



Title of Change:	Subcontractor Foundry Vanguard, Taiwan as an additional external foundry source for FSA644BUCX	
Proposed first ship date:	24 January 2019 or earlier after customer approval	
Contact information:	Contact your local ON Semiconductor Sales Office or <Jeremy.Ferris@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.	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Rob.Travis@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:	Products will retain the same marking and the fab source lot number will be traceable by the two digit lot trace code on the package top mark.	
Change Category:	<input checked="" type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____	
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: None	External Foundry/Subcon Sites: Vanguard
Description and Purpose:		
Reason for Change: Improved supply chain flexibility		
	Before Change Description	After Change Description
Fab Location Change	ON Semiconductor South Portland, Maine	ON Semiconductor; South Portland, Maine Subcontractor Foundry Vanguard, Taiwan
There are no product material changes as a result of this change.		
There is no product marking change as a result of this change.		

**Reliability Data Summary:****QV DEVICE NAME:** FSA644BUCX**RMS:** Q20160660

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 125°C, 100 % max rated Vcc	1008 hrs	0/231
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
TC	JESD22-A104	Ta= -40°C to +125°C	850 cyc	0/231
HAST	JESD22-A110	110°C, 85% RH, 18.8psig, bias	96 hrs	0/231
uHAST	JESD22-A118	110°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
SD	JSTD002	Ta = 245C, 10 sec		0/11
PD	JESD22-B100	N/A		0/20

Electrical Characteristic Summary:

Electrical characteristics are not impacted

List of Affected Parts:

Part Number	Qualification Vehicle
FSA644BUCX	FSA644BUCX