



Title of Change:	Qualification of ON Semiconductor Philippines Inc. Tarlac, Philippines facility as an additional Manufacturing Site for Assembly of TSSOP48 and TSSOP24 Packages.	
Proposed first ship date:	6 February 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 type="checkbox"/> Other: _____	
Sites Affected:	ON Semiconductor Sites: ON Tarlac City, Philippines	External Foundry/Subcon Sites:
Description and Purpose:		
This is a Final Process Change Notice informing ON Semiconductor customers that devices with TSSOP48 and TSSOP24 packages are now qualified for assembly at OSPI – Tarlac, Tarlac City, Philippines.		
The affected devices listed on this FPCN are currently assembled at OSPI – Carmona, Cavite, Philippines. The package outline and electrical performance of the parts from the new assembly site met the datasheet requirements.		

**Reliability Data Summary:**

QV DEVICE NAME: MC74LCX16245DTG

RMS : 39961

PACKAGE : TSSOP 48

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 : 040931

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

QV DEVICE NAME: NCT80DBR2G

RMS : 040594

PACKAGE : TSSOP 24

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1000 hrs	0/231
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C		0/462
RSH	JESD22- B106	Ta = 265C, 10 sec		0/30
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
M74LCX16240DTR2G	MC74LCX16245DTG
M74LCX16244DTR2G	
M74LCX16244DTR2H	
M74LCX16245DTR2G	
M74LCX16373DTR2G	
M74LCX16374DTR2G	
M74LCX16374DTR2H	
MC74LCX16244DTG	
MC74LCX16245DTG	
MC74LCX16373DTG	
MC74LCX16374DTG	
MC74LCX16374DTRG	
MC74LVX4245DTG	
MC74LVX4245DTR2G	
MC74LVXC3245DTG	
MC74LVXC3245DTRG	
PCA9535EDTR2G	
PCA9535ECDTR2G	
PCA9639EDTR2G	
PCA9655EDTR2G	
MC74HC4067ADTG	MC74HC4067ADTG
MC74HC4067ADTR2G	
NCT80DBR2G	NCT80DBR2G

Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle
M74LCX16240DTR2G		MC74LCX16245DTG
M74LCX16244DTR2G		MC74LCX16245DTG
M74LCX16245DTR2G		MC74LCX16245DTG
M74LCX16373DTR2G		MC74LCX16245DTG
M74LCX16374DTR2G		MC74LCX16245DTG
MC74HC4067ADTG		MC74HC4067ADTG
MC74HC4067ADTR2G		MC74HC4067ADTG
MC74LCX16244DTG		MC74LCX16245DTG
MC74LCX16245DTG		MC74LCX16245DTG
MC74LCX16373DTG		MC74LCX16245DTG
MC74LCX16374DTG		MC74LCX16245DTG
MC74LVX4245DTG		MC74LCX16245DTG
MC74LVX4245DTR2G		MC74LCX16245DTG
MC74LVXC3245DTG		MC74LCX16245DTG
MC74LVXC3245DTRG		MC74LCX16245DTG
NCT80DBR2G		NCT80DBR2G
PCA9535ECDTR2G		MC74LCX16245DTG
PCA9535EDTR2G		MC74LCX16245DTG
PCA9655EDTR2G		MC74LCX16245DTG