: None		
Description and Purpose:				
<p>This is a Final Process Change Notice informing ON Semiconductor customers that devices with TSSOP48 and TSSOP24 packages are now qualified for assembly at ON Semiconductor – Tarlac, Tarlac City, Philippines.</p> <p>The affected devices listed on this FPCN are currently assembled at ON Semiconductor – Carmona, Cavite, Philippines. The package outline and electrical performance of the parts from the new assembly site met the datasheet requirements.</p>				
Reliability Data Summary:				
<p>QV DEVICE NAME: MC74LCX16245DTG RMS : 39961 PACKAGE : TSSOP 48</p>				
Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 125°C, 100 % max rated Vcc	1008 hrs	0/231
ELFR	AEC-Q100-008	Ta= 125°C, 100 % max rated Vcc	48 hrs	0/2400
HTSL	JESD22-A103	Ta= 150°C	1000 hrs	0/231
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/693
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
SD	JSTD002	Ta = 245C, 10 sec		0/45
PD	JESD22 B100,B108			0/30



QV DEVICE NAME: MC74HC4067ADTG

RMS : O40931

PACKAGE : TSSOP 24

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 125°C, 100 % max rated Vcc	1008 hrs	0/231
ELFR	AEC-Q100-008	Ta= 125°C, 100 % max rated Vcc	48 hrs	0/2400
HTSL	JESD22-A103	Ta= 150°C	1000 hrs	0/231
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/693
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
SD	JSTD002	Ta = 245C, 10 sec		0/45
PD	JESD22 B100,B108			0/30

Electrical Characteristic Summary:

Electrical characteristics are not impacted.

List of Affected Standard Parts:

Part Number	Qualification Vehicle
NLA16T245DTR2G	MC74LCX16245DTG
NB3N51054DTG	MC74LCX16245DTG
NB3N51054DTR2G	MC74LCX16245DTG



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle
NB3N51054DTG		MC74LCX16245DTG
NB3N51054DTR2G		MC74LCX16245DTG