



<b>Title of Change:</b>	Addition of VANGUARD Taiwan as the second FAB source for FAN604 Series.							
<b>Proposed first ship date:</b>	3 July 2019 or earlier upon customer approval							
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or <Thomas.chen@onsemi.com>							
<b>Samples:</b>	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.							
<b>Additional Reliability Data:</b>	Contact your local ON Semiconductor Sales Office or <Marco.kang@onsemi.com>							
<b>Type of notification:</b>	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>							
<b>Change Part Identification:</b>	Affected products will be identified with date code.							
<b>Change Category:</b>	<input checked="" type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____							
<b>Change Sub-Category(s):</b>	<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: _____							
<b>Sites Affected:</b>	ON Semiconductor Sites: ON S. Portland, Maine	External Foundry/Subcon Sites: Vanguard						
<b>Description and Purpose:</b>	To add Vanguard Taiwan as the second FAB source for FAN604 Series.							
	<table border="1"> <thead> <tr> <th></th> <th>Before Change Description</th> <th>After Change Description</th> </tr> </thead> <tbody> <tr> <td>Wafer fab location</td> <td>South Portland Maine</td> <td>South Portland Maine / Vanguard Taiwan</td> </tr> </tbody> </table>			Before Change Description	After Change Description	Wafer fab location	South Portland Maine	South Portland Maine / Vanguard Taiwan
	Before Change Description	After Change Description						
Wafer fab location	South Portland Maine	South Portland Maine / Vanguard Taiwan						
	There is no product marking change as a result of this change							



**Reliability Data Summary:**

Device:FAN604GMX

Package:SOIC-10

RMS No.:W49533

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/80
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/80
TC	JESD22-A104	Ta= -55°C to +150°C	500 cyc	0/80
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

**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
FAN604GMX	FAN604GMX
FAN604SMX	FAN604GMX
FAN604HMX	FAN604GMX
FAN604MX	FAN604GMX

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## Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle
FAN604GMX		FAN604GMX
FAN604MX		FAN604GMX